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Guangdong Mingshi Plastic Technology CO.,LTD

Company Brochure

广东明氏 塑胶科技有限公司 **企业手册**



打造创新企业 塑造行业标杆 Building innovative enterprise Set up industry benchmarks

打造创新企业



塑造行业标杆

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打造创新企业 塑造行业标杆

BUILDING INNOVATIVE ENTERPRISE SET UP INDUSTRY BENCHMARKS

01 ABOUT MINGSHI PLASTIC 关于明氏



「「京明氏塑胶科技有限公司 Guangdong Mingshi Plastic Technology CO.,LTD

打造创新企业 塑造行业标杆

成立于 2004 年

HIPLASTIC 美|于|明|氏

是一家集研发、生产、销售压克力和PC产品为一体的科技型民营企业,是经认定的国家高新技术企业。被评为"AAAA"级信用单位。

COMPANY PROFILE

Founded in 2004, Guangdong Mingshi Plastic Technology Co.,Ltd. is a technology-based private enterprise integrating research and development (R&D), production and sales of acrylic and polycarbonate products. It is recognized as a national high-tech enterprise with credit rating as AAAAA.

● 明氏塑胶·秉匠心·铸伟业

志存高远求卓越,近二十载创伟业。近20年来,明氏塑胶秉持匠心,始终专注于生产压克力、PC挤出产品,并提供相应的二次加工综合解决方案和服务。产品广泛应用于家居照明、建筑外墙、航空照明、浴室照明、公共汽车和火车、自动扶梯和电梯、温室照明、广告照明、工业照明和办公照明等各商业领域。

Be ambitious and create great achievements. Over the past 20 years, Mingshi Plastic has focused on the production of acrylic and polycarbonate extrusion products in the spirit of craftsmanship, and provided corresponding comprehensive solutions and services for secondary processing products. Products are widely used in commercial fields, including home lighting, exterior walls, aviation lighting, bathroom lighting, buses and trains, escalators and elevators, greenhouse lighting, advertising lighting, industrial lighting and office lighting.

● 明氏塑胶·强品质·树标杆

明氏塑胶拥有优良的生产设备和完善的管理体系,本着以"质量求生存,信誉求发展"的宗旨,秉承"专业化、规模化、国际化"的发展方向稳步迈进,坚守质量至上原则,遵守规范标准,严格执行ISO9001: 2015国际质量体系,建立起了科学严谨生产制造体系和售后服务标准,致力于为顾客提供优质产品和服务。产品通过塑胶制品监督检验,极具市场竞争力,成为了振兴国内塑胶界的重要力量。

HIGH QUALITY PRODUCTS

With excellent production equipment and sound management system, and in the tenet of "quality for survival, reputation for development", Mingshi Plastic has made steady progress towards the direction of "specialization, scale expansion and internationalization".

Adhering to the principle of quality first, Mingshi Plastics abides by norms and standards, and strictly implements a QMS based on the ISO 9001:2015 regulation, and has established a scientific, rigorous manufacturing system and after-sales service system, thus providing customers with quality products and services.

Plastic products from Mingshi that are through quality supervision and inspection are highly competitive in the market, helping to make the company a powerful force to revitalize the domestic plastic industry.

● 明氏塑胶·聘英才·勇攀登

牢记工匠精神,砥砺奋进前行。明氏塑胶深谙"人才和创新是第一生产力",2010年即成立研发部门,聘请超20年行业经验的专业技术人员,协助开发新产品及引进新技术。时至今日,明氏塑胶已成为拥有近20个发明专利的行业标杆型企业。

Remain true to our original aspiration and forge ahead. Be well aware that "talents and innovation are the primary productive forces", Mingshi Plastic set up the R&D department in 2010, and hired professional technicians with over 20 years of industry experience to help develop new products and introduce new technologies. Up to now, it has become a benchmark enterprise in the plastic industry with nearly 20 patents.

⑥ 明氏塑胶·谋共赢·向未来

合作共赢,方能长远发展。帷幄时代大势,明氏塑胶与国外大品牌原材料厂商合作,进行技术融合、升级,共同研发改性材料,以满足市场的多样化需求。明氏塑胶已经在行业内建立起良好的品牌形象和顾客口碑,销售网络遍布全国,并远销东南亚、欧美等国家和地区,以实力和口碑载誉国内外,倍受客户青睐!

FUTURE COOPERATION

Win-win cooperation can achieve long-term development. In the trend of the times, Mingshi Plastic has been cooperating with raw material manufacturers of major foreign brands to carry out technology integration and upgrading, and to jointly research and develop modified materials for the diversified needs of the market.

And now, Mingshi Plastic has built a positive brand image and naturally established trust with customers, with sales network extending all over the country and products exported to many other countries and regions including Southeast Asia, Europe and America. Both the company and our products. enjoy bulk popularity and strong reputation at home and abroad!

明氏发展历程 ↓





2006_年

团队参加知名展会 扩展国内外业务。

The team participated in well-known exhibitions to expand domestic and international business.

2005_年

为满足生产需求扩大生产加工规模。

Expanded production and processing scale to meet production demand.

2004_年

明氏塑胶制品厂正式成立。

Mingshi Plastic Factory was officially established.

0

2007 _年

与知名企业达成 战略合作伙伴。

Strategic partnership with well-known companies.

2008_#

首次投入电商平台。

First investment in e-commerce platform.

2009_年

成立挤押车间 定位于定制化产品。

Established extrusion workshop and focuson customized products.

2010_#

聘请超 20 年行业经验的专业 技术人员加入研发团队。

Hired professional technicians with over 20 years of experience in the industry to join our R&D team.

2013_#

开发双色及多色挤押技术 成功开发出一系列的双色产品。

Developed two-color and multi-color extrusion technology and developed a series of two-color products successfully.

2012

成立比较完善的员工福利制度。

Establishment of a more complete employee welfare system.

2011_a

自主研发各种改性料配方 以满足不同客户需求。

Self-developed various modified material formulations to meet different customer demands.

未来 ...

开拓创新 砥砺前行

FUTURE Constantly innovative and strive forward. 2022_年

实施 ISO9001:2000 质量管理体系。

Implemented ISO9001:2000 quality management system.

2021_年

扩大生产规模增加先进的生产挤出线。

Expanded production scale, added advanced extrusion production lines.

2018_年

被评为 AAAAA 信用单位。

Mingshi has been awarded AAAAA credit unit.

2019_#

销售代表到国外市场实地考查并实施推广。

Sales representative to visit foreign markets and implementation of promotion. 2020_年

通过 SGS 验厂 并获得认证认书。

Gold Plus Supplier Assessment Certificate by SGS.

2017_年

荣获多项发明专利证书。

Awarded several invention patent certificates.

2016 [∉]

荣获国家级高新技术企业。

Awarded as a national high-tech enterprise.

2015_年

高管参加清华大学商 学院 EMBA 学习。

Executives attended EMBA Studying at Tsinghua University Business School.

2014

企业中高层管理 参加实践研修班精英拓展培训。

Corporate middle and senior management participated in the elite outreach training of the practice workshop.

我们的团队/OURTEAM

我们的团队具有卓越的合作精神,彼此忠诚、正直、勤奋、勇敢 和无私。这种态度深深影响到公司的每个员工,这也是明氏多年 来在行业内保持较强竞争力的真正原因。 Our team is a remarkable spirit of cooperation, loyalty, decency, hard work, boldness and unselfishness. This attitude has permeated through the rest of the workforce and is the true reason why Mingshi is poised to remain the industry excellent competitiveness in these years.





打造创新企业 塑造行业标杆

BUILDING INNOVATIVE ENTERPRISE SET UP INDUSTRY BENCHMARKS

02 R&D and QC 研发及品控



一、原材料介绍 / RAW MATERIALS

材料的使用对于在生产阶段获得高质量产品的持续生产具有重要意义。因此,明氏公司与著名原材料制造商合作,以获得具有稳定性的改性材料。我们现拥有50多种不同热塑性化合物挤出的丰富经验,并且一直在尝试新材料和改进材料,以便能够为客户提供更广泛的材料选择。

明氏提供透明、光扩散、彩色、条纹、棱镜和砂面等表面效果。

The materials used in the production have a great importance to obtain a constantly quality product during the production phase. For this reason, the company Mingshi cooperates with the most well-known raw materials producer companies in order to obtain modified material with stability. We have extensive experience in extruding more than 50 different thermoplastic compounds, we are always testing new or improved materials to be able to offer client a wider selection of material choices.

Mingshi offers surface effects like transparent, opal, colored, striped, prismatic and frosted, etc.



% 明氏提供的主要材料

PC特性

- 1、具有突出的抗冲击能力
- 2、耐蠕变和尺寸稳定性好
- 3、耐热、吸水率低

MINGSHI FOCUS ON PC AND PMMA MATERIAL PC KEY FEATURES

- 1. Excellent impact resistance
- 2. Good creep resistance and dimensional stability
- 3. Heat resistance, low water absorption



PMMA特性

- 1、透明性优, 耐候性好
- 2、硬度高,表面光泽优
- 3、耐水、盐、弱酸,但会受碱侵蚀
- 4、溶解于有机溶剂中成形性良好

PMMA KEY FEATURES

- 1. Excellent transparency and weather resistance
- 2. High hardness, excellent glossy surface
- $3.\,Good$ water, salt and weak acid resistance,
- but will be eroded by alkali
- 4. Good formability when dissolved in organic solvent

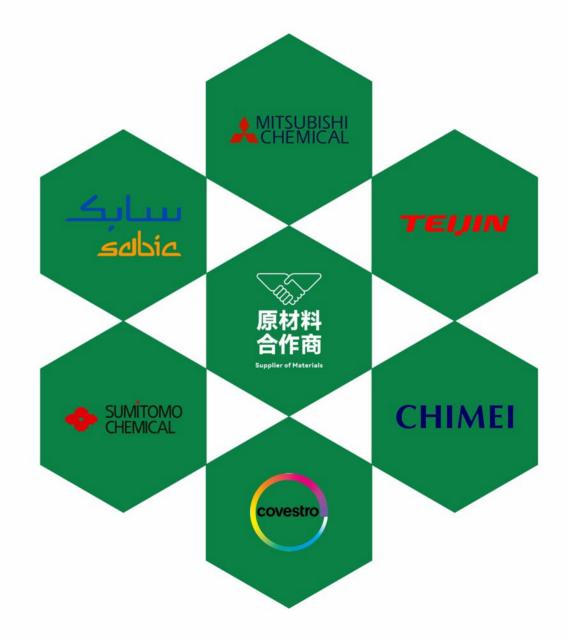


⑥ 原材料采购管控

- 1、在进行原材料采购时充分了解市场信息,在保障质量的同时考虑具有竞争力的价格,与供应商建立长期的业务关系。
- 2、对于所有的原材料供应合同,供应商应提供相关的质量证明、检测文件和数据、保证我方关于对供应商产品质量的可追溯。
- 3、对于与新供应商的首次合作,所提供的技术数据必须进行重新检验和测试,合格后方可使用。

MATERIAL PROCUREMENT CONTROL

- 1. All material procurement must fully know the market information, on the premise of ensuring quality, and take price into account, to establish a long term business relationship with the supplier.
- 2. For all the material supply contracts, the supplier shall provide relevant quality certificates and testing documents and data, and ensure the traceability of our supplier's product quality.
- 3. For the first cooperation with the new supplier, the provide technical data must be re-examined and tested, and it can be used when qualified.





二、研发部 / RESEARCH AND DEVELOPMENT DEPARTMENT

我们坚持以提高产品竞争力为重点的研发战略,依靠强大的科研团队,不断开发创新,不断提高企业的整体科技创新能力。我们的挤出产品具有卓越的品质,因为我们不断开发和使用先进的技术以确保质量和性能。

我们熟练的技术工程师可以在结构设计过程中提供帮助,并能够制造特殊的模具来完成复杂的挤出设计。

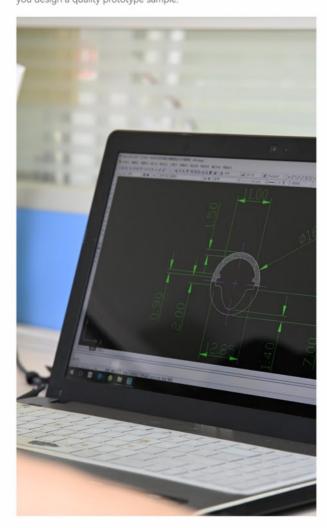
We adheres to the scientific research and development strategy focusing on improving product competitiveness, relies on a strong scientific research team, develops and innovates, and continuously improves the overall scientific and technological innovation ability of the enterprise. Our extrusion products are made of superior quality, as we keep developing and using advanced technologies to assure quality and performance.

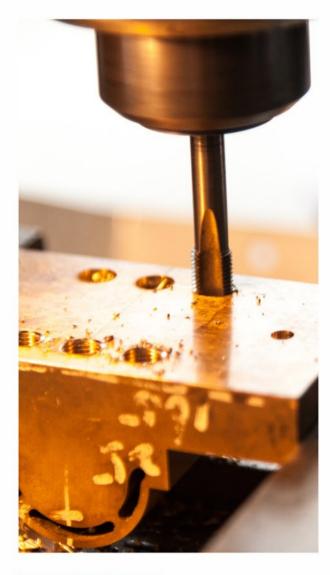
Our skillful technical engineers can offer assistance during the structure design and we can create special tooling for complicated and intricate extrusion designs.

我们的CAD设计师使用最先进的编程软件,可以修改现有的设计或可以帮助您创建一个原始的设计。我们的工程设计团队将核对您的设计,并就可能的材料选择、挤押工艺类型、模具和品质检查给您提供建议,以帮助您设计出高质量的原型样品。

ENGINEERING AND CAD DESIGN SUPPORT

Our CAD designers use state of the art 4-axis wire EDM programming software and can modify an existing design or can help you create an original design. Our engineering design team will review your design and give you advice regarding possible material choices, type of extrusion process, tooling, and inspection procedures in order to help you design a quality prototype sample.





◎ 塑胶挤押模具服务

除了一个良好的工程设计和选择理想的材料,一个高质量的塑胶 挤出项目需要精确的挤出模具。我们经验丰富的工程师为您的挤 押产品的定制模具进行设计和开发。这种模具允许我们为任何行 业制造高质量的定制塑胶挤押。

PLASTIC EXTRUSION TOOLING SERVICES

In addition to a well-engineered design and selection of the ideal material, a quality plastic extrusion project requires the correct extrusion tooling. Custom tooling for your extruded product is designed and developed by our experienced engineers. This tooling allows us to manufacture the top-quality custom plastic extrusion for any industry.

嗲 生产和严格的质量管控

生产部门保证对生产过程中的每一步都进行严格的质量监控,通过取样和测量的方法,采用高科技设备对产品进行检测。

电子显微镜: 检测产品的厚度及应用共挤的层分布。

光学测量仪: 测试产品的透光率和雾度。

氙气测量仪: 用于精确模拟风化的影响, 以确定机械和光学的变化。

PRODUCTION AND STRICT QUALITY CONTROLS

Production department warrant to make strict quality controls in every step of the production process, by the sampling and measurements method, the products are tested with high-tech equipment.

Electron Microscope: Test the product's thicknesses and the layer of co-extrusion.

Optical test equipment: Test the high transmittance haze.

 $\textbf{Xenon test equipment:} \ \textbf{Used to accurately simulate the effects of weathering, to determine} \\$

mechanical and optical changes.





三、质量控制 / QUALITY CONTROL

明氏有专业的质检部门对产品的每一个部分及每一个工序进行检查,避免出现任何不良产品。从原材料的检验,到生产中的第一次检验和巡检,再到最终成品的检验,我们承诺发出的每一件产品都经过检验且合格,为客户提供最优质的服务。

Mingshi has professional quality inspection department will inspect every part and every process of the product to avoid any defective products. From the inspection of raw materials, to the first inspection and patrol inspection in production, and to the inspection of the final product, we promise that every product shipped out will be inspected and qualified, provide customers with the best quality service.



外径公差

 Φ 6mm - Φ 149mm = ±1% Φ 150mm - Φ 300mm = ±1.5%

Tolerances for diameter

 Φ 6mm - Φ 149mm = ±1% Φ 150mm - Φ 300mm = ±1.5%

长度公差

L < 2000mm = ± 0.5 mm

L > 2000mm = ±1mm

L > 6000mm = ±2mm

在切割边缘处可能会出现0.1毫米的崩边

Tolerances for length

L < 2000mm = ±0.5mm

L > 2000mm = ±1mm

L > 6000mm = ±2mm

A small recess of 0.1mm may occur at the cut edges

厚度公差

Φ6mm - Φ99mm = ±5% Φ100mm - Φ300mm = ±10%

Tolerances for wall thickness

Φ6mm - Φ99mm = ±5% Φ100mm - Φ300mm = ±10%

直线公差

最大偏差1mm(1000mm的长度)

Tolerances for straightness

Maximum deviation: 1mm on 1000mm cord length

光学性质

挤出产品无法避免轻微的挤出拉纹和横向的震动纹以上公差参考温度为20℃

Optical properties

Extrusion marks and optical rings are unavoidable due to the extrusion process Above tolerances reference temperature at 20 $^{\circ}$ C

如果您有任何特殊的公差要求,请发邮件至 info@ms-acrylic.com,我们将尽力满足客户的要求。 Please email us at info@ms-acrylic.com if you have any special tolerance requirements, we will try our best to meet customer's requirements.

打造创新企业 塑造行业标杆

BUILDING INNOVATIVE ENTERPRISE SET UP INDUSTRY BENCHMARKS

D3 PRODUCTION SYSTEM 产品生产体系



我们的服务 / SERVICE PROCESS

◎ 从概念到设计

我们是您可靠、灵活、响应迅速的OEM/ODM合作伙伴,可提供 挤押PC和压克力产品制造服务及完整的产品解决方案。

我们丰富的经验和强大的研发团队将帮助您实现您想要的设计, 把您的想法变成现实, 为您提供各种您想要的创新产品。

FROM CONCEPT TO DESIGN

Your reliable, flexible, and responsive OEM/ODM partner. Providing extrusion Polycarbonate and Acrylic product manufacturing services that deliver complete product solutions.

Our broad experience and strong R&D team will help you realize design you want, turn your ideals into reality, and provide you with all kinds of innovative products you want.

☞ 模具制造

明氏拥有完善的模具车间,并由丰富模具知识和经验的技术工程 师来把控。使团队对精准的挤押项目需求做出迅速的反应。我们 对模具进行专业的定期的维护和维修。

IN-HOUSE TOOLING MANUFACTURING

Mingshi has a complete tool room manned by craftsmen with extensive die making knowledge and experience. This vast tooling skill set allows the team to respond quickly to the precise engineering needs of extrusion. The expert tool and die makers perform maintenance and repairs right at our facility.

☞ 测试

明氏拥有专业的实验室和品检团队,对每个产品进行测试以确保 所有产品能够通过测试标准,达到客户的要求。

TESTING

Mingshi have a professional laboratory and team that will test each product to ensure that each one can pass the testing standards and meet the needs of customers.

◎ 生产

明氏有多条挤出生产线,所以我们有足够的实力能在短时间内扩大生产量,满足客户的需求。

PRODUCTION

Mingshi has multiple extrusion production lines. We still got the enough space to expanding the production line and production capacity in a very short time to fulfill the customer demanding.







◎ 二次加工

明氏始终秉承"自己动手才是解决事情的最好方法"理念。 为满足客户更高需求,将提供专业的二次加工服务。

CNC雕刻、车床、钻孔和攻牙、铣削和打磨、粘接、烤弯和折弯、抛光、喷砂。

IN HOUSE SECONDARY PROCESSING

Mingshi's philosophy is that doing things yourself is the best way to solve something. In order to meet the higher requirements of customers, Mingshi will provide professional secondary processing services as below. CNC Engraving, Lathe, Drilling and Threading, Milling and Grinding, Gluing, Bending, Polishing, Sandblasting.

☞ 质量管控

明氏有专业的质检部门对产品的每一个部分及每一个工序进行检查,避免出现任何不良产品。从原材料的检验,到生产中的第一次检验和巡检,再到最终成品的检验,我们承诺发出的每一件产品都经过检验且合格,为客户提供最优质的服务。

QUALITY CONTROL

Mingshi has professional quality inspection department will inspect every part and every process of the product to avoid any defective products. From the inspection of raw materials, to the first inspection and patrol inspection in production, and to the inspection of the final product, we promise that every product shipped out will be inspected and qualified, provide customers with the best quality service.

☞ 售后服务

明氏拥有完善的售后服务体系和质量保证体系,我们坚持"用户至上"的服务原则。如对产品有任何疑问或问题请联系我们,我们会尽最大的努力为您解决。

我们的服务: 概念细化、设计模拟、快速建模、模具制造、透光率测试。如客户需要,也可提供产品认证、首件检验(FAI)、标签印刷和包装定制。

AFTER-SALE SERVICE

Mingshi has a complete after-sales service system and quality assurance system, we adheres to the service principle of "all for the user". If any questions or problems on products, just contact us, we will do our best to solve it for you.

Our services: Concept Refinement, Design Renderings, Modeling (3D, Rapid), Tooling Manufacturing, Light Transmittance Testing, Product Certifications if client's need, First Article Inspection (FAI), Label Printing and Custom Packaging.

打造创新企业 塑造行业标杆

BUILDING INNOVATIVE ENTERPRISE SET UP INDUSTRY BENCHMARKS

D4 PRODUCT DESCRIPTIONS 产品说明



一、精工产品 / PRECISE PRODUCTS

№ PC航空照明型材

明氏挤出航空照明PC型材具有防火、轻便和高抗冲的特性,由聚碳酸酯材料和符合标准的阻燃材料挤出而成,能够实现航空制造对于高安全系数配件的要求,并符合欧洲航空防火标准。客户可以定制PC型材的颜色、尺寸和形状。用于航空照明的PC型材不仅能满足照明的需求,达到舒适的照明效果,还具有较高的安全性。

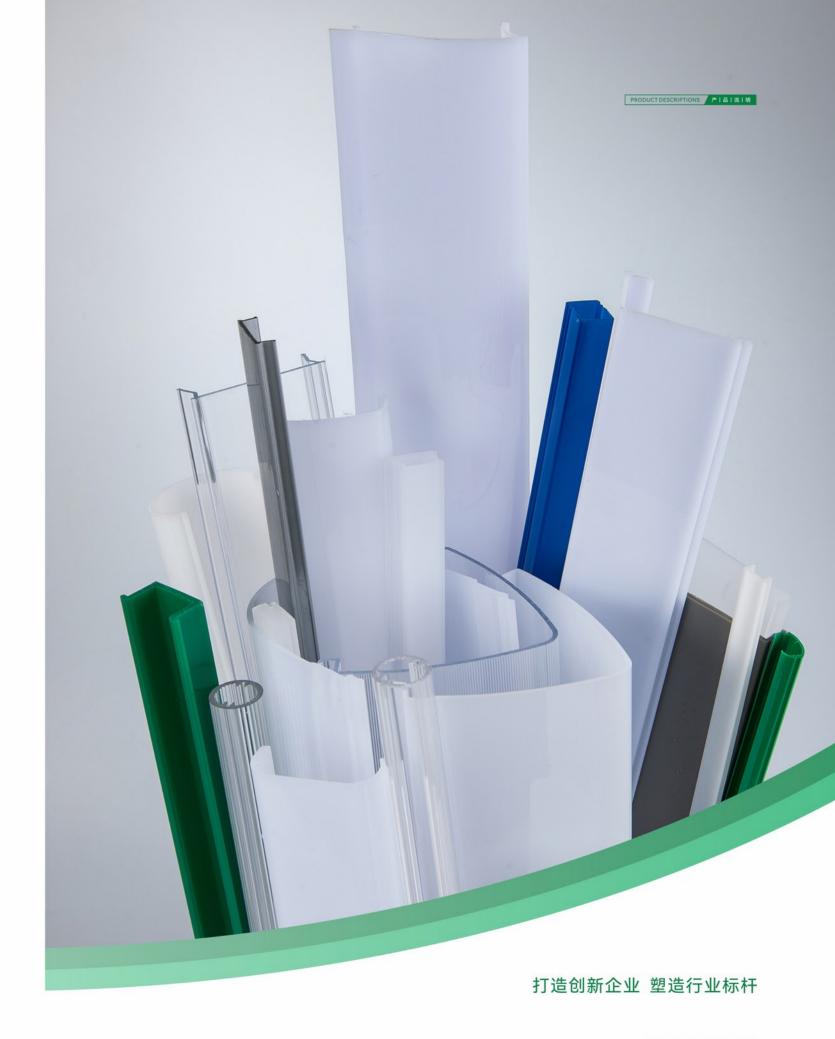
POLYCARBONATE PROFILES FOR AVIATION LIGHTING

Mingshi provides extruded polycarbonate profiles for aviation lighting, which made from polycarbonate materials and qualified flame retardant materials, and it has fireproof, lightweight and high impact resistance. Our polycarbonate profiles can meet the requirements of aviation manufacturing for high safety factor parts and comply with the European aviation fire protection standards. Customers can customize the color, size and shape of polycarbonate profiles. The polycarbonate profiles are used for aviation lighting can not only meet the requirements of lighting and achieve comfortable lighting effect, but also with high security.

THE ADVANTAGES OF AVIATION	ON LIGHTING POLYCARBONATE PROFILES
优异的阻燃性	◆ Excellent flame resistance
高抗冲	♦ High impact resistance
抗UV	♦ High UV resistance
防碎	◆ Shatterproof
良好的绝缘性	◆ Excellent insulation properties
良好的韧性	♦ High degree of elasticity
良好的热稳定性	◆ Excellent thermal stability
磨砂面或者光面	◆ Frosted or smooth surface
可定制形状	◆ Can be customized shapes
可实现双挤	◆ Can be co-extruded
可定制颜色	◆ Can be customized colors
可提供标准和定制尺寸	Can be standard and customized size







PRODUCT DESCRIPTIONS | 产|品|说|朝



温室照明PC型材的优势 THE ADVANTAGES OF GREENHOUSE LIGHTING POLYCARBONATE PROFILES		
◆ 防水	◆ Waterproof	
◆ 防尘	◆ Anti-dust penetration	
◆ 耐氨气腐蚀	◆ Resistance to ammonia corrosion	
◆ 防火	◆ Fire protection characteristics	
♦ 抗UV	◆ Good UV resistance	
◆ 磨砂面或光面	◆ Frosted or smooth surface	
◆ 良好的绝缘性	◆ Excellent insulation properties	
◆ 优异的耐高温性	◆ Excellent high temperature resistance	
◆ 可定制形状	◆ Can be customized shapes	
◆ 可定制颜色	◆ Can be customized colors	
◆ 可提供标准和定制尺寸	◆ Can be standard and customized sizes	

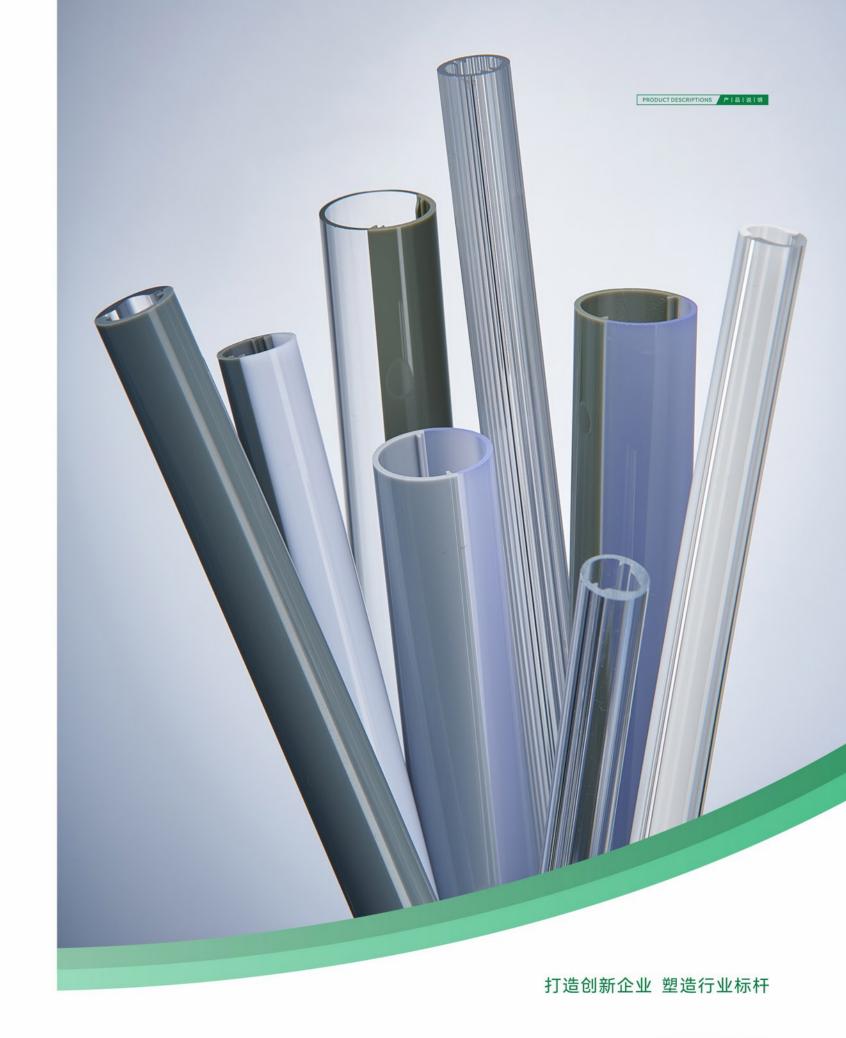
⑯ 温室照明PC型材

明氏可以根据客户对于温室照明的要求,挤出 具有防水、耐氨气腐蚀和防尘的PC型材。另 外,我们提供定制服务,让客户可以选择不同 尺寸和颜色。我们生产的PC型材用于温室照明 能够延长植物光照,让植物在各种气候下也可 继续进行光合作用,促进生长。随着温室照明 的广泛应用,我们也会不断尝试对PC型材进行 创新和改进,提供更优质产品。

POLYCARBONATE PROFILES FOR GREENHOUSE LIGHTING

Mingshi extrudes polycarbonate profiles with waterproof, ammonia corrosion resistance and anti-dust penetration according to customer requirements for greenhouse lighting. In addition, we provide custom service and then customers can choose the different sizes and colors. We manufacture polycarbonate profiles apply in plant lighting, it can prolong the plant light, so that plants in a variety of climates also continue to carry out photosynthesis, promote them growth. With the wide application of greenhouse lighting, we will continue to try to innovate and improve the polycarbonate profiles, to provide more quality products.





PRODUCT DESCRIPTIONS | 产|品|说|明



◎ 压克力和PC线性透镜

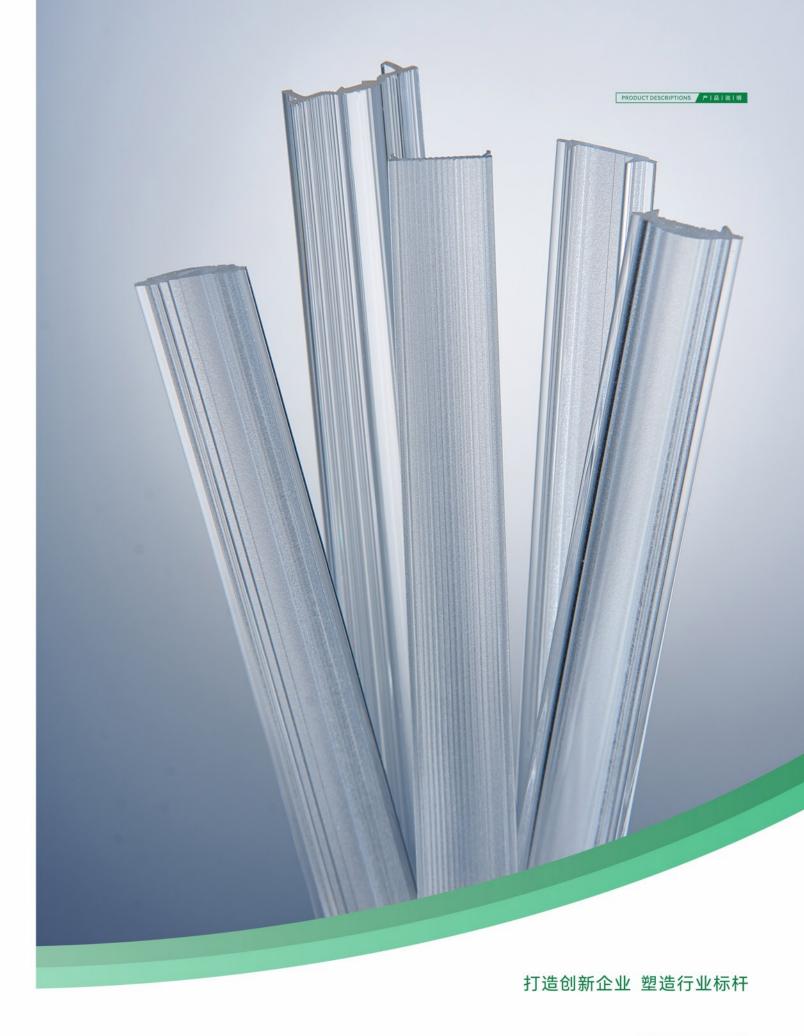
明氏挤出了不同角度的透镜来满足客户对于光照的特殊要求,我们现在生产了标准款20°、40°、60°及定制不同角度的压克力和PC线性透镜,来配合线性照明。我们经验丰富和强大的研发团队会将你的想法转变成产品。

ACRYLIC AND POLYCARBONATE LINEAR LENSES

Mingshi extrudes acrylic and polycarbonate lenses with different beam angles to meet customer's special requirements for lighting, we have standard beam angles: 20 degree, 40 degree, 60 degree and customized different beam angle acrylic and polycarbonate lenses, which meet fixed linear lighting. Our broad experience and strong R&D team will turn your ideas into products.

压克力和PC透镜的优势 THE ADVANTAGES OF ACRYLIC AND POLYCARBONATE LENSES		
优异的光学特性	Excellent optical properties	
标准光束角度和定制光束角度	Standard beam angles and custom beam angles	
磨砂面或光面	♦ Frosted or smooth surface	
抗UV	◆ Good UV resistance	
高抗冲	♦ High impact resistance	
· 阻燃性 (PC)	♦ Flame resistance (PC)	
漫射光照均匀	Uniform diffuse light distribution	
可定制不同的透光率	Can be customized different light transmittance	
可定制颜色	Can be customized colors	
可提供标准和定制尺寸	Can be standard and customized sizes	





PRODUCT DESCRIPTIONS 产 | 品 | 说 | 朝



PC卷料的优点 THE ADVANTAGES OF ROLLABLE POLYCARBONATE PROFILES Extend infinitely ◆ 无限延伸 • Can be rolled up for packaging and transportation ◆ 可方便包装和运输 ◆ 优异的透光率 ◆ Excellent light transmittance ◆ 高抗冲 High impact resistance ◆ 光面或磨砂面 ◆ Smooth surface or frosted surface ◆ 抗UV ◆ Good UV resistance ◆ 耐高温 High temperature resistance ◆ 良好的绝缘性 Excellent insulation properties ◆ 可标准和定制尺寸 ♦ Can be standard and customized sizes ◆ 可定制颜色 Can be customized colors

№ PC卷料

明氏PC卷料是采用弹性极好的PC材料挤出而成,长度不受限制,可以卷起来更便于包装和运输。可根据客户需求定制PC卷料的尺寸,光扩散和透光率。

ROLLABLE POLYCARBONATE PROFILES

Mingshi rollable polycarbonate profiles are extruded flexible polycarbonate materials, and the extruded length is not limited, so it can be rolled up for packaging and transportation. Customer can custom the sizes, light diffusion and light transmittance of rollable polycarbonate profiles according to their requirements.





PRODUCT DESCRIPTIONS 产 | 品 | 说 | 朝



定制异型压克力棒的优势 THE ADVANTAGES OF CUSTOMIZED IRREGULAR ACRYLIC RODS ◆ 优异的光学性能 Superior optical properties ◆ 高透光率 ♦ High light transmittance ◆ 高抗冲 High impact resistance ◆ 抗UV ◆ Good UV resistance ◆ 可实现双挤 ◆ Can achieve co-extrusion ◆ 可磨砂面或光面 ◆ Frosted or smooth surface ◆ 可二次加工 Secondary operation is available ◆ 可定制形状 Can be customized shapes ◆ 可定制颜色 Can be customized colors

⑥ 定制压克力异型棒

明氏提供定制压克力异型棒满足客户特殊的应 用需求,拓宽了客户的选择。客户可以根据自 己的实际需求来选择定制方案,可定制尺寸、 颜色和形状。我们采用高透明的原材料,严格 控制生产工艺,在保证材料纯度的同时,也提 升压克力棒的品质。我们的定制压克力异型棒 具有优异的光学性能和高透光率,同时其不规 则的外观也造就了其应用多元化。我们有足够 的经验和信心来实现您的定制项目。

CUSTOMIZED IRREGULAR ACRYLIC RODS

Mingshi provide customized irregular acrylic rods to meet customer special application requirements, which broaden customer choices. Customer can choose individual customized plan according to their actual needs, which can be customized in size, color and shape. We use high transparent raw materials, strictly controlled production process, to ensure the purity of the material, while also enhance acrylic rods quality. Our customized irregular acrylic rods have superior optical properties and high light transmittance, while their irregular appearance allows for a wide variety of applications. We have enough experience and confidence to realize your customized project.





⑥ 压克力双挤磨砂型材

明氏压克力双挤磨砂型材由压克力和磨砂材料共挤而成。压克力双挤磨砂型材具有优异的光学特性和均匀光扩散性能,同时可提高抗冲击性,适用于家居和户外照明。此外,压克力双挤磨砂型材拥有哑光的视觉效果,展现了产品的实用性和美学性。我们的双挤工艺很成熟,根据不同的材料,我们可以制造具有独特特性的产品,可定制颜色、尺寸和形状。我们会根据客户的设计图纸或者想法来共同开发双挤磨砂型材。

ACRYLIC CO-EXTRUDED FROSTED PROFILES

Mingshi acrylic co-extruded frosted profiles are co-extruded by acrylic and frosted raw material. Acrylic co-extruded frosted profiles have excellent optical properties and uniform light diffusion, at the same time they can increase the high impact resistance, widely used in home and outdoor lighting. In addition, acrylic co-extruded frosted profiles have matte effect, showing the practicality and aesthetics of the product. Our co-extrusion process is very mature, according to different materials, we can create profiles with unique properties, which can be customized color, size and shape. We will develop acrylic co-extruded frosted profiles together according to customer drawing or ideas.

压克力双挤磨砂型材的优势 THE ADVANTAGES OF ACRYLIC CO-EXTRUDED FROSTED PROFILES			
◆ 优异的光学性能	◆ Excellent optical properties		
◆ 高抗冲	◆ High impact resistance		
◆ 抗UV	◆ Good UV resistance		
◆ 均匀光扩散	◆ Can achieve uniform light diffusion		
◆ 可表面磨砂和全磨砂	◆ Frosted surface and full frosted are available		
◆ 可定制颜色	◆ Can be customized colors		
◆ 可定制形状	◆ Can be customized shapes		
◆ 可提供标准和定制尺寸	◆ Can be standard and customized sizes		







二、产品型材、管材、棒材 / PROFILES, TUBES AND RODS

→ 型材 / PRODUCTS - PROFILES

我们的工程师专注于您对产品的要求和运用,提供最理想的材料供您选择,并提供工程协助,以确保您的定制挤押型材符合您的精确标准。

我们的首要任务就是在整个流程中包括设计、打样、生产、交货、售后提供最佳的 服务。

Mingshi in-house design engineers immerse themselves in your application, select the perfect materials for your project, and provide engineering assistance to ensure your custom extruded profiles conform to your precise standards.

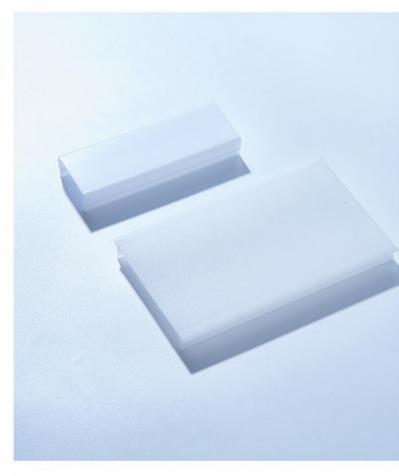
We make it our number one priority to provide best-in-class customer service throughout the entire extrusion process including design, make sample, arrange production, delivery the goods and after sale etc.



	PC型材特性 / PC PROFILES KEY FEATURES			
◆ 优异的光学性能		*	Excellent optical properties	
◆ 通过UV认证的材料	制成	*	Made from UV approved materials	
◆ 在广泛的温度范围	内具有高拉伸强度	*	High tensile strength over wide temperature range	
◆ 高抗冲 - 即使在低	温下也是如此	*	High impact strength - even at low temperatures	
◆ 优异的耐高温性		*	Excellent high temperature resistance	
◆阻燃		*	Flame-resistant	
◆ 良好的绝缘性		*	Excellent insulation properties	
◆ 提供透明、定制色	和砂面等	*	Available in transparent, custom colors, and frosted surface etc	
◆ 标准尺寸和定制尺	₹	*	Standard and custom sizes	
◆ 可加工、钻孔、切	割和超声波焊接	*	Can be machined, drilled, cutting and ultrasonic welding	

	压克力型材特性/ACRYLIC PROFILES KEY FEATURES				
•	优异的光学性能	◆ Excellent optical properties			
•	低密度,易于成型	◆ Lightweight and easily fabricated			
•	卓越的透明度,高透光率	♦ Superior clarity, high light transmittance			
•	标准或定制尺寸	◆ Can be standard or custom sizes			
•	提供透明、定制色和砂面等	Available in transparent, custom colors, and frosted surface etc			
•	可加工、钻孔、攻牙、切割、粘接、 抛光、烤弯、丝印、 喷砂等	 Can be machined, drilled, cutting, gluing, polishing, roasted bending forming, silk screen, sandblasting 			

PRODUCT DESCRIPTIONS 产品设计的



我们生产砂面与光扩散相结合的创新型材,磨砂的表面和完美的漫反射以及非凡的透光率是这种高品质产品的特征。

We manufacture innovative items like Satin and Optical Opal profiles. The satin surface and a perfect light diffusion together with an extraordinary light transmission are the characteristics of this high-quality product.

⑥ 砂面包括三种类型:

- 1、喷砂;
- 2、直接在挤出模具上成型的表面磨砂;
- 3、直接在挤出模具上成型的全磨砂,我们还可以调整产品上的磨砂混合(1%至100%),直 到达到您的定制要求。

THE SATIN SURFACE INCLUDING THREE TYPES:

- 1. Sandblasting.
- 2. Satin surface on one side by extrusion mold.
- 3. 100% Satin on the whole product by extrusion mold, and also we can adjust the satin blending on the product from (1% to 100%) up to custom requirement.





応 光扩散 / OPTICAL OPAL PROFILES

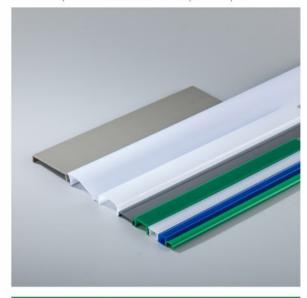
光扩散型材具有光亮的表面且可以达到非常柔和的视觉效果,具有极高性价比,我们可以根据客户的要求调整雾度和透光率,以满足客户的需求。

The opal profiles allow a very light diffusion, they have a brilliant surface and transmit light smoothly and warmly. This white version achieve an excellent quality/price performance. We can adjust the light transmittance and surface color base on customer requirement.



● 异型材 / SPECIAL SHAPED PROFILES

我们的定制型材可以挤押成特殊形状。 Our custom profiles can be extruded into special shapes.



这是共挤型材设计特点的一个很好的例子。我们可以将两种, 三种或四种不同颜色的型材以及您想要的任何颜色共挤出来。

It is a good example of co-extruded profiles design features. We can co-extrusion profiles in two, three or four different colors, and any color you would like.



WWW.MSPLASTIC.NCM WWW.MINGSHIPLASTIC.COM

PRODUCT DESCRIPTIONS 产品说明

→ 管材 / PRODUCTS - TUBES

作为制造商,明氏已具有挤出生产从小尺寸到大尺寸的高质量光学性能的聚甲基丙烯酸甲酯(PMMA)和聚碳酸酯(PC)管近20年的经验。同时明氏也可以满足客户个性化要求,如特殊的直径、长度、高抗冲击材料、定制颜色等。

As a manufacturer, Mingshi has been extruding acrylic (PMMA) and polycarbonate (PC) into optically high-quality tubes from small to large diameters almost 20 years. Mingshi is the specialist for individual customer requirements, such as special diameters, lengths, high impact resistant materials and colors etc.



PC管特性 / PC TUBES KEY FEATURES			
◆ 优异的光学性能	◆ Excellent optical properties		
◆ 通过UV认证的材料制成	◆ Made from UV approved materials		
◆ 在广泛的温度范围内具有高拉伸强度	♦ High tensile strength over wide temperature range		
◆ 高抗冲 - 即使在低温下也是如此	♦ High impact strength - even at low temperatures		
◆ 优异的耐高温性	Excellent high temperature resistance		
◆ 阻燃	♦ Flame-resistant		
◆ 良好的绝缘性	◆ Excellent insulation properties		
◆ 提供透明、定制色和砂面等	Available in transparent, custom colors, and frosted surface etc		
◆ 标准尺寸和定制尺寸	◆ Standard and custom sizes		
◆ 可加工、钻孔、切割和超声波焊接	◆ Can be machined, drilled, cutting and ultrasonic welding		

	压克力管特性 / ACRYLIC TUBES KEY FEATURES				
•	优异的光学性能	•	Excellent optical properties		
•	低密度,易于成型	•	Lightweight and easily fabricated		
•	卓越的透明度,高透光率	•	Superior clarity, high light transmittance		
•	标准或定制尺寸	*	Can be standard or custom sizes		
•	提供透明、定制色和砂面等	•	Available in transparent, custom colors, and frosted surface etc		
•	可加工、钻孔、攻牙、切割、粘接、 抛光、烤弯、丝印、 喷砂等	*	Can be machined, drilled, cutting, gluing, polishing, roasted bending forming, silk screen, sandblasting		

PRODUCT DESCRIPTIONS 产 I 品 I 说 I 明



応砂面/SATIN 我们生产砂面与光扩散相

我们生产砂面与光扩散相结合的创新管材,磨砂的表面和完美的漫反射以及非凡的透光率是这种高品质产品的特征。

We manufacture innovative items like Satin and Optical Opal tubes. The satin surface and a perfect light diffusion together with an extraordinary light transmission are the characteristics of this high-quality product.

⑥ 砂面包括三种类型:

- 1、喷砂;
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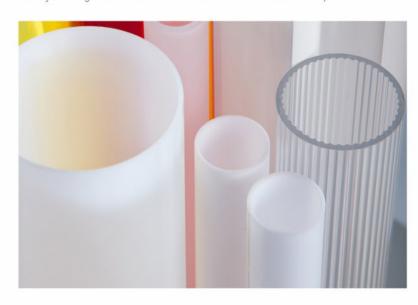




応 光扩散 / OPTICAL OPAL TUBES

光扩散管材具有光亮的表面且可以达到非常柔和的视觉效果,具有极高性价比,我 们可以根据客户的要求调整雾度和透光率,以满足客户的需求。

The opal tubes allow a very light diffusion, they have a brilliant surface and transmit light smoothly and warmly. This white version achieve an excellent quality/price performance. We can adjust the light transmittance and surface color base on customer requirement.



	光扩散管的优点 / THE ADVANTAGES OF OPTICAL OPAL TUBES			
+	出色的光学特性	◆ Excellent optical characteristics		
*	高抗冲	◆ Excellent impact resistance		
*	可定制颜色	◆ Can be customized colors		
*	抗UV	◆ Good UV stability		
*	磨砂面或光面	◆ Frosted or smooth surface		
*	可定制透光率	Can be customized light transmittance		

⑥ 压克力异型管 / ACRYLIC SPECIAL SHAPED TUBES

我们的定制管可以挤押成特殊形状。这包括如下特殊形状的管:

A、条纹管 / Streak tubes B、方管 / Square tubes C、六角管 / Hex tubes D、八角管 / Octagonal tubes E、梅花转管 / Flower twist tubes F、梅花直管 / Flower straight tubes



A、条纹管 Streak tubes

D、八角管 Octagonal tubes



B、方管 Square tubes

E、梅花转管 Flower twist tubes



C、六角管 Hex tubes



F、梅花直管 Flower straight tubes

⑥ 多色管 / THE MULTIPLE-COLORED TUBES

这是共挤管设计特点的一个很好的例子。 我们可以将两种、三种或四种不同颜色的 管子以及您想要的任何颜色共挤出来。

It is a good example of co-extruded tubes design features. We can co-extrusion tubes in two, three or four different colors, and any color you would like.





ROUND TUBE OUTSIDE DIAMETER - 圆管外径

Ф5mm	Ф25mm	Ф65mm	Ф125mm
Ф6mm	Ф26mm	Ф67тт	Ф130mm
Ф8mm	Ф28mm	Ф70mm	Ф132mm
Ф10mm	Ф30mm	Ф76.2mm	Ф140mm
Ф11mm	Ф31mm	Ф75mm	Ф150mm
Ф13тт	Ф35mm	Ф80mm	Ф160mm
Ф14mm	Ф38mm	Ф85mm	Ф180mm
Ф15mm	Ф40mm	Ф90mm	Ф190mm
Ф16mm	Ф45mm	Ф95mm	Ф200mm
Ф18mm	Ф50mm	Ф100mm	Ф210mm
Ф19mm	Ф55mm	Ф105mm	Ф240mm
Ф20mm	Ф60mm	Ф110mm	Ф250mm
Ф21mm	Ф63mm	Ф120mm	Ф300mm

→ 压克力棒材 / PRODUCTS - ACRYLIC RODS

明氏生产了各种各样的挤押棒,包括实心圆棒、气泡棒、线棒、方棒、异型棒。为了保证极高的透明度,我们采用了高透明原材料,严格控制生产工艺,确保材料的纯度,同时也大大提高了产品质量。通过完整的热处理工艺,我们减少应力和提高加工稳定性。目前,压克力棒材广泛用于照明、建筑材料,房屋装饰和广告等其他领域。

Mingshi produces a wide variety of extrusion rods. It includes solid rods, bubble rods, line rods, square rods, irregular rods. Through a complete heat treatment processes, we reduce stress and enhance processing stability, the product has good tensile strength. In order to ensure the high level of transparency, we used high light transmittance raw materials, strictly controlled production process, to ensure the purity of the material, while also greatly enhance the products quality. Currently, rods are increasingly used in the lighting, building materials, house decoration, advertising and other different functions.







转线棒 Twist line rods



汽泡棒 Bubble rods



异形棒 Special rods



方棒 Square rods



线棒 Line rods



三角棒 Triangle rods



实心圆棒 Acrylic rods



半圆棒 Half round rods



六角棒 Hexagonal rods



八角棒 Octagonal rods

ROUND ROD OUTSIDE DIAMETER - 圆棒直径

Ф2mm	Ф17mm	Ф32mm	Φ47mm	Ф75mm
Ф3mm	Ф18тт	Ф33тт	Ф48mm	Ф80mm
Ф4mm	Ф19mm	Ф34тт	Ф49mm	Ф85mm
Ф5mm	Ф20mm	Ф35mm	Ф50mm	Ф90mm
Ф6тт	Ф21mm	Ф36тт	Ф51mm	Ф100mm
Φ7mm	Ф22mm	Ф37тт	Ф53mm	Ф110mm
Ф8mm	Ф23mm	Ф38mm	Ф54mm	Ф120mm
Ф9mm	Ф24mm	Ф39mm	Ф55mm	Ф130mm
Ф10mm	Ф25mm	Ф40mm	Ф56mm	Ф150mm
Ф11mm	Ф26тт	Ф41mm	Ф57mm	Ф160mm
Ф12mm	Ф27mm	Ф42mm	Ф58mm	Ф180mm
Ф13mm	Ф28mm	Ф43mm	Ф59mm	Ф200mm
Ф14mm	Ф29mm	Ф44mm	Ф60mm	
Ф15mm	Ф30mm	Ф45mm	Ф65mm	
Ф16mm	Ф31mm	Ф46mm	Ф70mm	

♠ 我们能做的颜色 / THE COLOR WE CAN DO

- 1、透明 / Transparent
- 2、彩色 / Colored
- 3、两种,三种或者四种颜色的共挤 / Two, three or four colors in co-extrusion
- 4、砂面 / Satin surface









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三、产品二次加工工艺 / PRODUCT SECONDARY PROCESSING

明氏始终秉承"自己动手才是解决事情的最好方法"理念。

为满足客户更高需求,将提供专业的二次加工服务。

Mingshi's philosophy is that doing things yourself is the best way to solve something. In order to meet the higher requirements of customers, Mingshi will provide professional secondary processing services as below.

◆ CNC雕刻

◆ CNC Engraving

◆ 车床

◆ Lathe

◆ 钻孔和攻牙

 Drilling and Threading Milling and Grinding

◆ 铣洗和打磨

Gluing

◆ 烤弯和折弯

Bending

◆ 抛光

◆ 粘接

Polishing

◆ 喷砂

Sandblasting





☞ 抛光

抛光压克力组件对于工程师在考虑光学器件的 设计时,是一个非常普遍的选择。压克力以其 优异的透光性、透明度和无色性而闻名。压克 力抛光能在所有透明塑料中提供最好的清晰度 和透光性。在挤押和注塑形式下, 依据组件的 配置, 三种抛光技术中的任何一种都可以使 用: 布轮抛光, 火焰抛光和钻石抛光(直接机器 抛光)。

POLISHING

Polished acrylic components are a very popular option for engineers when considering the design of optical devices. Acrylic is known for its excellent light transmittance, clarity and lack of color. Acrylic polishing can give the best clarity and light transmittance of all the clear plastics. In both the extruded and injection form, depending on configuration of the component, any of the three polishing techniques may be used: buffing, flame polishing and diamond polishing (direct machine polishing).

[®] CNC雕刻

明氏可按照客户要求切割不同的形状。

CNC ENGRAVING

Mingshi can cut different shapes according to customer requirements.



◎ 粘合

通过使用溶剂将压克力部件粘合在一起,以满足客户对尺寸及形 状的要求。

GLUING

Using solvents to joining acrylic parts. We can meet customer's size and shape requirement.



◎ 钻孔和攻牙

钻孔和攻牙是一种加工技术,可以根据客户的设计要求在压克力 和PC部件中形成穿透性或半穿透性的孔和牙。

DRILLING AND THREADING

Drilling and Threading are a machining technique that allows to create a hole and thread in acrylic and PC part. Depending on your project and its design, the hole and thread can go all through the acrylic and PC material or not.



◎ 喷砂

喷砂是一种表面处理技术。可以将小颗粒的磨砂料喷到材料表 面,从而使产品有更好的光扩散效果。

SANDBLASTING

Sandblasting is a treatment technique, which is based on blasting of small particles of abrasive onto the material surface. The sandblasting makes the products with frosted surface and more better diffuser effect.



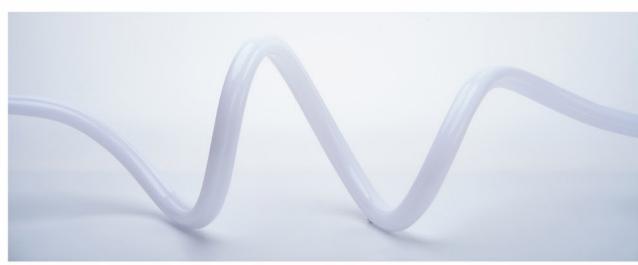
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⑯ 烤弯和折弯

热塑性弯曲是利用加热设备进行弯曲和成型, 当加热时, 压克力材料变热并具有延展性, 从而可以弯曲, 所需的弯曲 角度是通过模具完成的。

BENDING

Thermoplastic bending is done using heated machines for bending and angle forming. When heat is applied, the solid material warms up and becomes malleable, allowing to make a bend. The desired bend angle is obtained using a mold.









四、产品应用 / PRODUCTS APPLICATION

我们的产品应用范围广泛, 日常生活中随处可见。

我们提供标准和定制的产品,以满足各种不同的行业需求:

Our products are used in a broad array of applications, many of our products appear in everyday use.

We supply standard and custom products to meet a variety of different industries as below:

- ◆ 建筑外墙
- ◆ Architecture and building facades
- ◆ 航空照明
- ♦ Lighting for aviation
- ◆ 浴室照明
- ◆ Bathroom lighting
- ◆ 公共汽车和火车
- Buses and trains
- ◆ 自动扶梯和电梯
- Escalators and elevators
- ◆ 温室照明
- Greenhouse lightingIlluminated advertising
- ◆ 广告照明
- Industrial lighting
- ◆ 工业照明
- ♦ Office lighting
- ◆ 办公照明

◆ 陈列柜照明

◆ Cabinet lighting





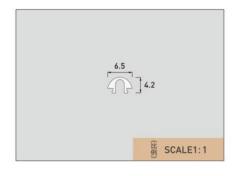
打造创新企业 塑造行业标杆

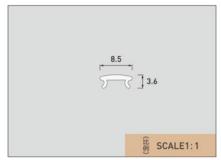
BUILDING INNOVATIVE ENTERPRISE SET UP INDUSTRY BENCHMARKS

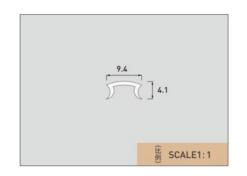
DRAWINGS 产品图纸

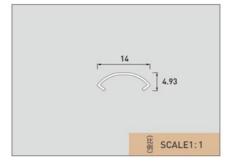


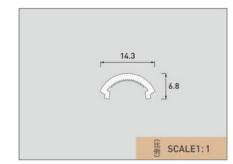
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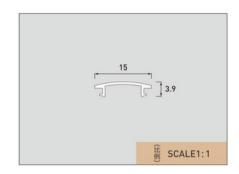


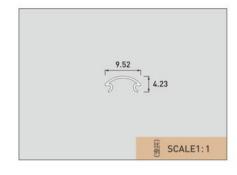


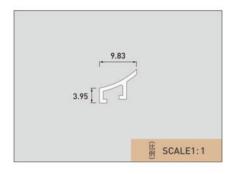


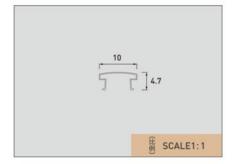


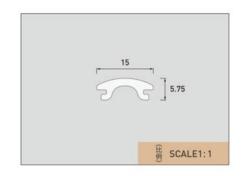


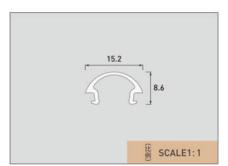


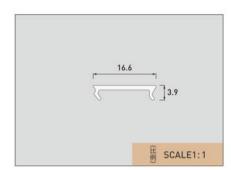


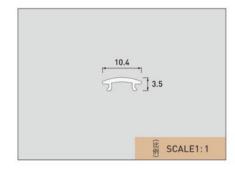


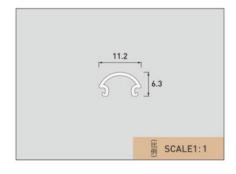


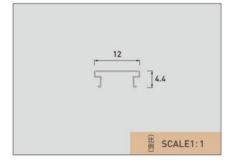


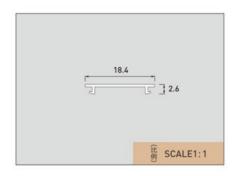


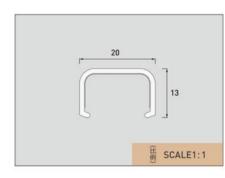


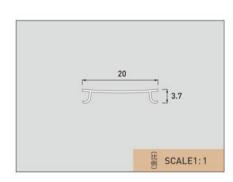


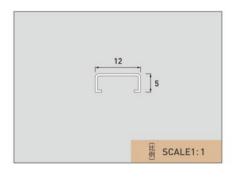


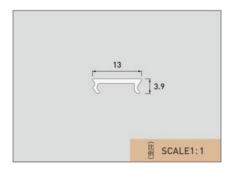


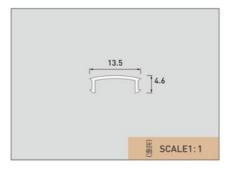


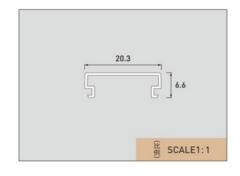


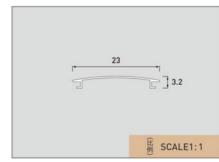


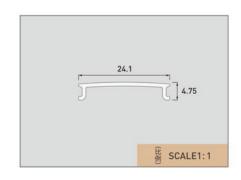








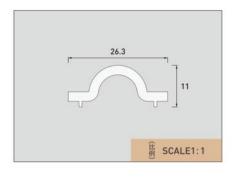


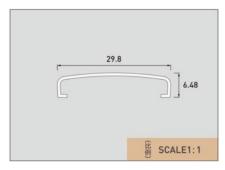


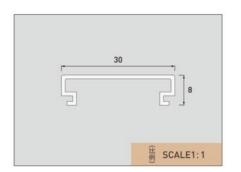
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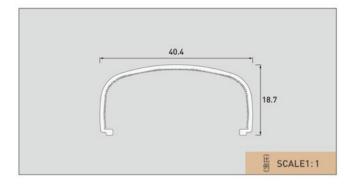
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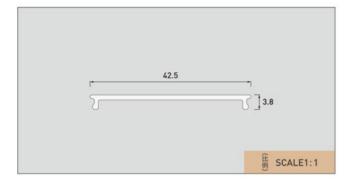
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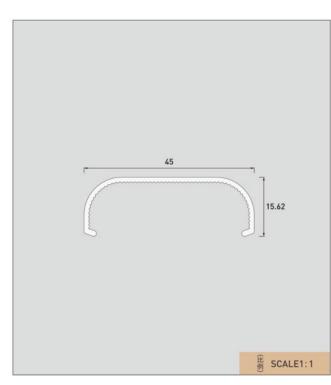


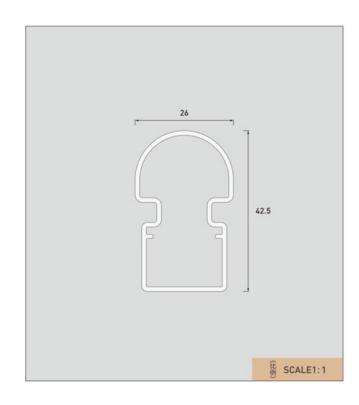


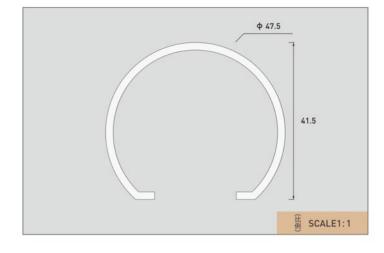


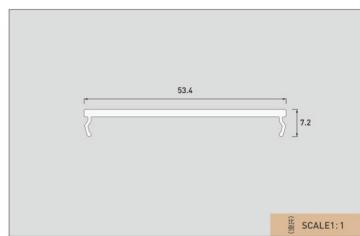


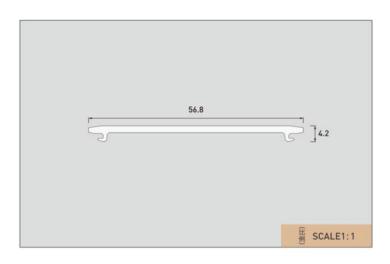


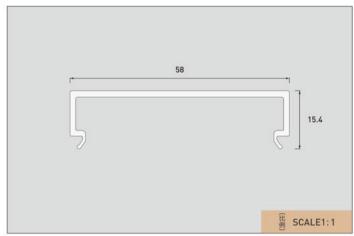


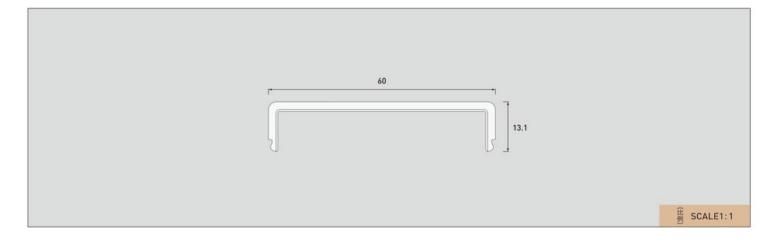








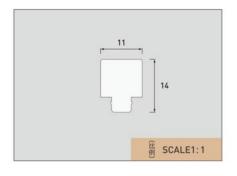


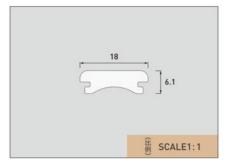


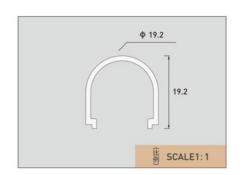
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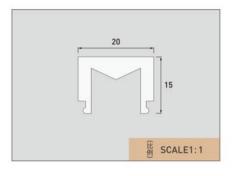
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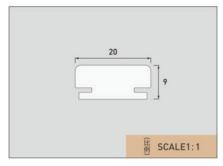
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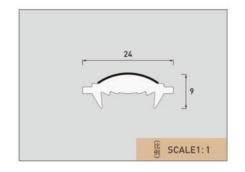


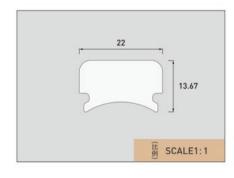


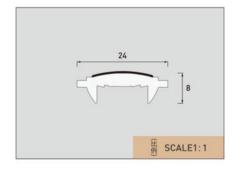


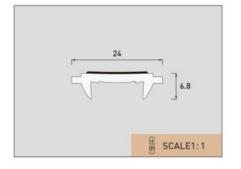


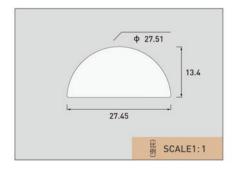


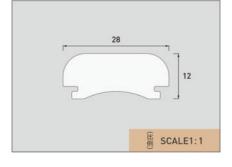


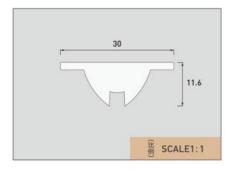


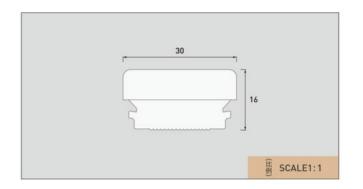


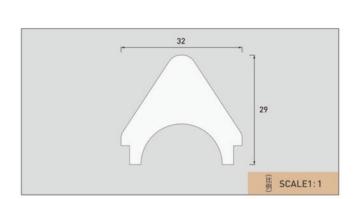


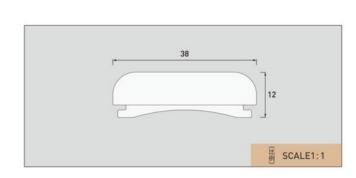


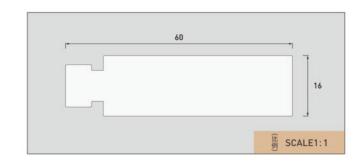


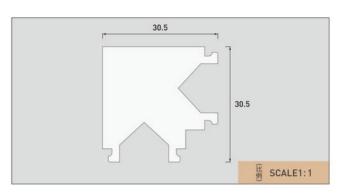


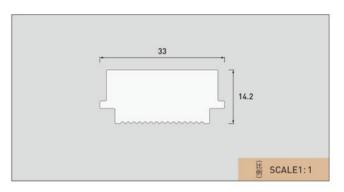


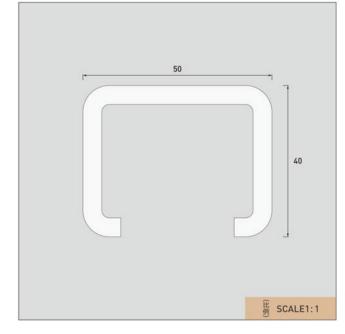








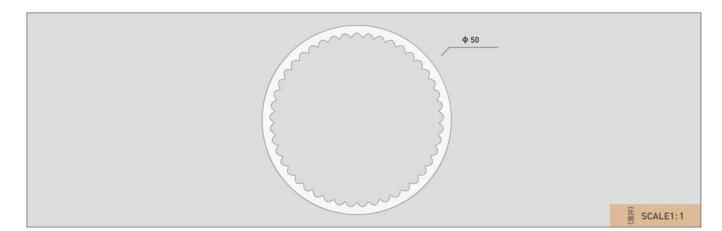


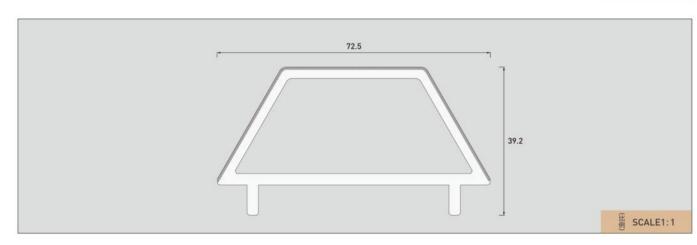


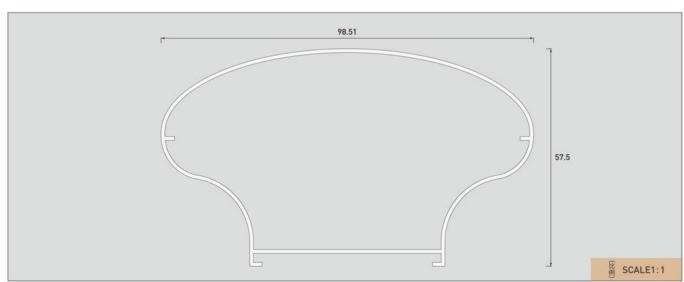
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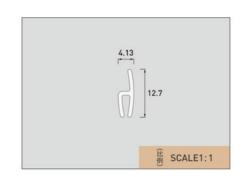
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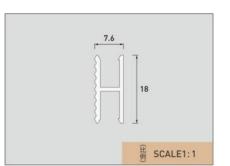


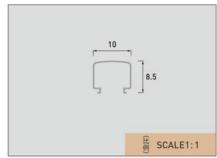


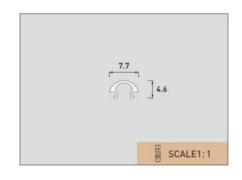


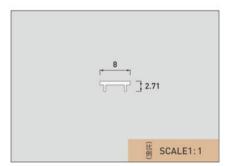


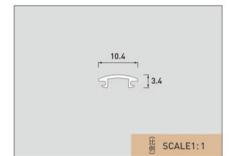


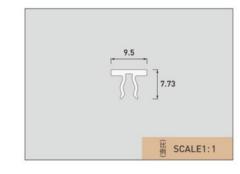


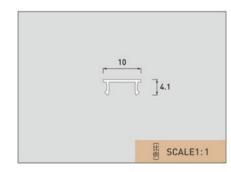


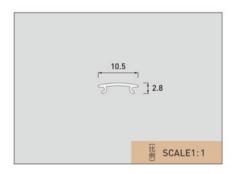


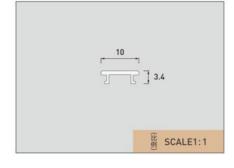


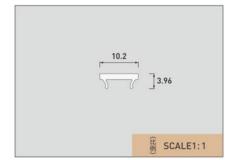


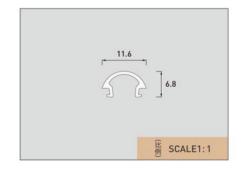






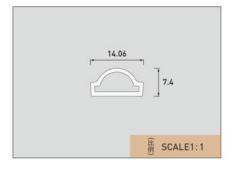


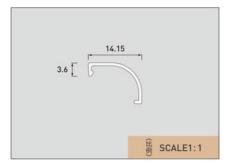




*本目录中所有私模产品图纸仅供展示,所有权归明氏客户所有,如有相关技术需求,欢迎咨询。 The customized mold drawings illustrated in this catalogue are for displaying only, since to be property and of exclusive use of specific Mingshi clients. On request technical modifications are possible.

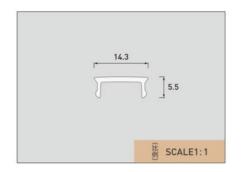
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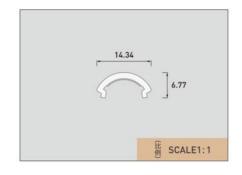


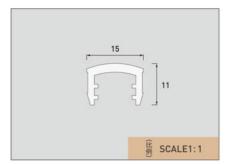


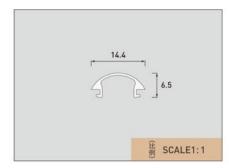
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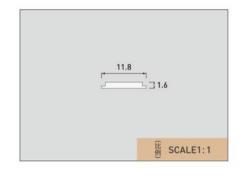
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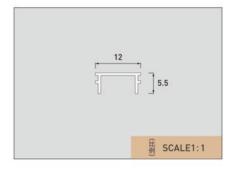


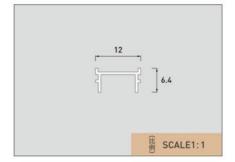


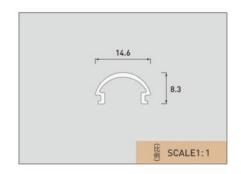


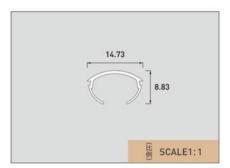


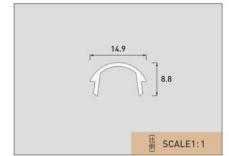


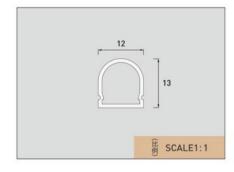


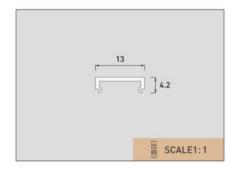


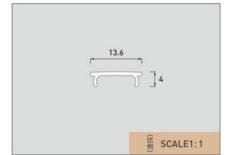


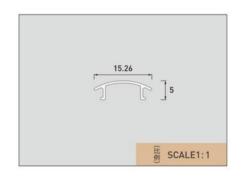


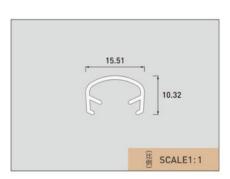


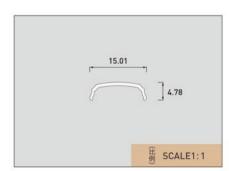


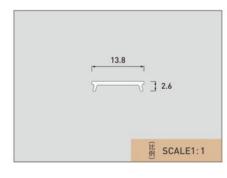


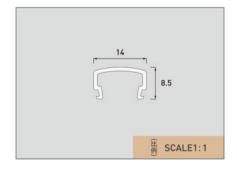


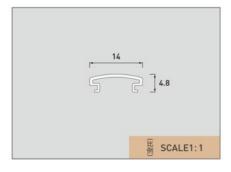


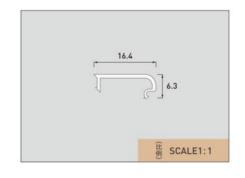


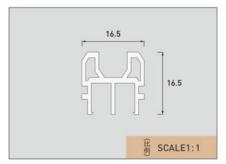


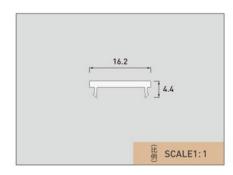










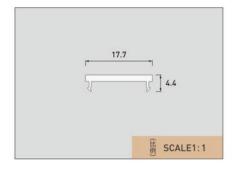


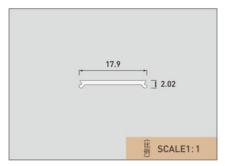
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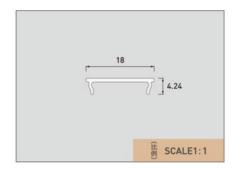
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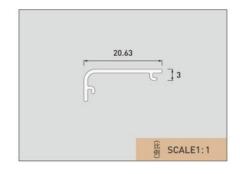
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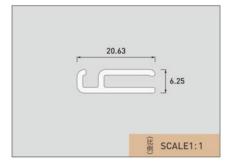
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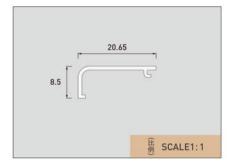


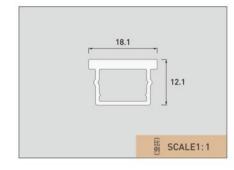


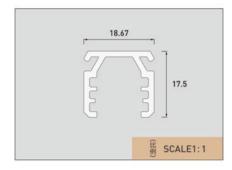


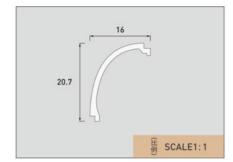


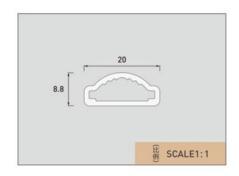


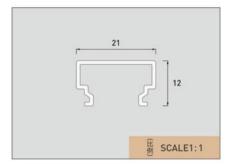


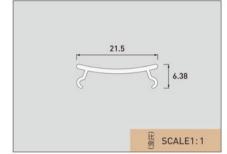


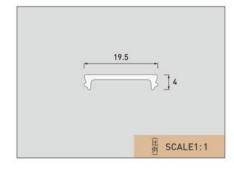


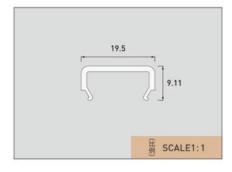


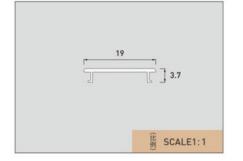


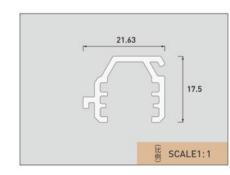


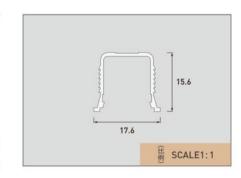


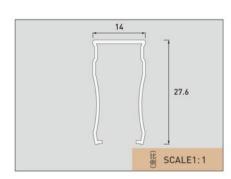


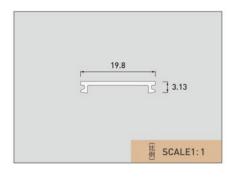


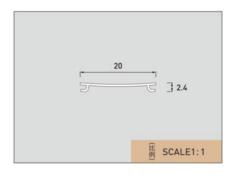


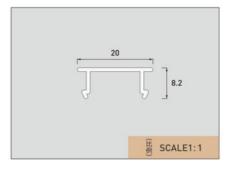


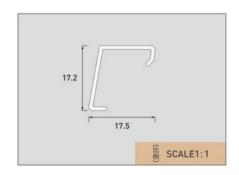


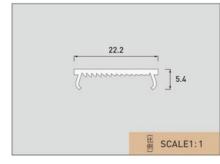


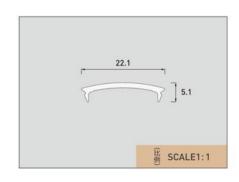












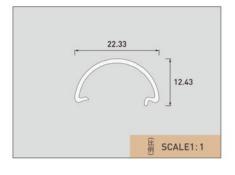
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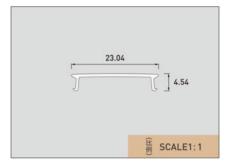
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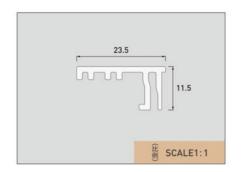
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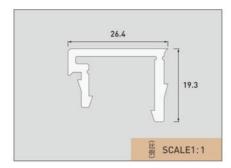
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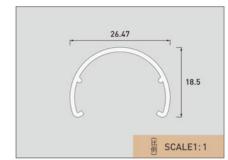


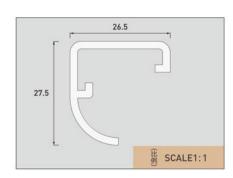


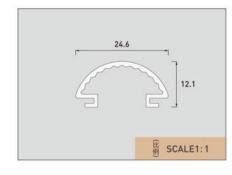
CUSTOMIZED MOLD

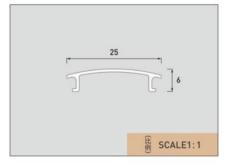


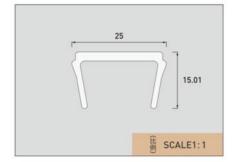


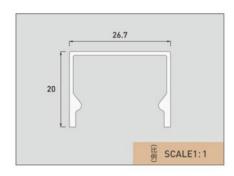


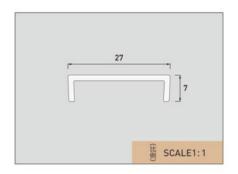


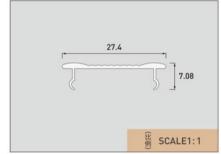


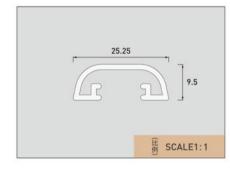


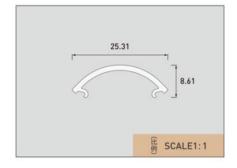


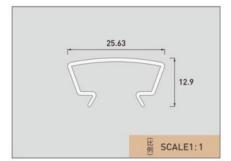


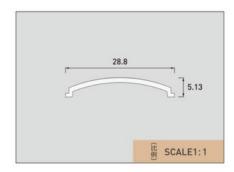


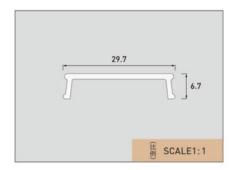


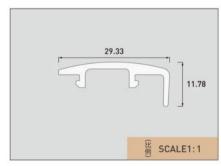


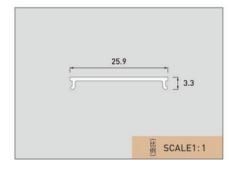


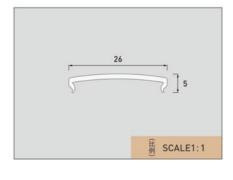


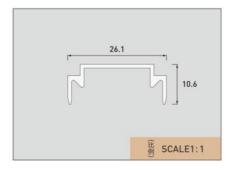


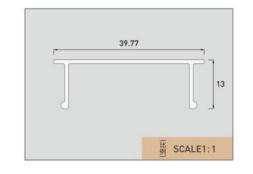


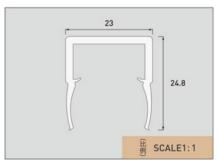


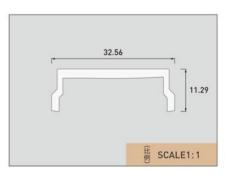










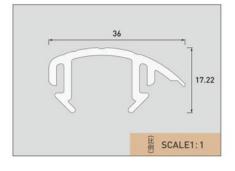


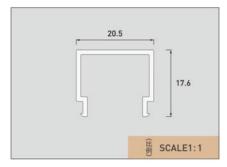
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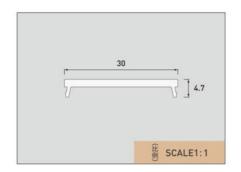
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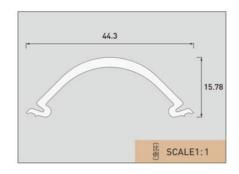
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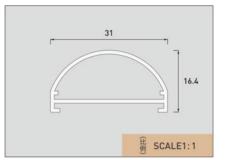
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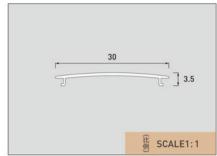


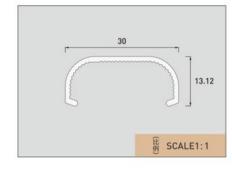


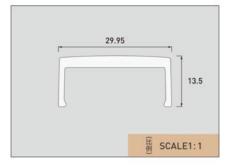


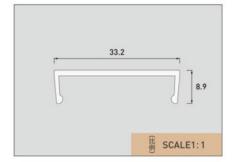


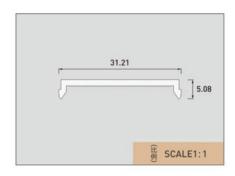


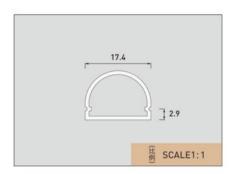


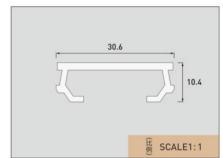


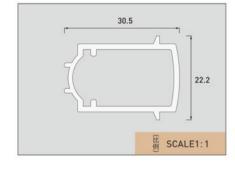


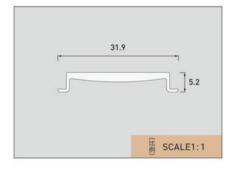


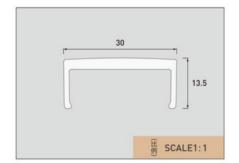


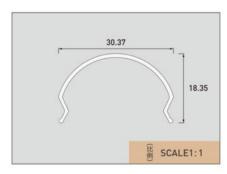


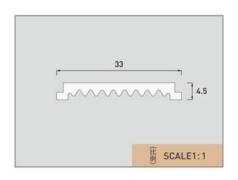


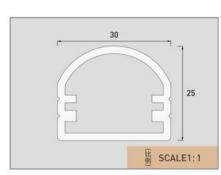


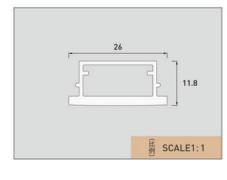


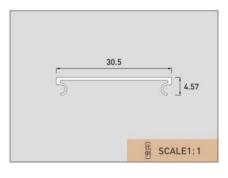


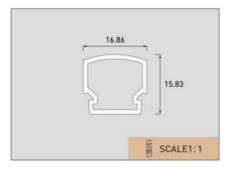


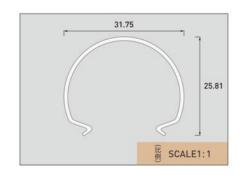


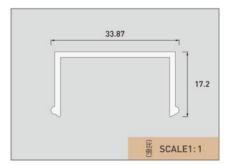


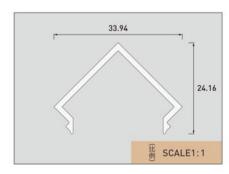








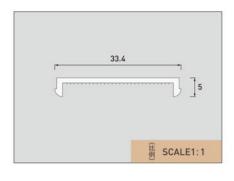


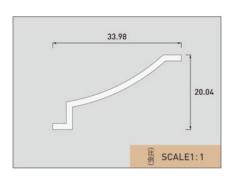


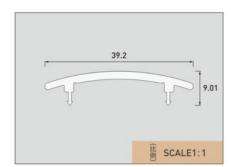
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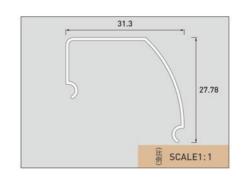
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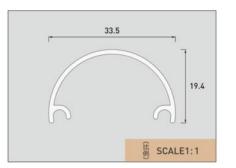
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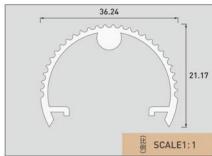


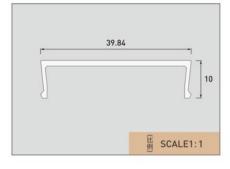


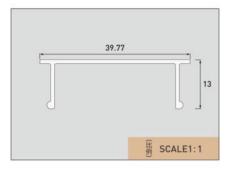


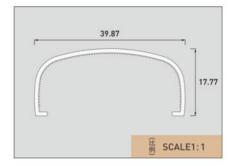


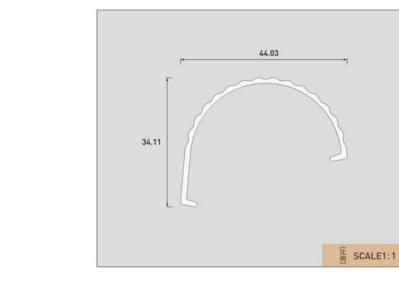


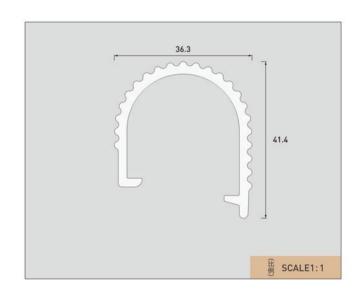


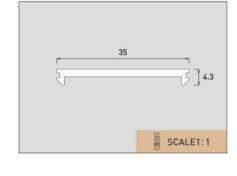


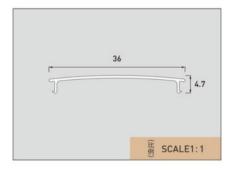


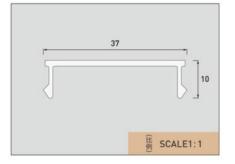


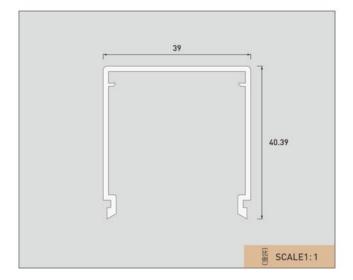


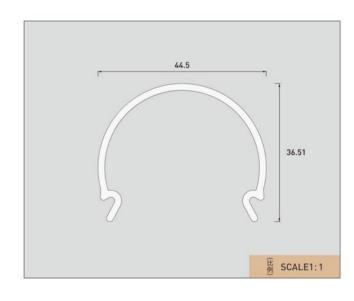


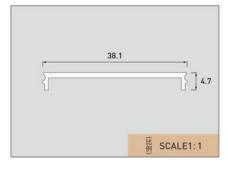


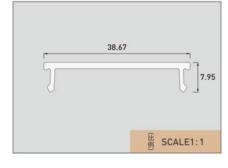


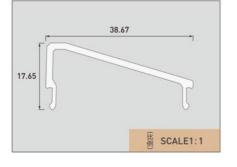










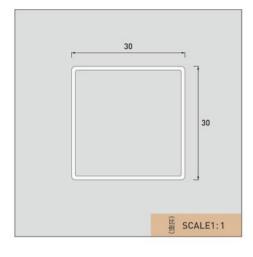


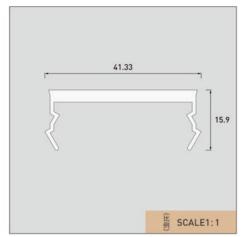
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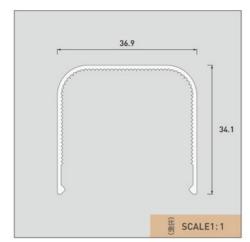
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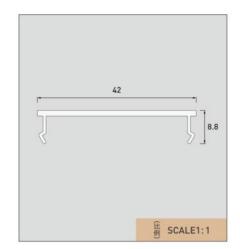
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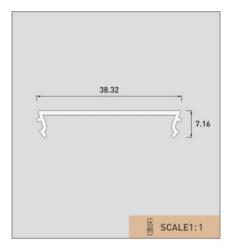
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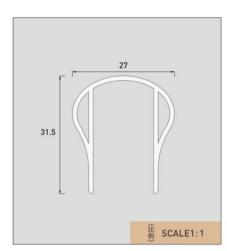


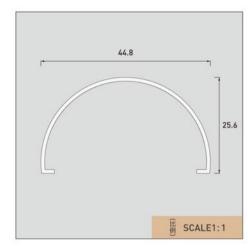


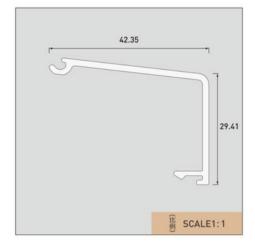


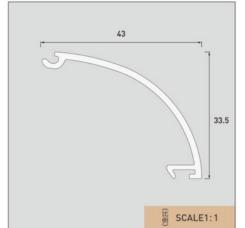


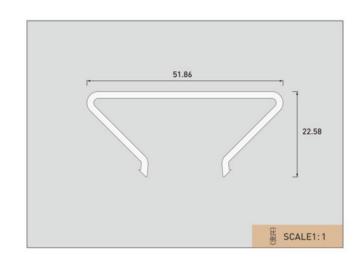


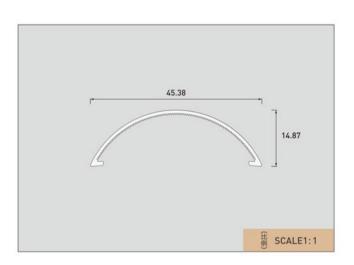


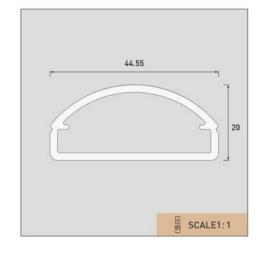


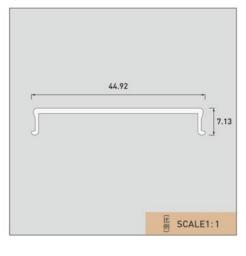


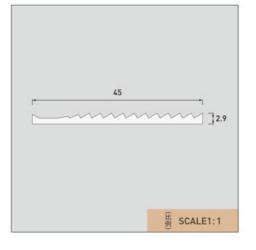


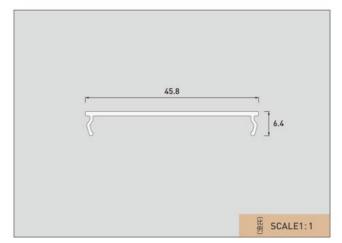


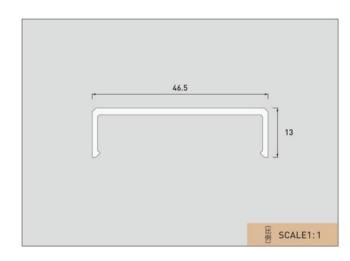










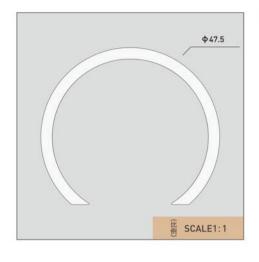


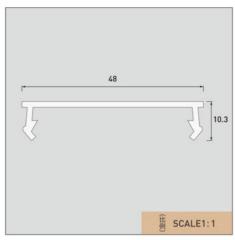
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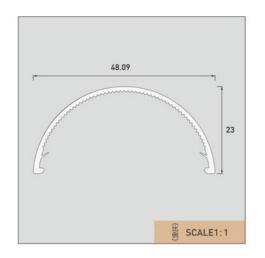
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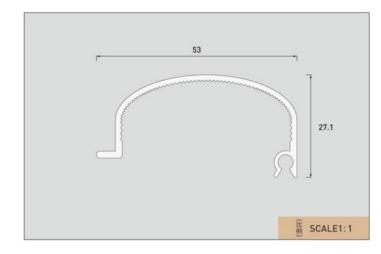
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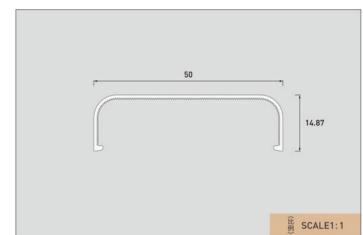
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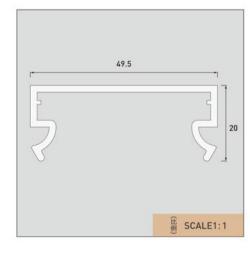


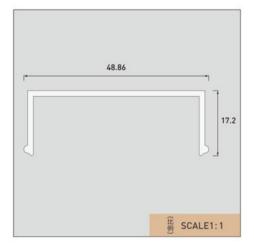


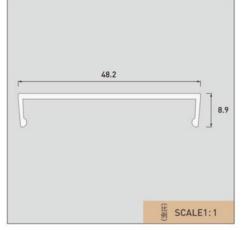


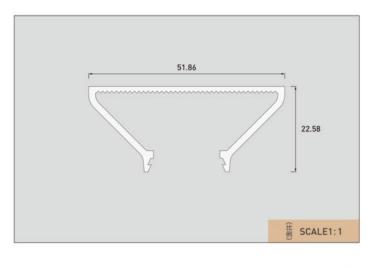


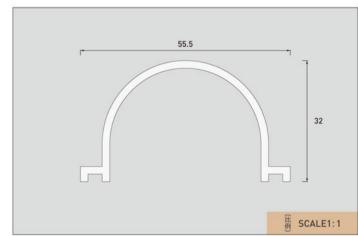


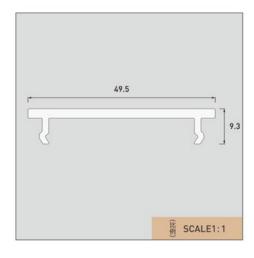


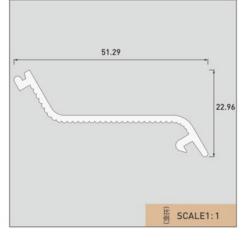


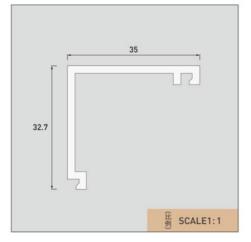


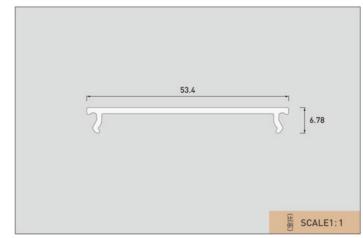


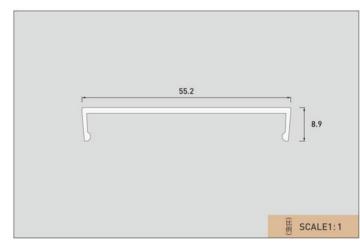










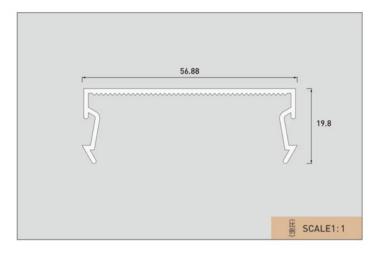


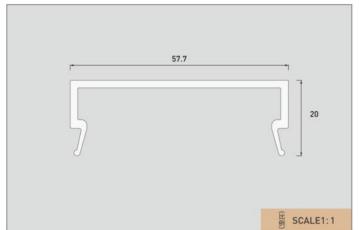
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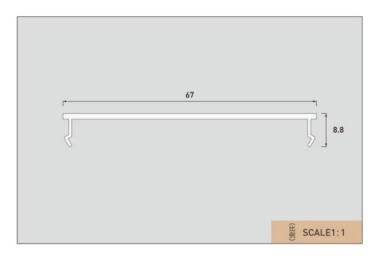
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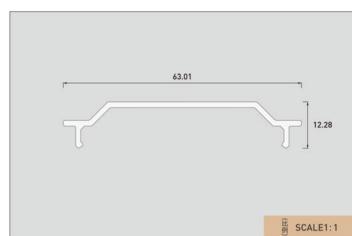
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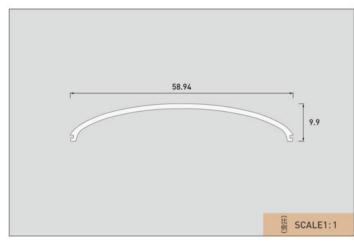
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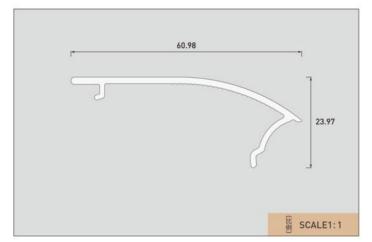


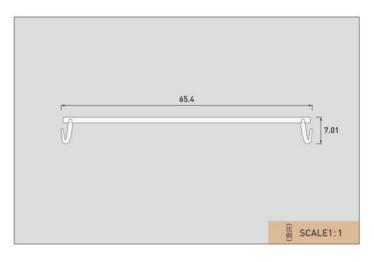


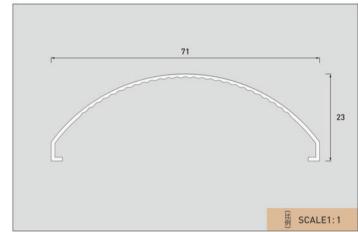


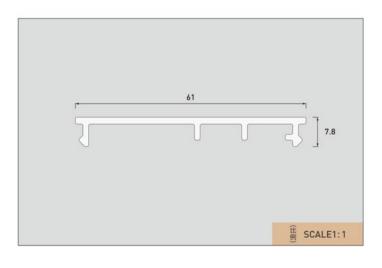


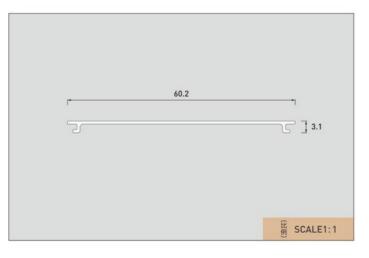












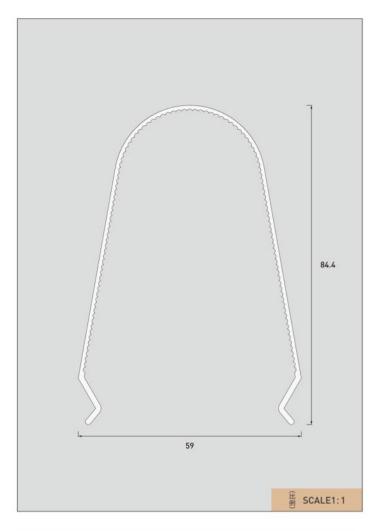


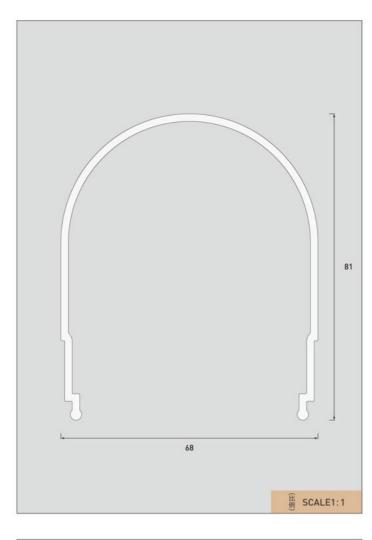
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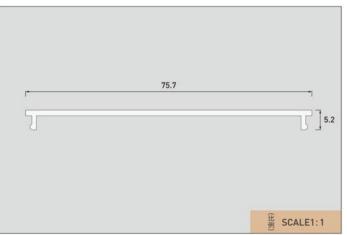
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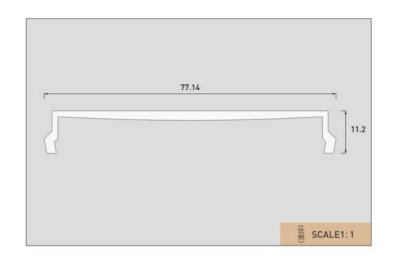
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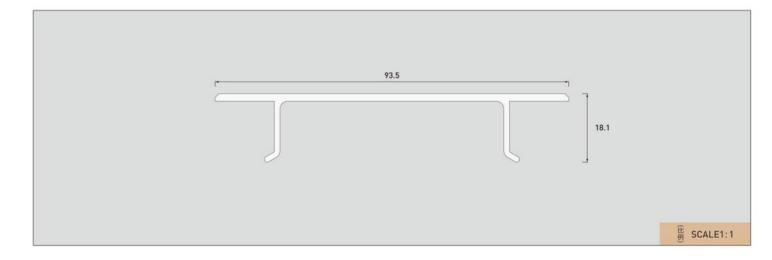












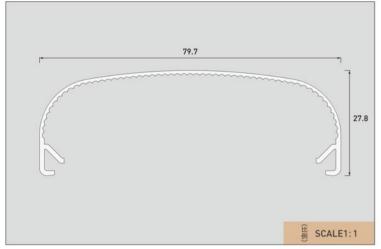
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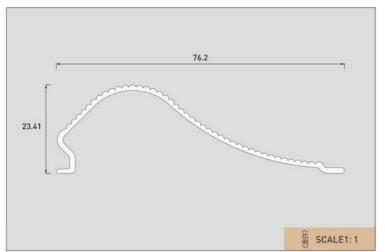
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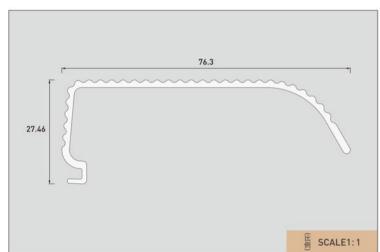
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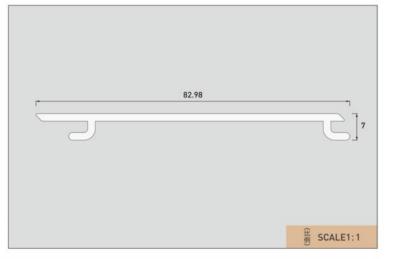
CUSTOMIZED MOLD 私模图纸展示

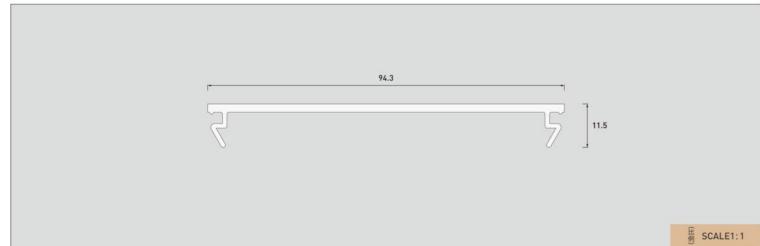
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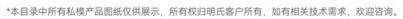






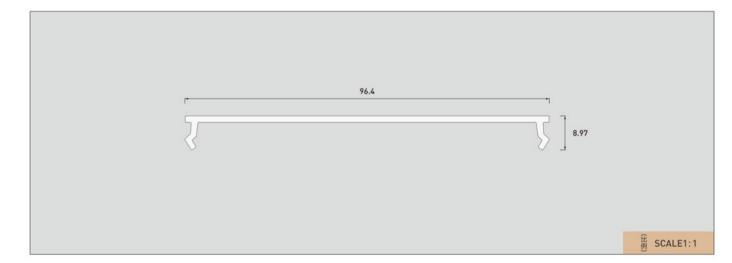


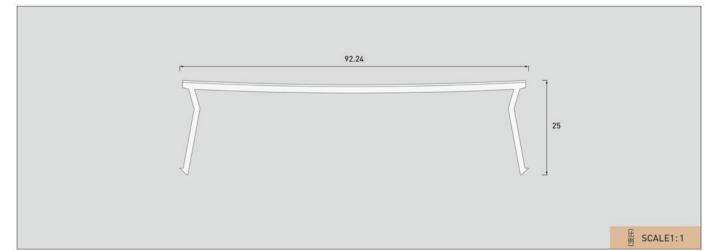




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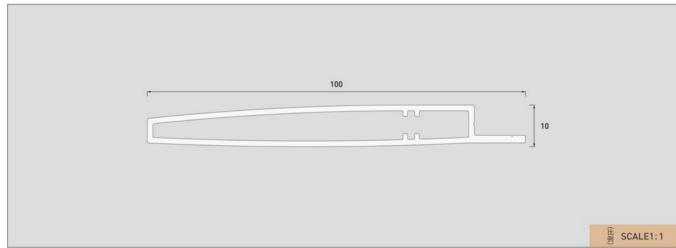


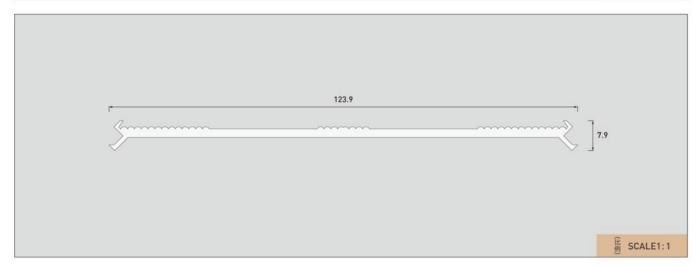


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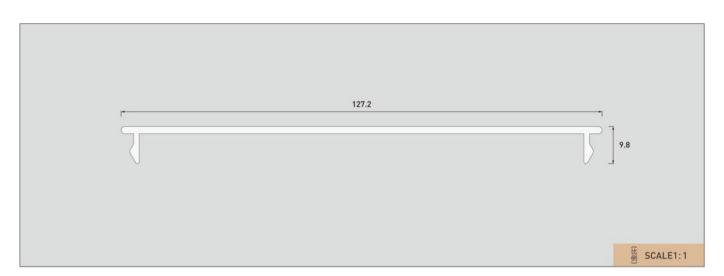


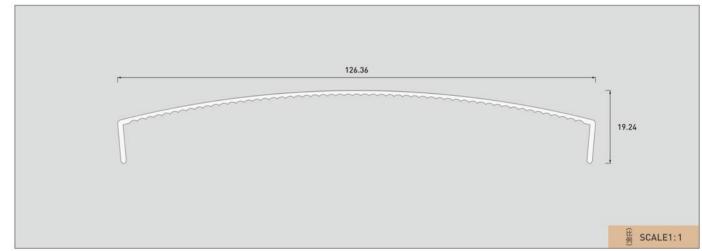


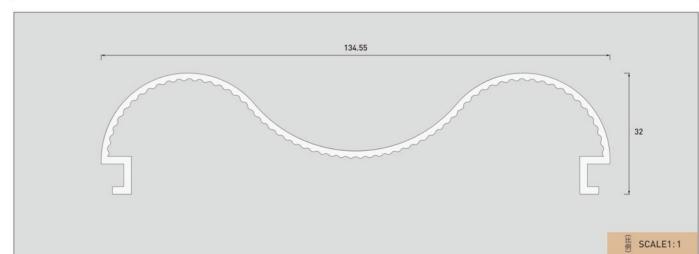


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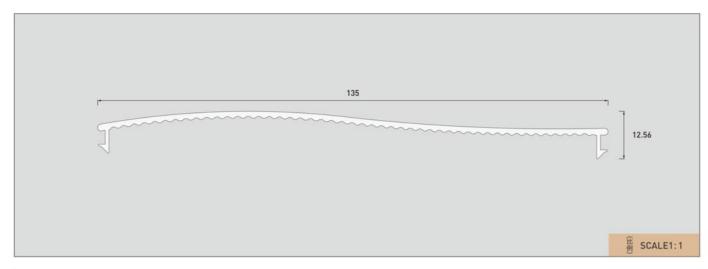


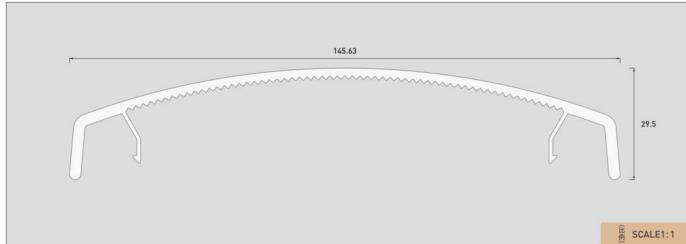


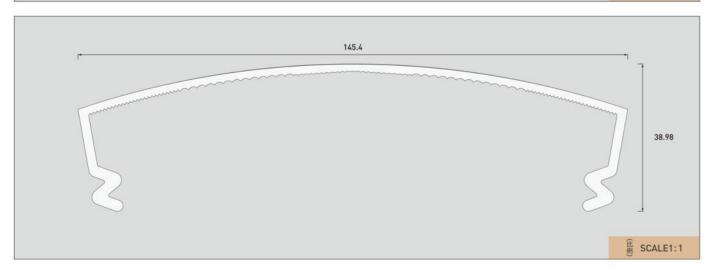
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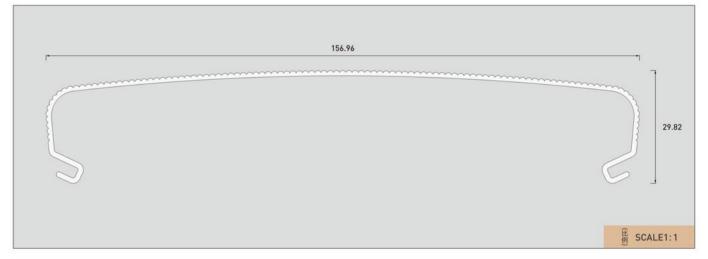






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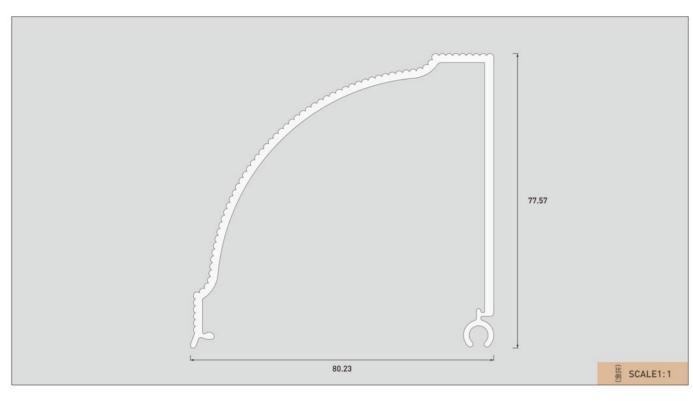


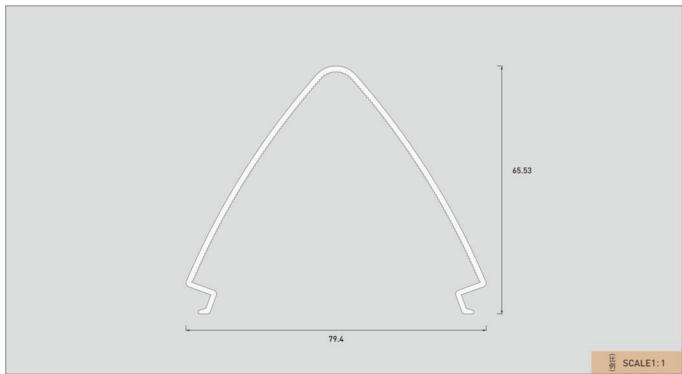


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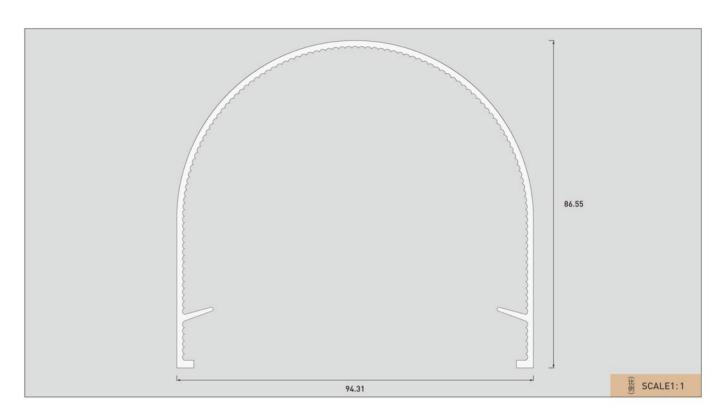
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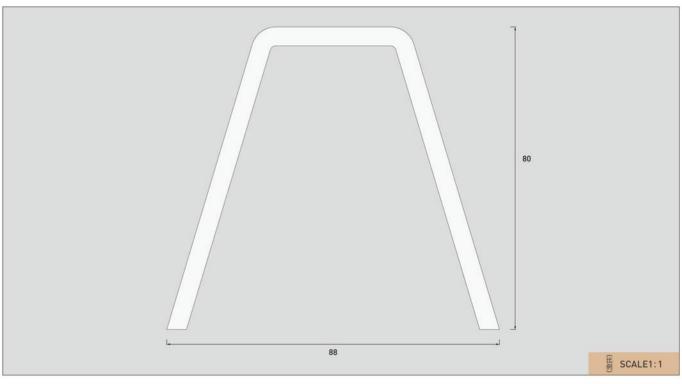






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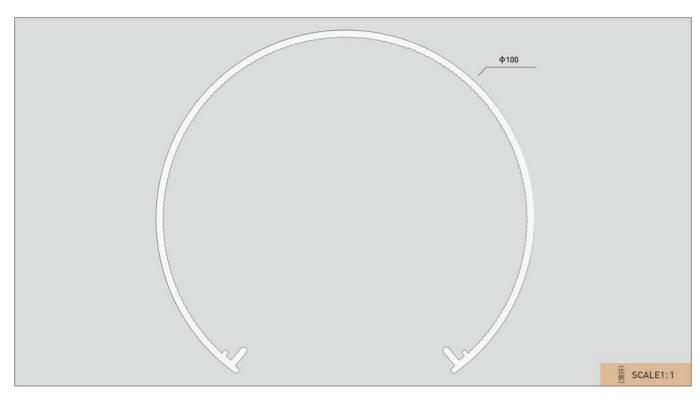


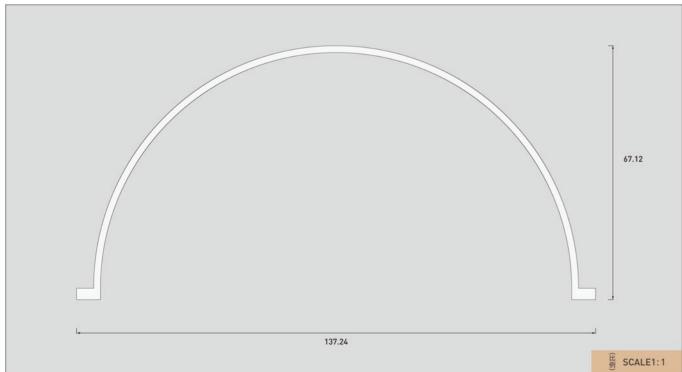


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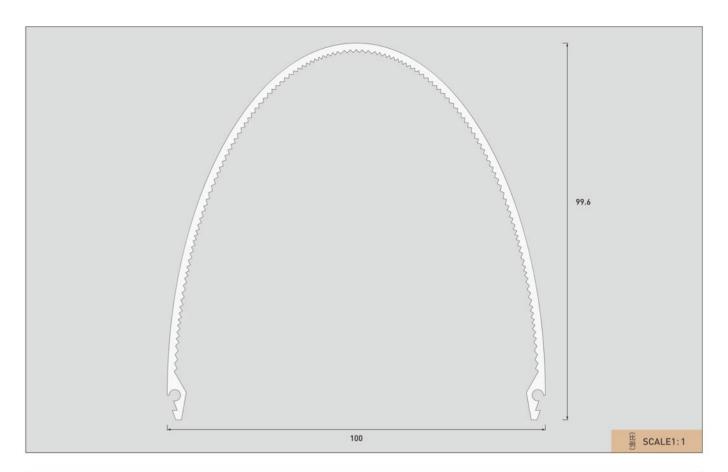


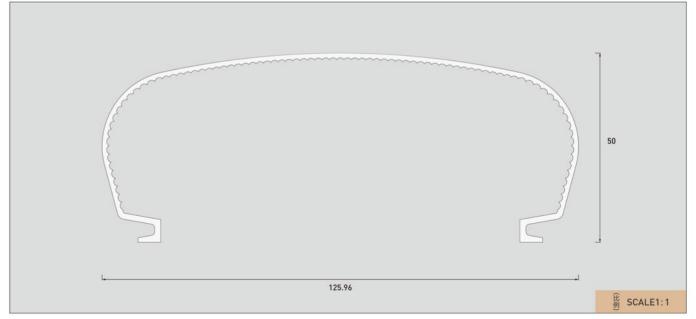


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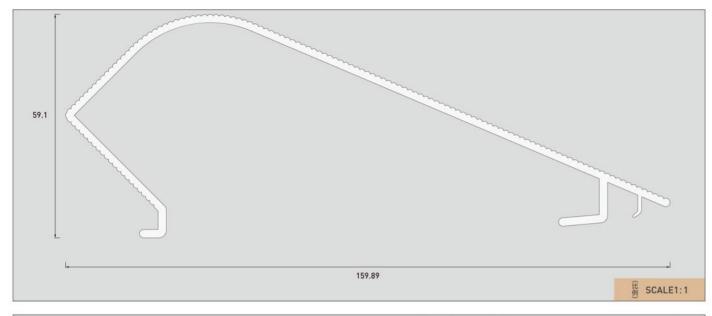
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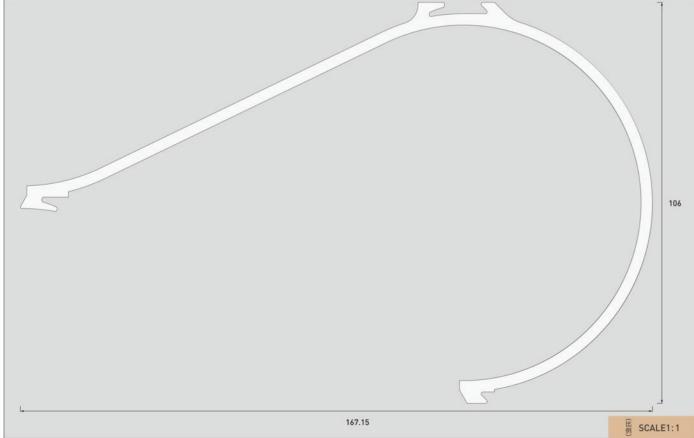




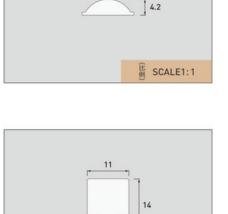
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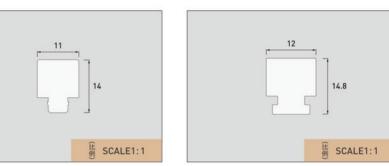
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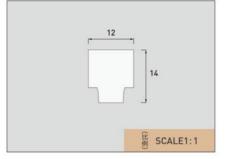






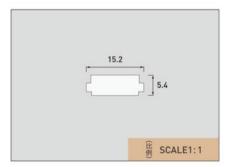


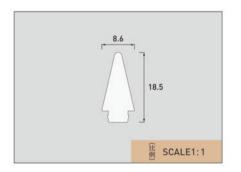


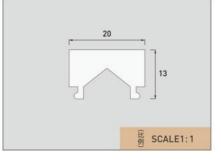


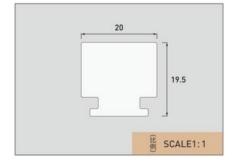
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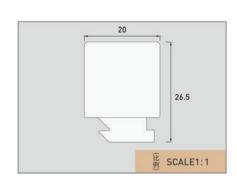
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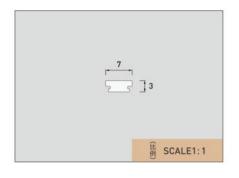


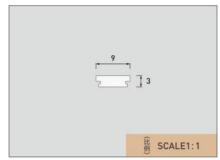


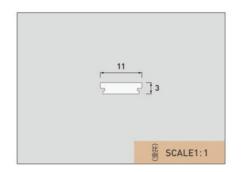
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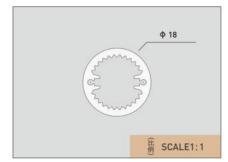
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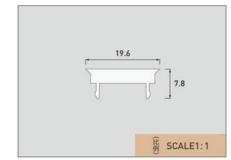
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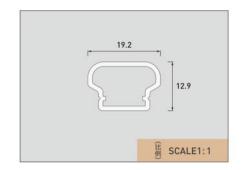


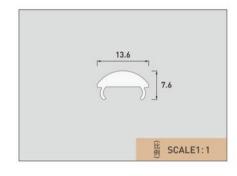


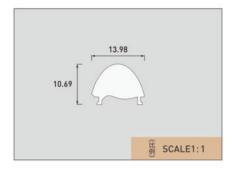


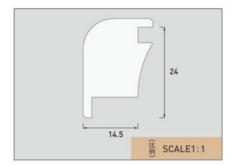


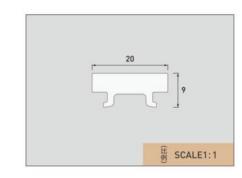


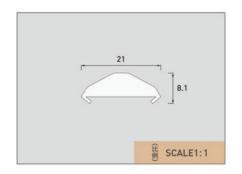


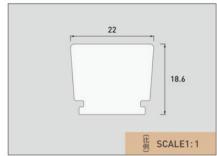


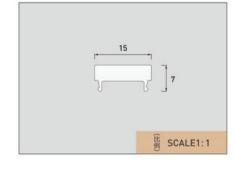


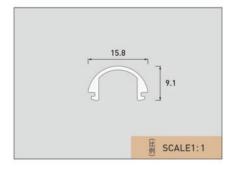


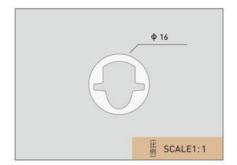


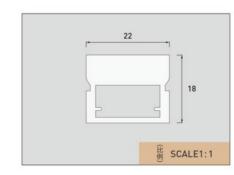


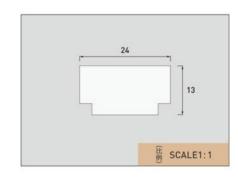


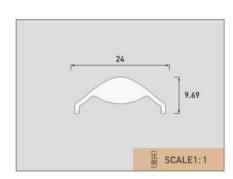


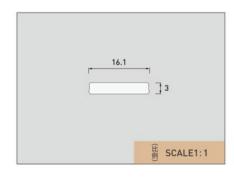


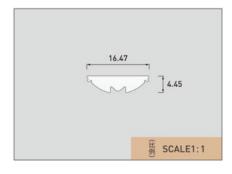


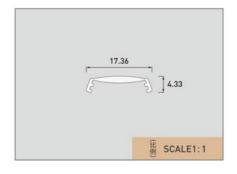


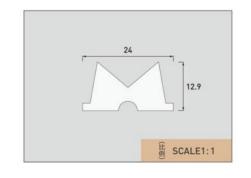


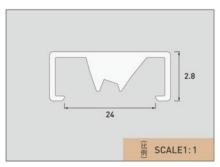


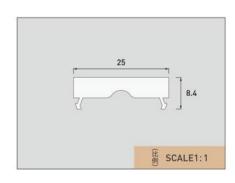








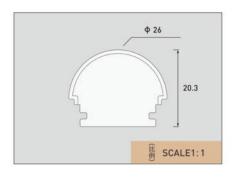


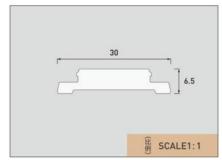


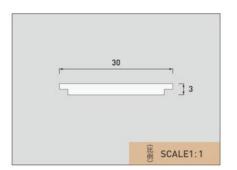
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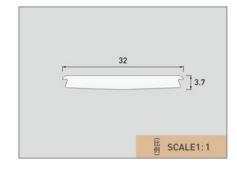
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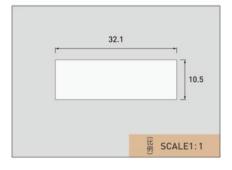
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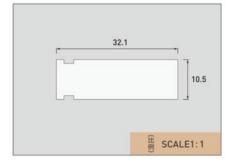


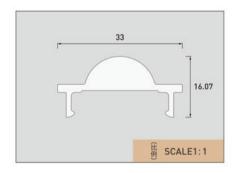


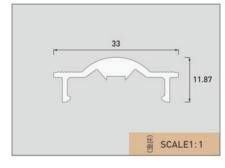


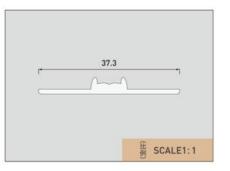


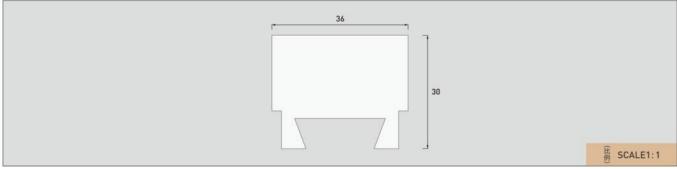


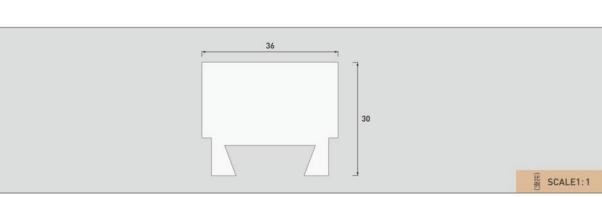


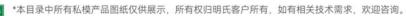




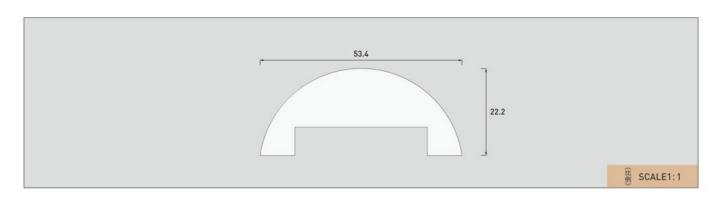


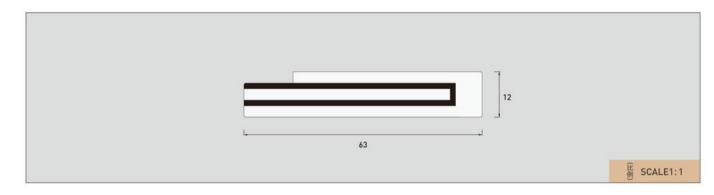


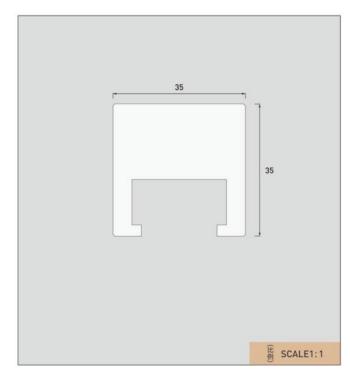


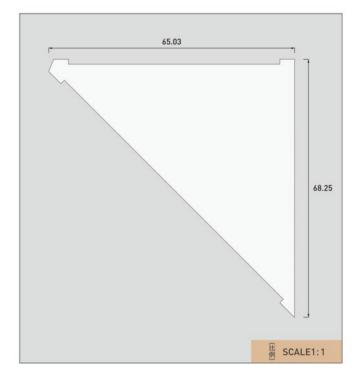


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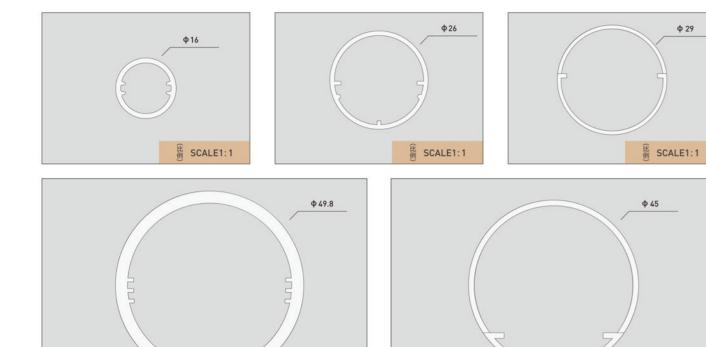




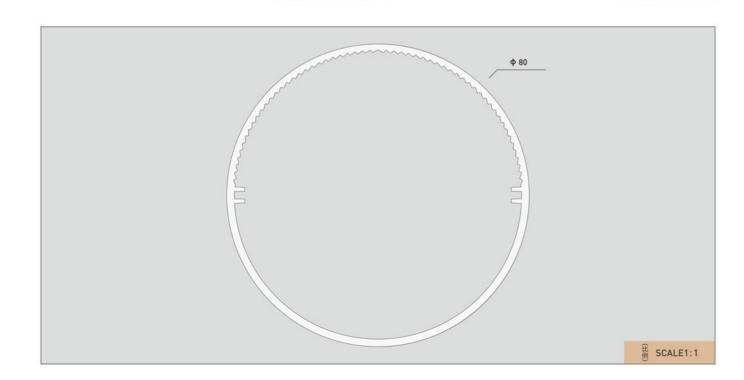
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私模图纸展示 CUSTOMIZED MOLD DRAWING DISPLAY

*单位: mm



比 SCALE1:1



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PURSUE EXCELLENCE CUSTOMER FIRST

为您所制, 唯您所用 致力为每一个客户提供优良产品与服务

追求

MADE FOR YOU, ONLY FOR YOU COMMITTED TO PROVIDING EVERY CUSTOMER WITH EXCELLENT PRODUCTS AND SERVICES

比 SCALE1:1

打造创新企业 塑造行业标杆

BUILDING INNOVATIVE ENTERPRISE SET UP INDUSTRY BENCHMARKS

06 CLEANING & MAINTENANCE 清洗与维护



⑯ 清洁PC和压克力产品最好的方法是什么?

- 1、用清水直接清洗PC或者压克力。
- 2、用温和的肥皂和温水混合。使用干净的,由柔软材料制成的新布,但要尽可能不含棉絮,这样它就不会吸附可能会划伤PC和压克力的小颗粒。
- 3、轻轻的由上而下均匀擦拭,切勿圆周擦拭。
- 4、经常更换水和冲洗布料,如果看到任何颗粒,请立即冲洗。
- 5、重复清洗直到干净,并确保您使用另一块干的软布擦拭,以避免留下水印。

What is the best way to clean polycarbonate and acrylic products?

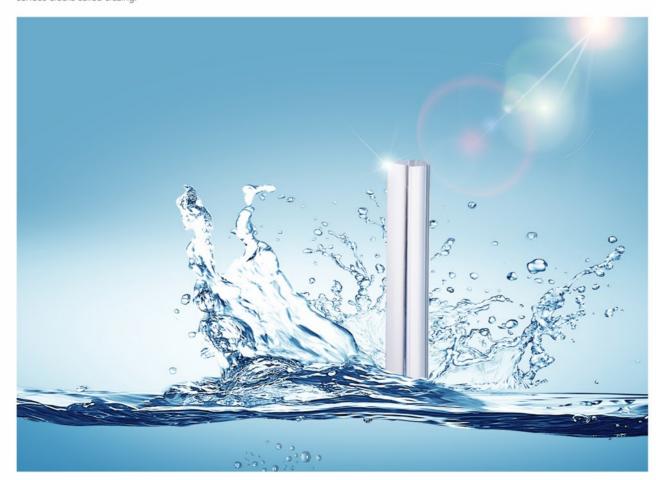
- 1. Rinse the polycarbonate or acrylic.
- 2. Apply a mix of mild soap and warm water. Use a clean, new cloth made of soft material yet as lint-free as possible so it does not trap small particles that might scratch the polycarbonate and acrylic.
- 3. Do NOT wipe in a circular motion. Up and down uniform strokes with light pressure only.
- 4. Change the water and rinse the cloth often. If at any point you see particles then rinse immediately.
- 5. Rinse, repeat until clean and make sure you dry with another soft cloth to avoid spots left by the water.

☞ 请勿使用:

窗户清洁喷剂,厨房洗涤化合物或溶剂,如丙酮、汽油、酒精、油、四氯化碳、漆稀释剂或任何与PC和压克力材料不相容的物质。否则可能会划伤表面或软化产品,导致产生表面裂纹。

DO NOT USE:

Window cleaning sprays, kitchen scouring compounds or solvents such as acetone, gasoline, alcohol, oils, carbon tetrachloride or lacquer thinner or any substance that is not compatible with polycarbonate and acrylic material. These can scratch the surface and / or weaken the products causing small surface cracks called crazing.





广东省中山市横栏镇 新茂工业区康龙五路中巷1号

备忘录		
		R
	广东明日 科技有阿 Guangdong Mingshi Plastic	氏塑胶 艮公司
	▶⊳▶	
	明氏塑胶始创	于2004年

电 话: 86-760-87296100 / 传 真: 86-760-87680299 销售专线: 86-760-87680290 / Hotline: 86-760-87680291 www.mingshiplastic.com / www.msplastic.net / info@ms-acrylic.com