



开封奥纳模具有限公司

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AONA

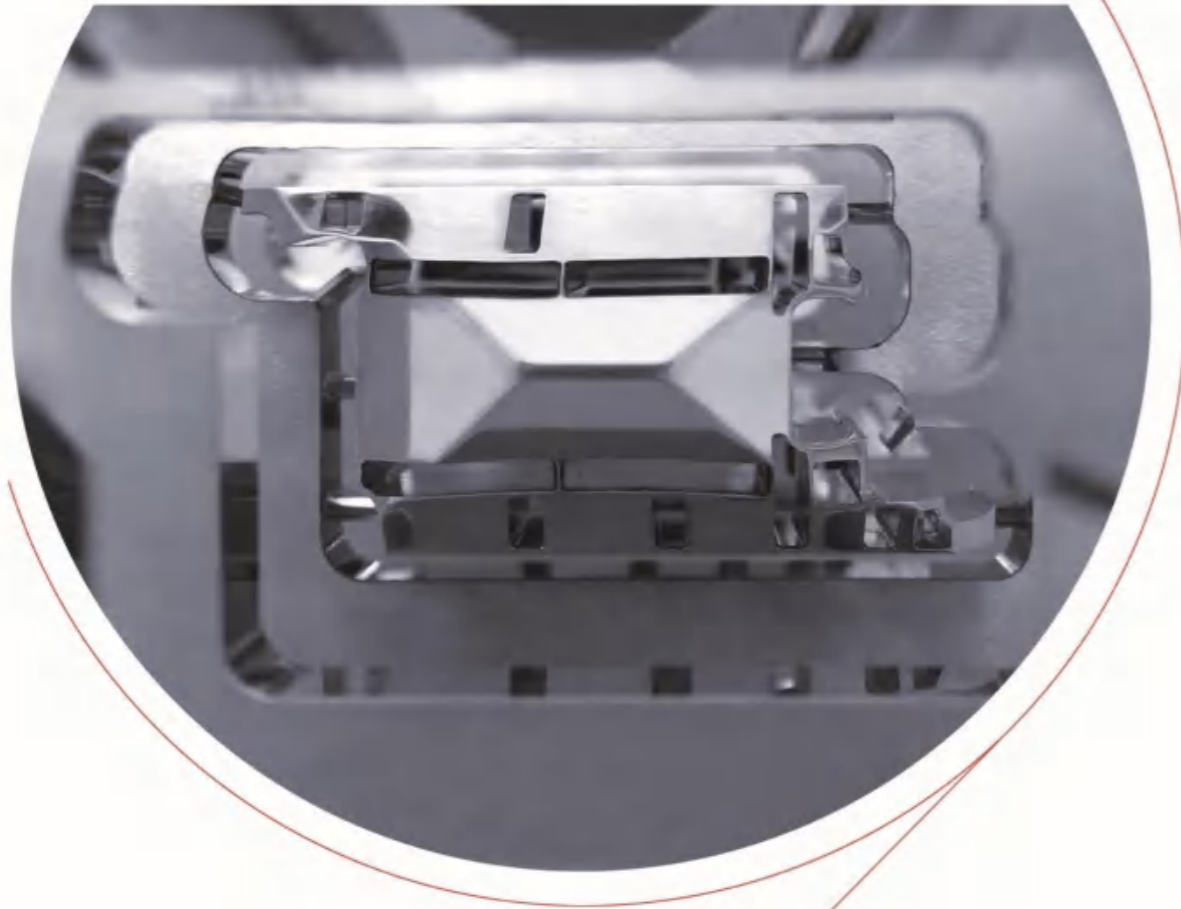
EXTRUSION TOOLING

奥纳 — 全优模具制造商



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奥纳—全优模具制造商
AONA — EXCELLENT EXTRUSION
TOOLING MANUFACTURER



About Us

奥纳简介

开封奥纳模具有限公司坐落在八朝古都开封，是一家集设计、研发、制造、销售、调试、技术服务为一体的塑料异型材挤出模具专业制造商。公司技术实力雄厚，制造设备先进，负责人雷春锋已有连续20多年的从业经验。公司以技术创新为根本，拥有经验丰富的高水平专业设计人员和模具调试人员，其中工程师4人，技师20余人。公司建有完整的CAD图形系统，采用CAD/CAM联网运行，实行微机系统化管理。

公司制定了《挤出模具设计标准》、《挤出模具检验标准》、《挤出模具工艺标准》，并在国家相关部门备案，在生产设计上得到认真贯彻，有力的保证了模具的品质统一，公司坚持做“全优模具”的理念，竭诚为客户提供全优的模具解决方案。

Aona is located in Kaifeng, the ancient capital of the eight dynasties. A set of design, R & D, manufacturing, sales, tuning, technical services as one of the plastic extrusion tooling professional manufacturers. Lei Chunfeng, the head of Aona, has more than 20 years' experience in research & development of extrusion technology. Our team, including 4 professional engineers and more than 20 technicians. Building a complete CAD graphics system, using CAD / CAM network operation and carry out computer system management.

Based on " design standard of extrusion tooling", " inspection standard of extrusion tooling ", " process standard of extrusion tooling ", Aona has been seriously implemented to ensure the high quality of tooling. Adhering to the concept of " excellent extrusion tooling manufacturer", Aona focus on providing expert solutions.

主导产品 Main products

PVC门窗异型材模具、汽车内饰件模具、通讯模具、铝塑复合模具、发泡异型材模具、家具板模具、浴柜板模具、PVC装饰材微发泡型材模具、石塑模具、木塑模具、工程塑料模具等。

PVC Window & Door Profile Tooling, Automobile Interior Decoration Tooling, Communication Tooling, Al & Plastic Co-extrusion Tooling, Foam Profile Tooling, Furniture Panel Tooling, Bath Cabinet Panel Tooling, PVC Decorative Micro Foam Profile Tooling, Stone & Plastic Tooling, WPC Tooling, Engineering Plastic Tooling, etc.

生产规模 Production scale

公司拥有2000m²的标准化装配车间和机加工车间，引进了行业领先的加工中心、高精度新型线切割共计20多台，模具实现了装配数控化，可年产300余套高档模具。

Aona has 2000 square meters of standardized assembly workshop and machining workshop, industry-leading processing center, over 20 sets high-precision new type wire cutting, assembly CNC. Annual capacity is more than 300 sets of high quality toolings.

技术创新 Technological innovation

公司坚持自主研发技术创新，突破了若干行业技术难题。其中：一种挤出机分流器，专门治螺杆黑线的（专利号：ZL 2018 2 1246316.9）专利分流器，获得科技部中小企业发展基金支持。

Aona insists on independent R & D and technological innovation, has broken through several technical problems in the industry. Such as an extruder diverter, a patent diverter for black lines of screw (Patent No.: ZL 2018 2 1246316.9) was supported by the SME development fund of the Ministry of science and technology.

市场营销 Marketing

奥纳以其产品的完美品质和热忱高效的服务，赢得了市场与客户的广泛好评和信任，主要客户有：英德行健、西安高科、实德集团、贝迪、华之杰、大明集团、保定胜达、永高管业等，并出口到美国、印度、阿尔及利亚、吉尔吉斯斯坦、泰国、法国、越南等。

With the perfect quality and efficient service, Aona has won wide praise and trust from the market. Our main customers including: YINGDEXING-JIANPROFILES, XI'ANGROKE(GROUP)CORPORATION, SHIDE GROUP, BEIDI, HUAZHUIE, DAMING GROUP, BAODING SHENGDA, YONGGAO PIPE, etc., and also exports to the United States, France, India, Thailand, Vietnam, Algeria, Kyrgyzstan, etc.

QUALITY ASSURANCE

品质保证



BE METICULOUS STRIVE FOR PERFECTION

一丝不苟 精益求精



奥纳引进了国内先进的检测设备及高精专业加工设备，质量就是企业的生命，严格遵照行业检验规则，质量管理贯穿着企业管理的全过程，拥有严格、完善的品质管理标准，生产过程推行全员、全过程质量把关，对每一产品都按照国家标准进行质检，量化的要求和检查每一个过程，一丝不苟，精益求精！

Aona has introduced domestic advanced testing equipment and high-precision professional processing equipment. At the same time, Aona has strict and perfect quality management standards. Quality is the life of an enterprise. Quality control runs through the whole process of enterprise management. Strictly abide by the inspection rules of the industry. The production process carries out the quality control of all staffs and the whole processes. Every product is inspected and quantified according to the national standards. We care for even the smallest parts to achieve perfection.



SEIKO MANUFACTURING EXCELLENT QUALITY

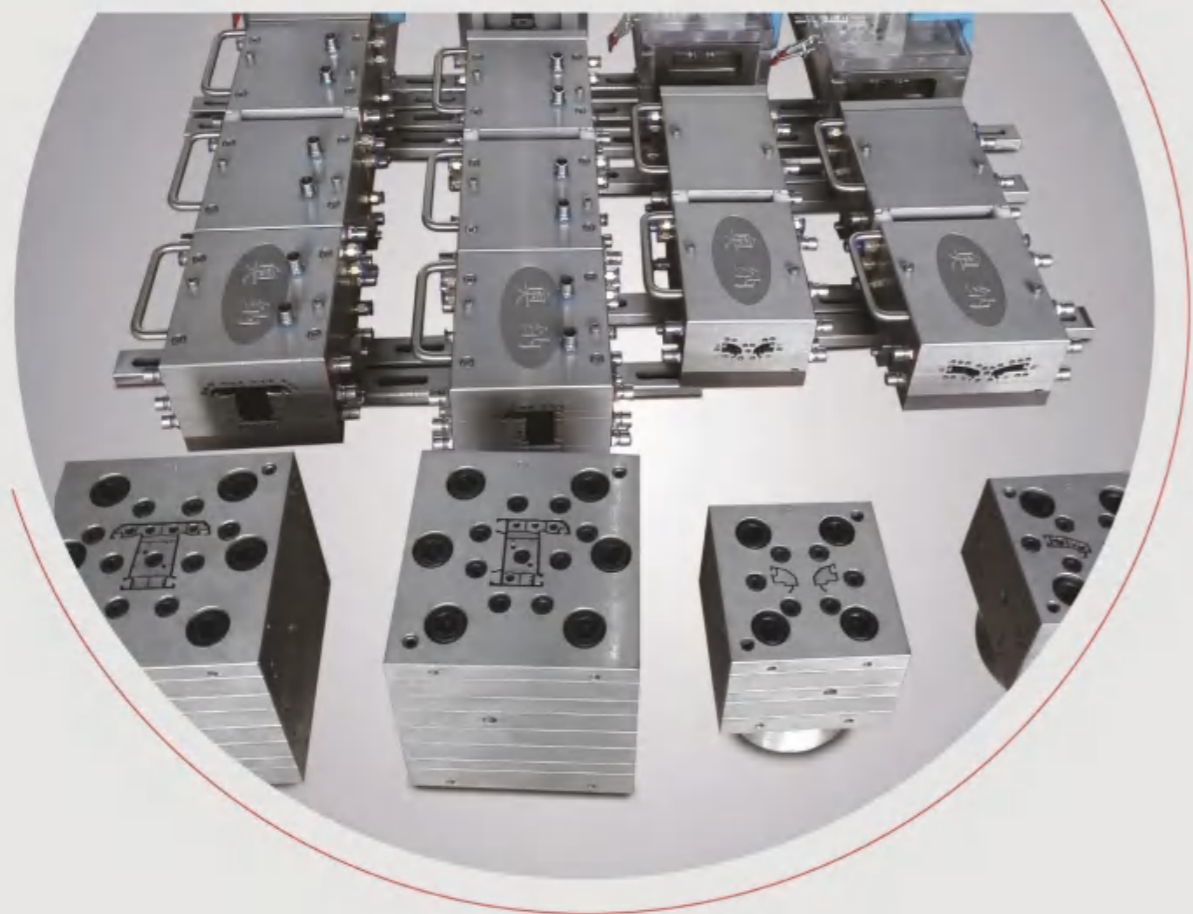
精工制造 品质卓越

奥纳拥有2000m²的标准化装配车间及机加工车间，工欲善其事，必先利其器，公司引进了行业领先的数控专业加工设备、高精密新型线切割数控机床，生产实现了数字化、专业化，精工制造，精益求精，保证了产品的加工精度，确保产品质量，确保用户的利益。

Aona has 2000 square meters standardized assembly and machining workshops. Sharp tools make good work. Using industry-leading CNC professional processing equipment, high-precision new-type WEDM CNC machines, digitization and specialization of production, precision manufacturing, so as to the processing accuracy of product, the high quality of product and the more interests of customer.



WINDOW&DOOR PROFILE TOOLING 门窗型材模具



模具是挤出系统的核心，设计技术是模具的核心，奥纳模具致力于打造-全优定制模具设计理念。从业30年的奥纳优秀设计师打破传统的设计思路，结合客户的设备、配方、原料的特性定制模具，使各方面影响因素扬长避短、发挥到极致，生产出普通模具生产不出来的性能更好的门窗型材产品。

Tooling is the heart of an extrusion system, design technology is the core element of tooling. In accordance with Aona's philosophy, outstanding designers with over 30 years experience break traditional design theory, providing customized production according to the customer's equipment, formula and raw materials. so as to maximize the advantages and disadvantages of various influencing factors, and produce better performance door & window profile.

模头 Die



定位装置采用进口销套，重复拆卸上万次间隙不变化，保证了模具出料的稳定性；机头带导柱，防止工人拆卸时损伤模具，增加模具使用寿命。

Using imported pin sleeve for positioning device, and the clearance is not easy to change, even it is repeatedly disassembled up to 10,000 times, ensures the stability of die discharge; Die is equipped with guide pillar to prevent workers from damaging the tooling during disassembly, and also increase the long life of the Tooling.

定型模 Calibrator



定型是影响挤出速度的关键，采用分段逐级收缩的设计理念，所有水汽孔均采用高精度的枪钻加工，精度高，孔距离型腔只有3mm，冷却效率高；内孔的光洁度高，杂质不易粘在孔的内壁上，延长模具在线生产周期。

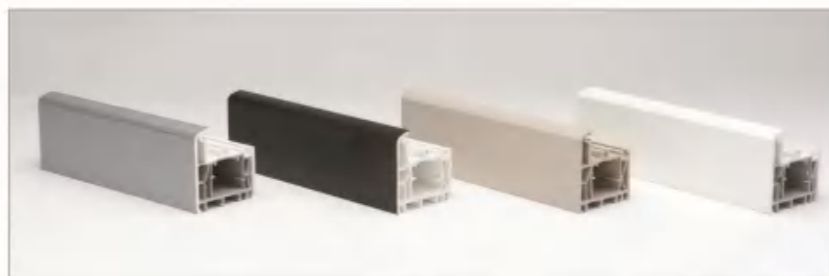
Calibrator is the key factor to affect the extrusion speed. Aona uses segmented and progressive shrinkage of design concept, all water vapor holes are processed by high-precision gun drill with high precision, the distance between the hole and the cavity is only 3mm, and the cooling efficiency is high. Because of the high smoothness of inner hole, impurities are not easy to stick, prolonging the on-line production cycle of the tooling.

多腔模具 Multi-strand Extrusion Tooling

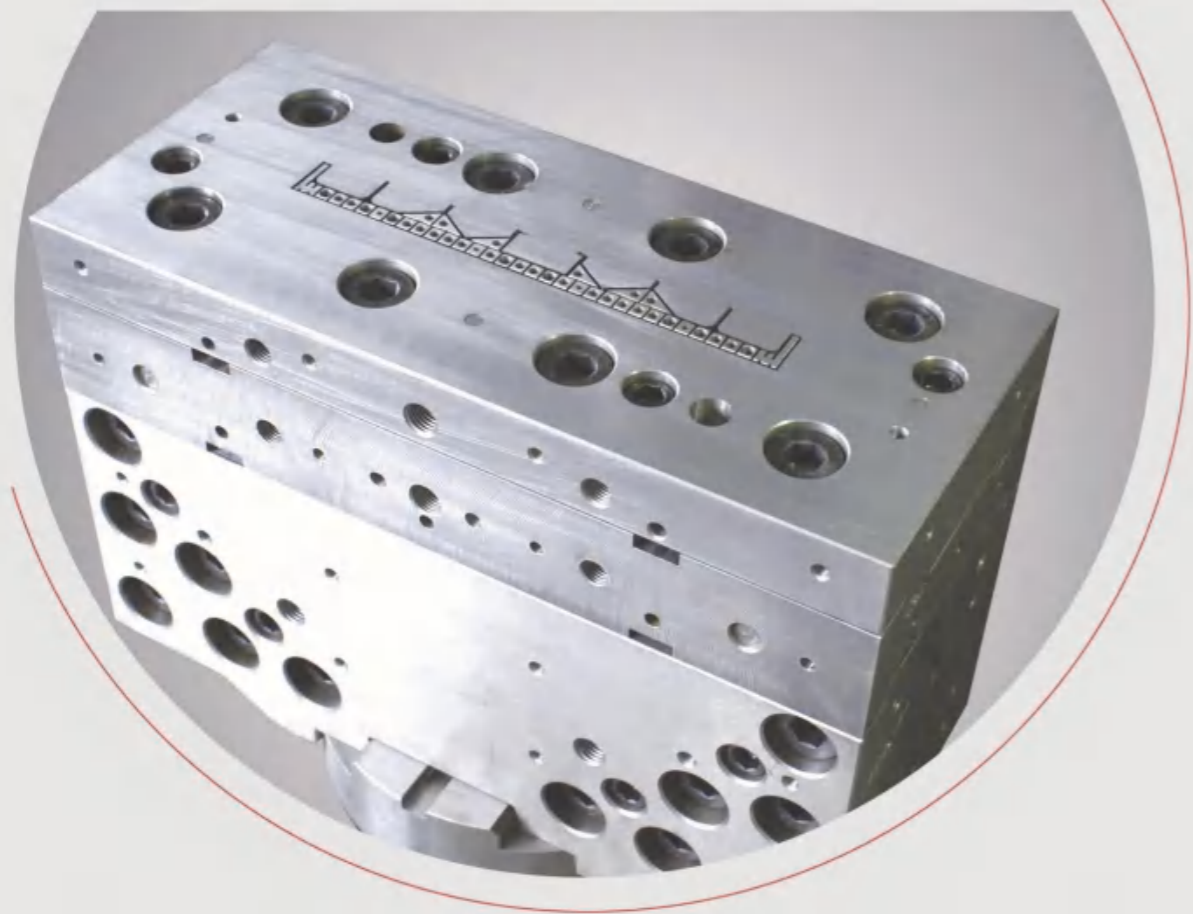


多腔模具的难点在于流程长物料易发黄、各腔的弯曲方向不一致、各腔出料不稳定，奥纳模具采用专利流道可以很好的解决上述问题。

The difficulties include technological process is too long, material is easy to become yellow, bending direction of each cavity is inconsistent, and the discharge of each cavity is unstable. Using patent design channel, Aona can successfully solve the above problems.



PANEL & SHEET TOOLING 板片材模具



板片材模具的设计难点在于机头如何做到压力均匀的分布，奥纳模具改变传统的分体式衣架式流道，采用整体式分流梭专利流道，这样设计的模具低速或者高速生产都很稳定，而且不会出现漏料情况。已经成功应用于宽幅畜牧板模具、波浪板模具、家具板模具、浴柜板模具、中空格子板模具、中空建筑模板模具等。

The difficulty design is how to achieve uniform pressure distribution of the die. Aona uses integral diverter shuttle patent channel instead of the traditional split coat hanger type flow runner. Not only ensure stable production at low speed or high, but also avoid leakage of material of die. It is widely used in the extrusion of animal husbandry panels, wave panels, furniture panels, bath cabinet panels, hollow panels, hollow building board, etc.

板材模具 Panel Tooling

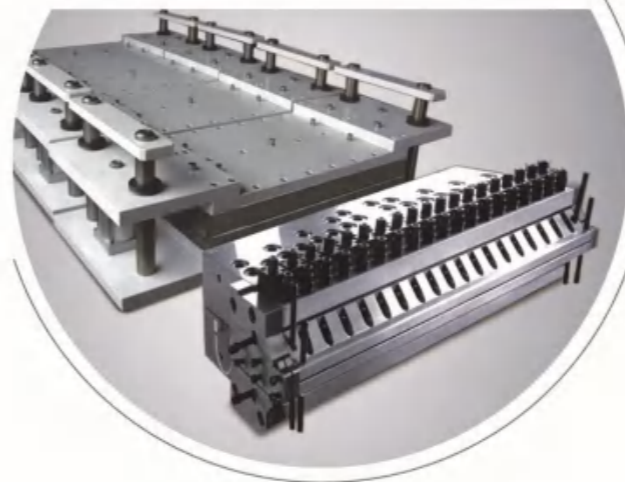


采用整体式分流梭专利流道制作的波浪板模具，低速或者高速生产出料都很稳定，而且机头后模体不会出现漏料情况，客户很满意。

Using integral diverter shuttle patent channel, not only ensure stable production at low speed or high, but also avoid leakage of material of die. The special design is well received among customers.

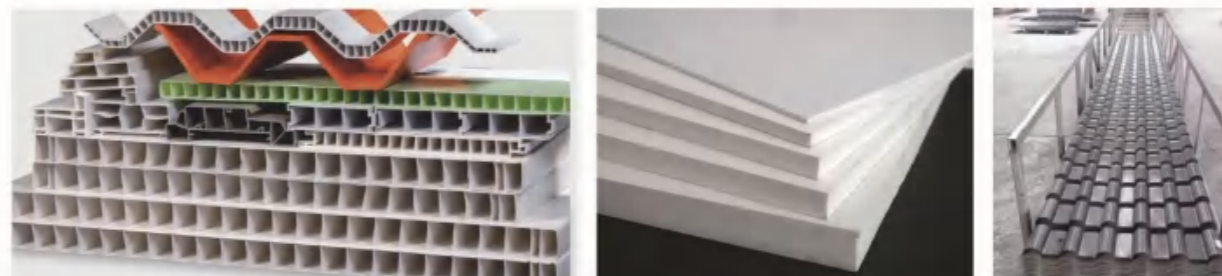


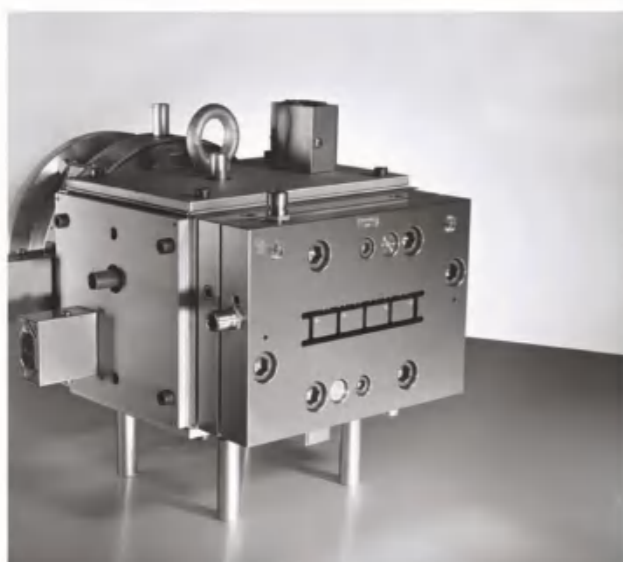
片材模具 Sheet Tooling



采用衣架式流道制作的片材模具，弹性模唇上密布的可调节压紧螺栓精确控制薄膜厚度，确保薄膜制品厚度均匀永无瑕疵。

Using coat hanger type flow channel, manual or automatic flexible die lip adjustments control precisely the thickness of the film and ensure a uniform and perfect film product.





FOAM WPC PROFILE TOOLING

发泡木塑型材模具



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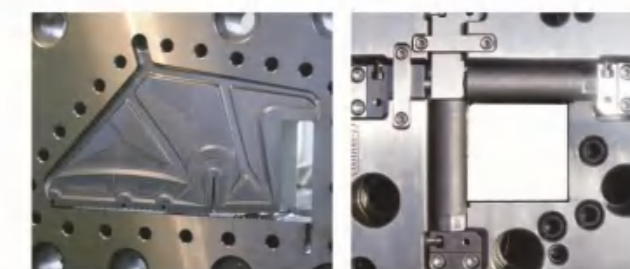
TOTALLY COVERED SURFACE CO-EXTRUSION TOOLING

全包覆共挤模具



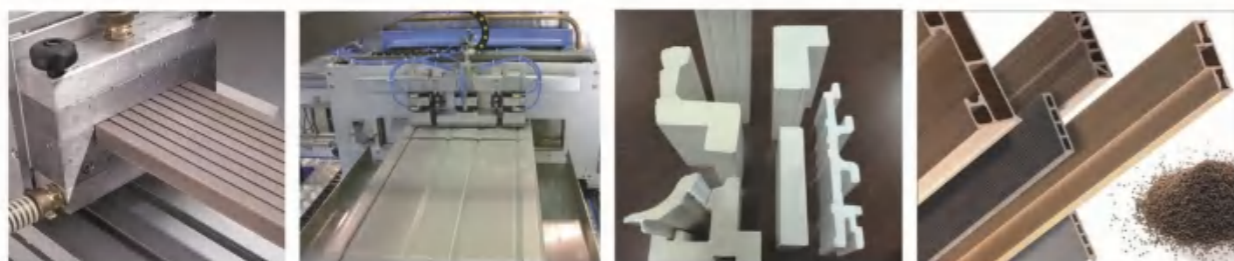
发泡木塑模具的设计难点在于机头压力的设计，合理的压力设计，可以保证型材密度、发泡的均匀性、生产的稳定性；奥纳模具可以根据客户的配方特性定制以下模具：结皮发泡模具、共挤发泡模具、钢塑共挤发泡模具、PVC木塑发泡模具、PE木塑模具等。

The difficulty design of foam WPC profile tooling lies in the pressure of die. Reasonable pressure design can ensure the profile density, foam uniformity and production stability; Aona provides special toolings according to the formula characteristics: hard surface foam tooling, co-extrusion foam tooling, steel & plastic co- extrusion foam tooling, PVC &WPC foam tooling, PE &WPC Tooling, etc.



奥纳模具秉持“压力尽量消耗在模唇出口”的设计理念，这样设计的流道始终有压力，不滞料，共挤表面光亮度高，生产稳定；对于表面亮度有特殊要求的，在模唇出口还可加柔性加热条，满足客户个性化需求。

Aona adheres to the design concept of "the pressure is consumed at the die lip outlet as much as possible". In this way, the designed runner always has pressure without material stagnation. The co-extrusion surface brightness is high and the production is stable. If there are special requirements for the surface brightness, flexible heating strip can be added at the die lip outlet to meet the personalized needs of customers.





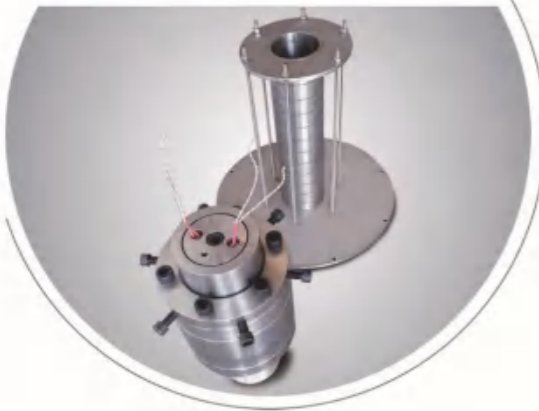
SPECIAL TOOLING

定制模具

CUSTOMER ORIENTATION PROGRESS INNOVATION

客户导向 创新进取

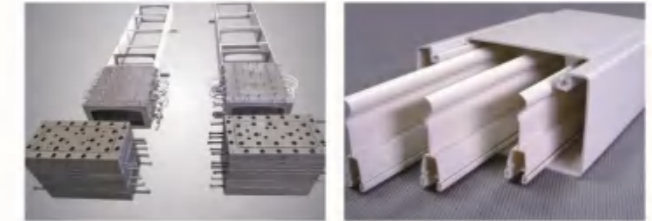
管材模具 Pipe Tooling



传统的管材定径套，真空槽宽，吸附阻力大，导致后续牵引阻力大，进而成品圆度不理想；我公司打破传统加工方式，采用窄槽真空，生产阻力小，圆度理想。

Because of wide vacuum groove and high adsorption resistance of the traditional pipe sizing sleeve, leads to large subsequent traction and unsatisfactory roundness. Aona breaks the traditional processing method, adopts narrow groove vacuum, with small production resistance and perfect roundness.

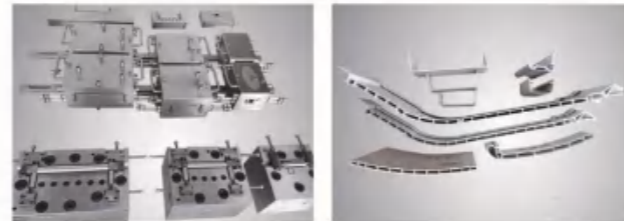
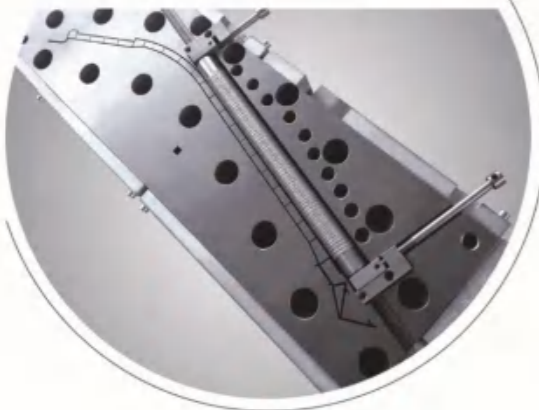
通讯模具 Telecommunication Tooling



各式形状的通讯模具：天线罩模具、梅花管模具、九孔管模具、线槽模具等。

All kinds of telecommunication toolings: radome tooling, plum tube tooling, nine-hole tube tooling, channel tooling, etc.

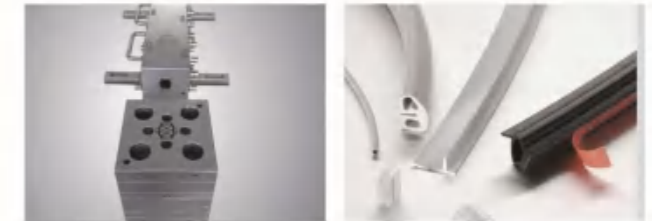
汽车零部件模具 Auto Parts Tooling



各式形状的汽车零部件模具：曲面压花模具、多面压花模具、胶条前共挤模具、胶条后共挤模具等。

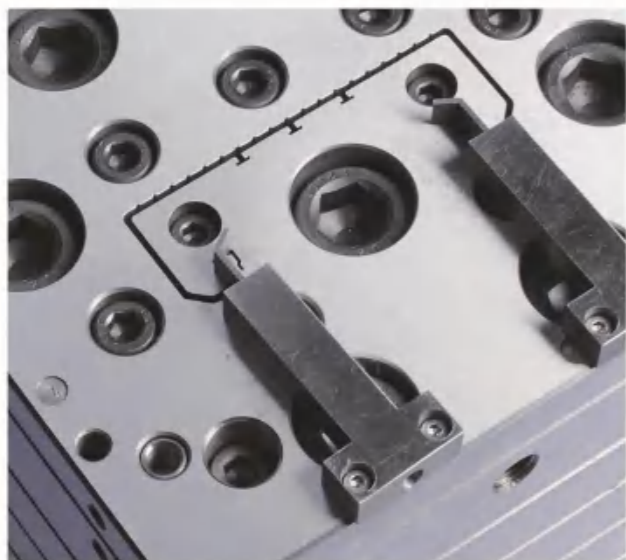
Various shapes of auto parts toolings: curved surface embossing tooling, multi face embossing tooling, glass bead front co-extrusion tooling, glass bead post co-extrusion tooling, etc.

其他模具 Other Toolings



奥纳模具可以根据您的构思设计专用模具，帮您创造效益，帮您实现理想。

Aona can satisfy customer's individual requirement, not only realizing your ideal, but also help you create high benefits.



TECHNICAL PROFILE TOOLING

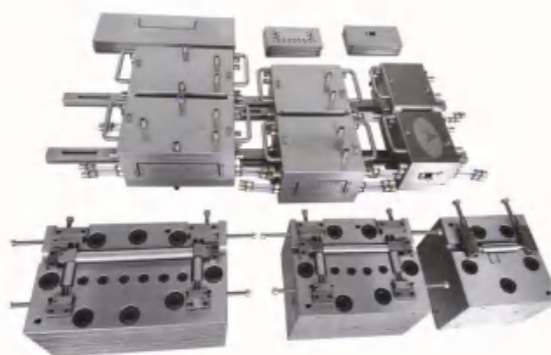
技术型材模具

HIGH PRECISION HIGH EFFICIENCY

高精密 高效率



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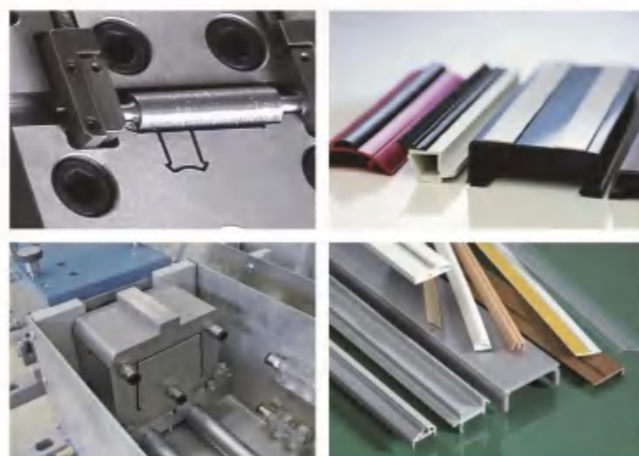


特殊的模具采用特殊的结构，保证生产出合格的制品，并且能连续稳定生产。

The special tooling adopts special structure to ensure the qualified products, and also continuous & stable production.



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细致入微的奥纳服务 Meticulous Service



奥纳始终把用户的利益放在第一位，想用户所想，急用户所急，为用户提供及时周到的售后服务队伍是我们不变的宗旨，用户的每一个问题，就是我们的问题，有问题奥纳当天予以答复，调试人员3天到达，为用户解决后顾之忧。

Customers first! It's our tenet to enjoy the most professional after sales service for users. Once there is a problem, Aona will reply on the shortest time, and arrive in with 3 days to solve the worries of users.