



The Tianyi Mould Company 天益公司简介

Welcome to Tianyi company, is renowned as "the excellent fan mould maker" by most of Huangyan district local mould manufacturers. The member of Sun-family work in the fan mould field continue decades. We also accept that our clients customize other all kinds of plastic injection moulds.

Be inspired by our Fan mould technology, our solutions and our competence and trust that you will find the future of intelligent developments at "the excellent fan mould maker" company.

We focus on system solutions for Fan mould application, are constantly looking for new applications for our products. As an innovation and quality leader, we constantly set new

Contact person Mr Lin Hua Add No. 2 Shuangqi Road, North city Industrial Zone, Huangyan District, Taizhou City standards in technology, service and design.

Our high quality standards and customer-oriented innovations inspire business partners all over world.

With ideas for new developments within and outside our Fan mould manufacturing, we want to be the leading Fan mould making in terms of technology, growth and profitability.

Our pioneering spirit and our striving for innovation encompasses all operational processes, because we not only have visions, we also put them into practice.

| Performance 性能 | fan diameter 叶片直径 | value 数量 |
|--|---|-----------------|
| Run out measurement 跳动 | ≤200mm | ≤0.15mm |
| | 200-500mm | ≤0.2-0.5mm |
| | 500--1000mm | ≤0.4--0.7mm |
| | ≥1000mm | ≤0.7mm-1mm |
| Tolerance of the center of circle move 偏心误差 | | ≤0.02mm |
| the data of dynamic balance 动平衡 | fan weight 重量 | gram/gram 克/克 |
| | ≤0.5kg | 1/3000---1/4000 |
| | 0.5----1kg | 1/2000---1/3000 |
| | ≥1kg | 1/1500---1/2500 |
| Calculation of machining dimensions 加工尺寸计算 | According Material forming shrinkage rate to calculate the precise dimensions on machining to follow above data 根据所用材料收缩比精确计算加工尺寸使成品符合上述指标 | |



Mould QC 模具质量控制

Tianyi Mould has very professional fan mould making team, all of them keep the strict QC responsibility, which are combined as different departments.

Tianyi Mould has a professional team by sales engineer being communicator for mould enquiry and commercial communication. This makes all your purchase easy and direct discussion of technical points. This avoids the translator job which delay your time and communicate of mould making and technical discussion.

These engineers are specialized in various project, such as Air conditioning mould production, ventilation equipment mould production, precision instrument mould, automobile and other fields, can offer internal breakdown list for each section quotation and specification data for detailed projects.

Tianyi Mould design department has 3D & 2D design department for mold and plastic parts develop. We offer prototype, R&D design service, Mold flow analysis and design feasibility analysis. Due to strong mould design team, we make in short time professional and correct mould successfully.

Machining department has more than 20 staffs, due to Tianyi Mould huge mould making capacity that annually deliver 500+ sets of fan moulds.

QC department controlled all the mould making components, such like purchased mold components dimension, machining mold components dimensions, molded plastic samples dimensions. No any error parts can be flow into the next step.

Project managing department who execute tooling standard, following project, report mould making status to sales engineer department, is one of the very important mould making management department.

Tianyi Mould still has more than 10 mould assembling teams, more than 30 staffs. Following strictly the mould design, good quality mould machining finishing, we carefully assembling all the mould components correctly. No hand work allowed in the process.



Mould Manufacturing style 制造风格

Tianyi Mould company has so many important points and all of them must be well done during the mold manufacturing.

The action included:

-Inquiry from customer before mold manufacturing.

During this processing, the communicators of both sides should offer the correct information or specification to be sure that the pricing and technical points are meeting buyer's requirements.

-During the Manufacturing, the designer needs to be responsible to make the mold design, he has to consider how the customer use this mould, how to design the mould into long life tool, how to design the related components to make it easier tooling during the Mould Manufacturing and higher precision.

-Mould components machining during the Mold Manufacturing.

The machine operators with strong responsibilities, then the mould components can be precise enough to meet the drawings tolerance requirements. Here the responsibilities are indicated by careful steel installation, rigorous machining process following and rigorous dimension controlling during and after the machining. Eliminate the wrong points into the next process to ensure the delivery time of the order.

-Mould components dimension controlling after the machining. During the Manufacturing, the cavities, cores and other mold components, after the machining, they need serious dimension controlling. QC team is responsible to be sure that all the dimensions are according with the drawings.

-Mould assembling workshop, all of them they need to be responsible to be sure that the Mould Manufacturing is successful and the delivered mould is top quality according with company standard.

Tianyi Mould is a responsible mold manufacturer, this kept company continues developing, and Tianyi fan mould teams are keeping the biggest responsibilities to customer, considering the customer's willing, doing what customer needs. And Tianyi People are also known locally responsible for themselves, for their family, for their organization and for their community.

Tianyi R&D Ability 研发能力

During past more than decades years, Tianyi has already gained 5 certificate of patent in fan mould design, fan mold structure making, plastic components of fan system invention.

R&D for plastic injection fan mould, R&D for plastic fan molding technologies, have achieved solution like gas assistant plastic molding technologies, water injection plastic fan molding technologies, high light injection fan molding, and so on. All these are the latest plastic industry technology in Europe. Therefore, tianyi is ranking the top of Chinese fan mold makers and gain a unique advantage of the fan molding market.

Thanks to our long term developed experience for plastic fan moulds, Tianyi mould company becomes Chinese one of professional plastic fan molding technologies and fan mould supplier. With important issues and key points for moulds manufacturing with good and accurate dimensions.

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Tianyi Mould has the rigorous molds manufacturing process which worked out according with ISO9001 management system combined with so many years moulds manufacturing experience, Tianyi is famous for our Dozens of special fan mold structure and advanced plastic injection molding technology solutions.

We also provide free international fan mold technical consulting services

Tooling Equipment List 加工设备清单

Due to strong mold tooling capacity and wide mold tooling range, Tianyi success among the fan

| Name | Brand | Type | Num. | Country | Stroke |
|------------------------------|--------------------------|-----------|------|---------|------------------|
| 3D CAD/CAM 3D | UGS | UG | 7 | USA | |
| | PTC | PRO-E | 5 | USA | |
| AUTO CAD 2D | AUTO | | 7 | CHINA | |
| CNC MILLIN G MACHINE | KAFO | VMM-15800 | 1 | TAIWAN | 15800*800*800mm |
| | KAFO | MV-1100 | 1 | TAIWAN | 1100*600*600mm |
| | KAFO | MM-1500 | 1 | TAIWAN | 1500*800*800mm |
| | WINTEC | VV-55 | 1 | TAIWAN | 800*500*610mm |
| | HANLAN | XK-7150 | 1 | CHINA | 1100*600*650mm |
| | HAITIAN | HTM-1500G | 3 | CHINA | 2000*1500*1500mm |
| DEEP HOLE DRILIING | ZONJET | DHD-2160 | 1 | CHINA | 2200*1400mm |
| | ZONJET/ | DHD-2130 | 1 | CHINA | 1800*1000mm |
| SPROTING MACHINE 合模 | SHUNXING | SX300JM | 1 | CHINA | 300TON |
| ENGRAVING MACHINE | BEIJING JINGDIAO 北京精雕 | 600V_AU | 3 | CHINA | 650*650mm |
| | | CNC500 | 1 | CHINA | 560*290mm |
| | | 400V_AU | 1 | CHINA | 490*430mm |
| LINE CUTTING MACHINE 线切割机 | SODICK | DK7632 | 4 | JAPAN | 500*350*270mm |
| | HUAFANG | DK7732 | 2 | CHINA | 350*450*400mm |
| | HUAFANG | DK7750A | 2 | CHINA | 1000*500*800mm |
| | TAIFENG | DK7763 | 1 | CHINA | 600*630*800mm |
| | YOUBANG | DK77 | 2 | CHINA | 400*500*600mm |
| EDM MACHINE 电火花 | JINCHI | EDM-550 | 2 | CHINA | 1600*950*750mm |
| | BOHONG | D-7150 | 5 | TAIWAN | 800*500*600mm |
| | ACKSPARK | SP1 | 1 | SWIDEN | 320*500mm |
| TURRETMACHINE 炮塔铣 | HDCNC | X63258 | 2 | CHINA | 1370*254mm |
| | QIRUDA | ORD-3S | 1 | CHINA | 1270*700mm |
| INJECTION MACHINE 注塑机 | FCS DOT | FT-60 | 1 | TAIWAN | 60T |
| | FCS DOT | FT-250 | 1 | TAIWAN | 250T |
| | FCS DOT | FT-520 | 1 | TAIWAN | 500T |
| BALANCING MACHINE | JIUER | RG-683 | 3 | CHINA | |

mould tooling supplier and is always the special one who challenge the world leading mold

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tooling capacity, first class quality standard and latest mold technology skills.

Tianyi use high quality tooling equipment to gain high precision molding tooling effect and therefore, keeps the best position of high quality China mold maker.



Views and Mission 愿景和使命

We always aim to develop optimum fan mould solutions for every industry and every area of application that are particularly energy-efficient, last a long time, save electricity and operating costs, and are significantly quieter than comparable products on the market.

In many of our innovations, our engineers and technicians have taken their inspiration from nature, for example the wings of The owl. Such a bionic design enables particularly efficient solution concepts which, like all other product innovations, we continue to optimize technically in our Invent development center - until they fully meet our high expectations and those of our customers.

Production Series 产品系列

1

Turbine Centrifugal Fans Blades Mould

1. Tilting forward centrifugal vortex fans mold for impeller
2. Tilting back centrifugal vortex fans mold for impeller



2

Tubular Fans Sheet Blades Mould

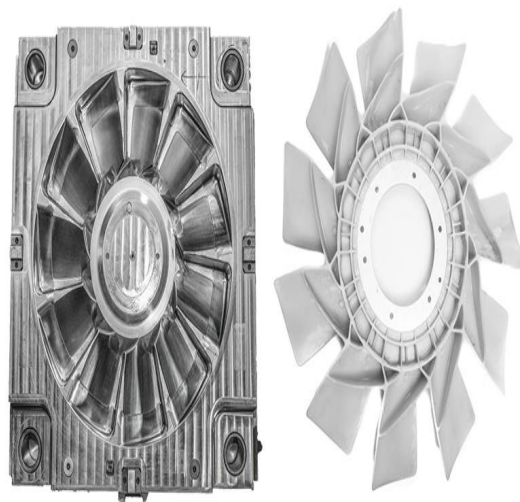
1. Fans blades of hanging air conditioning
2. Fans blades of vertical air conditioning
2. Fans blades of the wind curtain machine



3

Axial Fans Blades Mould

1. Mould of axial fans for home appliance
2. Mould of axial fans for automobile



4

Centrifugal Fans Blades Mould

1. Single-head centrifugal fans blades mould
2. Double-head centrifugal fans blades mould

