

# 昶丰机械科技

Dongguan CFine Machinery Technology Co., Ltd.

MIM 金属粉末 CIM 陶瓷粉末 喂料混炼设备  
MIM CIM Feedstock Mixing and Granulating Equipments



密炼机 kneader

造粒机 granulator

水口料专用造粒机  
Granulator for Injection  
Mould Outlet Material

喂料合批造粒机  
Combining Batch feedstock  
mixing and granulating equipment

**追求卓越品质 提高创新意识**  
Strive for Excellent Quality Improve Innovative Spirit

## 公司简介 Company profile

东莞市昶丰机械科技有限公司是专业从事研发设计、生产销售、售后维修服务为一体的金属粉末冶金及陶瓷粉末喂料混炼机械设备科技企业。公司设有独立的实验室，可提供给客户参观、试配方、打样。专业的研发设计团队可满足客户的特殊非标要求，量身定做机型，雄厚的技术实力及先进齐全的加工设备，训练有素的生产制造专业团队，结合现代化的管理模式，方便快捷的售后服务，促使我们的产品销往全国各地，同时也得到了广大客户的认可与好评！

昶丰专业生产MIM金属粉末冶金及陶瓷粉末喂料混炼机械设备(密炼机造粒机组)，是该行业最佳喂料混炼机械设备。昶丰不断提高综合竞争能力，**在MIM金属粉末冶金及陶瓷粉末喂料混炼机械设备同行业中是最强有力的竞争对手。**

昶丰也被同行誉为新世纪机械制造研发行业的梦之队，在市场上树起昶丰的创新大旗！更获国家高新技术企业，也见证着昶丰的研发和生产实力。

昶丰正以锐不可挡之势，宣扬着品牌的骄傲！

强烈的事业心以及社会使命感，更是昶丰永不枯竭的发展源泉！

**昶丰总经理舒飞龙先生郑重承诺：**

**以做人的品格，产品的质量，服务的水准，就是昶丰的品质**

**并坚信只有高尚的企业才能长远发展 ----**

Dongguan Cfine Machinery Technology Co., Ltd. Is a professional feedstock mixing and granulating equipments manufacturer that specialized in manufacturing ,R&D, sale, and after - sale & maintain for metal powder metallurgy and ceramic powder. We are warmly welcome customers to visit, test the formula and make sample in our independent laboratory. We have very professional R&D team to meet the special requirements of customers , to custom-made the machine. We have strong technical strength, full range of advanced equipments and well-trained manufacturing team, together with modern management mode , convenient and swift after-sale service, thus our machines are sold all over the world, obtained accordant appreciation by the clients and we had established long-term and stable relationships of cooperation.

We are the best choice for the MIM / CIM feedstock mixing and granulating equipments, and we will continue to work hard and innovate towards the most overall strength.





## 气氛保护密炼机（钛合金密炼机） Protection atmosphere inner mixer



### 产品特点 Product features

- 超合金内腔全新换装，Superalloy inner chamber, a new upgrade!
- 密炼室可以完全打开，清理物料无死角。The inner chamber can be fully open, easy to clean without any dead ends.
- 设备采用PLC控制系统，系统可结合预先设定值及实时检测，智能操作正压排出工作中的氧含量，并自动补给惰性气体。By adopting PLC control system to connect the preset values and the the detection values, with intelligent operation to discharge the oxygen content in positive pressure, and recharge inert gas automatically
- 双层气氛保护装置，混炼过程中处于气氛正压状态。With double atmosphere protection device, the mixing process is in the condition of positive pressure



## 开合式密炼机 CF-1L/3L/5L/10L

### Open-close type Kneader



#### 产品特点

#### Product features

- 新一代开合式密炼机，又一密炼设备的革新，本设备以转子两端面为分离面，采用油压系统自动锁紧，轴子可方便取出。打破了传统密炼机清理难，换色难，维修难。设备结合PLC软件控制，使工艺流程简化，连续生产便于控制。

New generation Open-close type kneader, it is an innovation in kneading equipment. For this equipment, the both ends of the rotor is the separating surface, and with oil pressure system to lock automatically, the roller is easy to take out. It is broken from tradition for mixing machine that difficult to clean, color changing, and repair. It is controlled by PLC software, to make the process more simplified and easy to control in continuous production process.

- 开合式密炼机针对高硬度，金属粉末，易污染的氧化锆，氧化铝等开发设计内腔物料接触部分全部喷涂进口碳化钨，有效提高密炼机的使用寿命，控制了物料污染所造成的致命困扰。

Open-close type kneader is developed and designed for high hardness, metal powder, contaminated Zirconia, Alumina etc. The inside for the contact part of the material is with imported Tungsten-carbide coating, it is increased the service life of the kneader effectively, and prevented the contamination of the material.

以快速分离，方便清理，超耐磨等几大点，取得了MIM金属粉末CIM陶瓷粉末专家的一致好评！

## 金属粉密炼机 CF-1L/3L/5L Metal Powder Kneader



### 产品特点 Product features

- 用于陶瓷、金属粉末、等各原料的搅拌，捏合，分散。  
Suitable to mix, knead and disperse the ceramic and metal powder, and all kinds of material
- 新型防漏粉设计，拆取更换方便。  
New powder leak-proof design, and easy to change or take out.
- 全新加热 冷却系统，升温快，冷却效果好。  
New heating and cooling system, warming faster and good cooling performance.
- 针对金属粉末，陶瓷行业，使用本公司新型实用专利技术，物料接触部分，喷涂超耐磨合金处理，大大提高机器使用寿命。  
Suitable for ceramic and metal industry, with utility model patents of our company, the inside of the contact part for the material is coated with ultra wear-resisting alloy, greatly increase the useful life.



## 生产型密炼机 CF-10L/15/25L

### Production Kneader



#### 产品特点

#### Product features

- 本系列密炼机采用椭圆剪切型转子，转子工作表面堆焊耐磨硬质合金，密炼室内表面和上顶工作面均镀铬处理，耐腐蚀，抗磨损，使用寿命长。  
Using elliptic shear rotor, the surface of the rotor is coated by wear-resistant surfacing hard alloy, chromate plated for the inside of the mixer chamber surface, abrasion resistant and corrosion resistance, and increase the useful life.
- 转子、密炼室和上顶栓采用循环通道结构以实现热传导介质的循环，根据不同的生产工艺要求，可通过蒸汽导热油或电加热冷却水对物料进行加热或冷却。  
Adopted circulation channel structure to achieve the heat conduction medium circulation for the rotor, the mixer chamber and the top peg. According to different requirements of production process, via steam, oil, electric heater or cooling water to cooling or heating.
- 密封采用先进密封。  
Advance sealing system
- 上顶栓通过气缸对物料施加压力，强制物料均匀密炼，提高生产效率。  
the top peg put pressure to the material by cylinder, forced to knead the material evenly to increase productivity.

金属粉/陶瓷粉单螺杆造粒机 CF-45/60/85/100  
Metal & Ceramic Powder single screw granulator



产品特点  
Product features

- 专业针对高硬度、高强度、抗耐磨性极强的物料造粒  
Especially for high hardness, high strength and very strong abrasion resistance granulating material.
- 采用强制双腕喂料，对混合好的金属团状物进行强制喂料、减少了传统式金属粉造粒还需要另外破碎的环节  
Two rolls to force feeding the mixed metal material, and decreased the step of crush in traditional metal powder granulating.



## 陶瓷专用造粒机 Ceramic Powder Granulator



### 产品特点 Product features

- 与物料接触部分材质为耐磨合金，且表面光滑，不会对陶瓷物料产生污染。  
The inner chamber that contact the material is made with wear resistant alloy, and with smooth surface, so the pollution will not be caused during the production for ceramic material.
- 采用38CrMoAlA合金钢氮化72小时处理,抛光表面喷涂硬质合金。  
By using 38CrMoAlA alloy steel with 72 hours processed by nitriding, then polishing the surface and finishing with hard alloy.
- 密封性良好，不漏料、溢料，便于清理。  
With good sealing, no leakage, no overflow, and easy to clean up.

## 分体式密炼造粒组合生产线 Split kneading and granulating production line



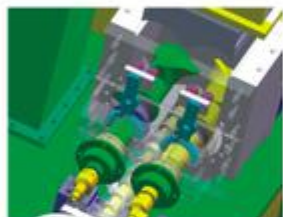
### 产品特点 Product features

- 本机组采用密炼机、提升机、造粒机三机组合为一体，减少人工，操作方便  
This production line is combined by kneader, conveyor and granulator to reduce the manual work, and easy to operate.
- 专业针对高硬度、高强度、抗耐磨性极强的物料造粒  
Especially used for high hardness, high strength and very strong abrasion resistance granulating material.
- 采用强制双腕喂料，对混合好的金属团状物进行强制喂料，减少了传统式金属粉造粒还需要另外破碎的环节  
Two rolls to force feeding the mixed metal material, and decreased the step of crush in traditional metal powder granulating.





## 密炼造粒一体机 CF-3L/5L/10L Combined Mixer-Granulator



### 产品特点 Product features

- 针对MIM金属粉末CIM陶瓷粉末行业设计,内腔物料接触部分全部喷涂进口碳化钨,有效提高密炼机的使用寿命,控制了物料污染所造成的致命困扰。  
Designed for MIM and CIM. The inside for the contact part of the material is with imported Tungsten-carbide coating, it is increased the service life of the kneader effectively, and prevented the contamination of the material.
- 真正做到密炼造粒完美结合,设备结合PLC软件控制,使工艺流程简化,连续生产便于控制,设备占地面积小,减少人力,能效降低,维护方便。  
It is a perfect combination in kneading and granulating, controlled by PLC software, to make the process more simplified and easy to control in continuous production process. With small occupation area, this equipment can reduce the labor but enhance the productivity, and easy to maintain.

## MIM水口料专用造粒机 MIM Outlet Material Granulator

型号 (Model No.) : CF-70SKZLJ

产能: 约200KG/H

Capacity: about 200KG/H

型号 (Model NO.) : CF-50SKZLJ

产能: 约100KG/H

Capacity: about 100KG/H



### 产品特点 Product features

- 针对MIM金属粉末注塑成形水口料回收造粒而设计  
Especially Designed for Recycling and Granulating the Metal Powder Injection Mould Outlet Material
- MIM水口料专用造粒机优势 MIM Outlet Material Granulator Advantages
  - 1.无噪音, 无粉尘, 配方的配比不易流失 Without noise and dust, the matching of the formula is not easy to loss
  - 2.再次注射流动性较好 Good liquidity when reuse
  - 3.注射螺杆使用寿命提高 Increased the useful life of the injection screw
  - 4.回收利用率次数增加倍数 Increased the number of times of the recycling and reusing rate

## MIM喂料合批混炼造粒机

## MIM Combining Batch feedstock mixing and granulating equipment



### 产品特点 Product features

- 本机设有混炼段、使颗粒料二次混炼更均匀。  
This machine is equipped with mixing section, make the grain secondary mixed more evenly.
- 特殊设计高扭矩挤出，喂料至密度更高。  
Special design of high torque extrusion, make the feeding density is higher.
- 将多个批次喂料进行合批混合、造粒、确保最终喂料每个颗粒的均匀性相同。  
Multiple batch feeding for batch mixing & granulating, ensure that the final feeding uniformity of each particle is the same.
- 本机适用于大批次喂料的最后合批造粒，解决每批次之间的差别，以达到每个颗粒的均匀性。  
The machine is suitable for large Numbers of times feed granulation, solve the difference between each batch, in order to achieve the uniformity of each particle.

昶丰不断提高创新意识，荣获多项专利产品  
CFine continue to improve the sense of innovation and  
gained the patents for several products:



国家新型专利产品

密炼机超耐磨喷涂 (实用新型: 201320747073.8)

Super wear-resistant coated kneader (Utility Model Patents:201320747073.8)

密炼造粒一体机 (实用新型: 201520905507.0)

Combined mixer-granulator(Utility Model Patents:201520905507.0)

密炼造粒一体机 (发明专利: 201510066512.2)

Combined mixer-granulator(Patent for invention:201510066512.2)

开合式密炼机 (实用新型: 201620203671.2)

Open-close type Kneader(Utility Model Patents:201620203671.2)

开合式密炼机 (发明专利: 201610150998.2)

Open-close type Kneader(Patent for invention:201610150998.2)

水口料专用造粒机 (外观专利: 201630052413.4)

MIM outlet material granulator(Appearance Patent:201610140631.2)

水口料专用造粒机 (实用新型: 201610140631.2)

MIM outlet material granulator(Utility Model Patents:201610140631.2)

水口料专用造粒机 (发明专利: 201620190074.0)

MIM outlet material granulator(Patent for invention:201620190074.0)

连续式混炼机 (实用新型: 201620592522.X)

Continuous Compounding Extruder (Patent for Utility Models : 201620592522.X)

连续式混炼机 (发明专利: 201610432073.7)

Continuous Compounding Extruder (patent of invention : 201610432073.7)

气氛保护密炼机 (钛合金密炼机) (外观专利: 201730042871.4)

Protection Atmosphere Inner Mixer(Titanium Alloy Banbury Mixer) (Design Patent : 201730042871.4)

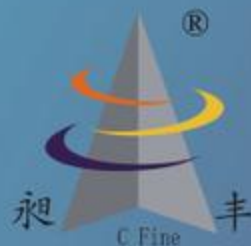
气氛保护密炼机 (钛合金密炼机) (实用新型: 201611176197.X)

Protection Atmosphere Inner Mixer(Titanium Alloy Banbury Mixer) (patent for utility models : 201611176197.X)

气氛保护密炼机 (钛合金密炼机) (发明专利: 201621393834.4)

Protection Atmosphere Inner Mixer(Titanium Alloy Banbury Mixer) (patent of invention : 201621393834.4)





logo设计寓意：

中文名：昶丰(changfeng)

昶：长久、舒畅、畅通

丰：丰收、丰盛、盛大

中间火箭形状寓意：蓄意待发，蒸蒸日上

三条半环与火箭形成“丰”字，暗喻红红火火丰收之意

整体LOGO表现了整个团队团结一心，向全球化发展的目标

**The concept for the design of "C Fine LOGO":**  
**Get Ready to Strive, Thriving to Success, Team**  
**work together to achieve the development all**  
**over the world**

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