



# 砂型3D打印智能生产线

## SAND 3D PRINTER



中立鼎增材技术（广东）有限公司

CH LEADING ADDITIVE MANUFACTURING (GUANGDONG) CO.,LTD.

## 公司简介 About Us

中立鼎增材技术（广东）有限公司是一家专注于3D打印装备研发、制造、销售和服务的高新技术企业，由3D打印技术和数字化智能装备经验丰富的专家团队发起创立的，创始团队在3DP技术行业深耕多年，在砂型3DP和陶瓷3DP产业化领域掌握了核心技术，积累了非常丰富的实战经验，自主创新，具有完全知识产权，技术成果在全国靠前。

CH Leading Additive Manufacturing (Guangdong) Co.,Ltd.(CH Leading) is a high-tech enterprise specializing in the research and development, manufacturing, sales, and service of 3D printing equipment. It was founded by an experienced expert team in 3D printing technology and digital intelligent equipment. The founding team has been deeply involved in the 3DP technology industry for many years, and has mastered core technologies in the industrialization of sand mold 3DP and ceramic 3DP. They have accumulated rich practical experience, independent innovation, complete intellectual property rights, and technological achievements are among the top in China.



## 经营范围 SCOPE OF BUSINESS

3D 打印技术解决方案及装备研发制造  
3D printing technology solutions  
and equipment development and manufacturing

数字化智能化制造技术产业化应用研发  
Digital intelligent manufacturing  
technology industrialization  
application research and development



## 企业文化 CORPORATE CULTURE

**企业愿景:**  
让复杂的产品简单化柔性化。  
**Corporate Vision:**  
Make the birth of complex products  
more simple and flexible.

**企业使命:**  
为客户提供技术更好、附加值更高、  
性价比更优、竞争力更强的解决方案和产品。  
**Corporate Mission:**  
To provide customers with better technology,  
higher added value, better cost performance  
and more competitive solutions and products.



## 知识产权 INTELLECTUAL PROPERTY RIGHT



发明专利 12 Pcs  
Patent of invention



实用新型 11 Pcs  
Utility model patents



软著 2 Pcs  
Software copyright



商标 8 Pcs  
Logo

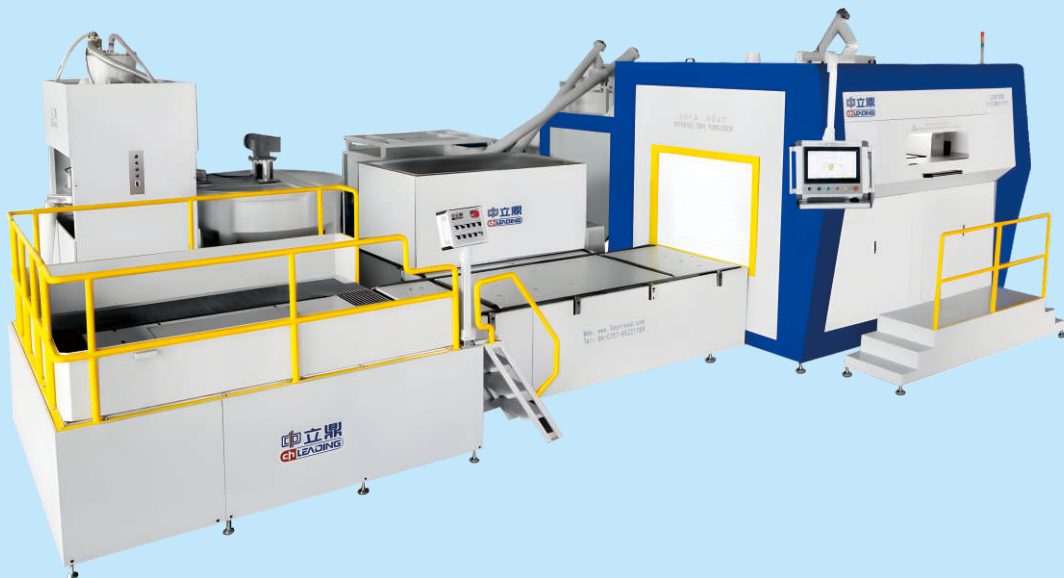
## 砂型3D打印机 SAND 3D PRINTER

▶ 专利产品 PATENTED PRODUCTS

▶ 技术优势 TECHNOLOGY LEADERSHIP

▶ 成本优势 COST ADVANTAGE

▶ 智能生产线设计 INTELLIGENT  
PRODUCTION LINE DESIGN



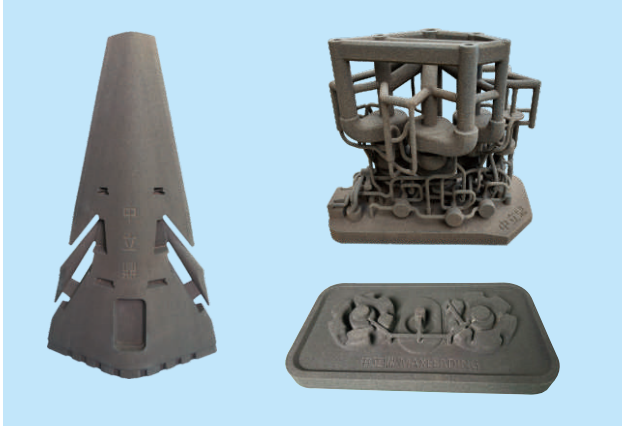
## 技术参数表 TECHNICAL PARAMETES

型号 Model	L121006	L181007	L201208 高速版(High Speed Version)	L201208 PLUS	L251510 高速版(High Speed Version)	L251510 PLUS
成型尺寸(mm) Forming Size	1250x1000 x600	1800x1000 x700	2000x1200 x800	2000x1200 x800	2500x1500 x1000	2500x1500 x1000
打印速度 (秒/层) Printing Speed (S/Layer)	13	19	15	13	19	13
打印效率 (L/H) Printing Efficiency	104-173	102-170	173-288	199-332	213-355	312-519
满箱打印 时间(H) Full Box Printing Time	4.3-7.2	7.4-12.3	6.7-11	5.8-9.1	10.5-17.5	7.2-12
打印 分辨率(DPI) Printing Resolution DPI	400x300 或 400x400 或 400x600 或 400x800 (可调) (Adjustable)					
砂型精度(mm) Sand Mold Dimensional accuracy	$\pm 0.3$					
打印厚度(mm) Print Layer Thickness	0.1-0.6 (可调) (Adjustable)					
打印材料 Printing Materials	硅砂(石英砂)、陶粒砂、宝珠砂、CB砂 (Silica sand, Calcined sand, CB sand, Ceramic sand)					
粘结剂 Binder	无氮呋喃、无机粘结剂 (Nitrogen-free Furan, Inorganic Binder)					

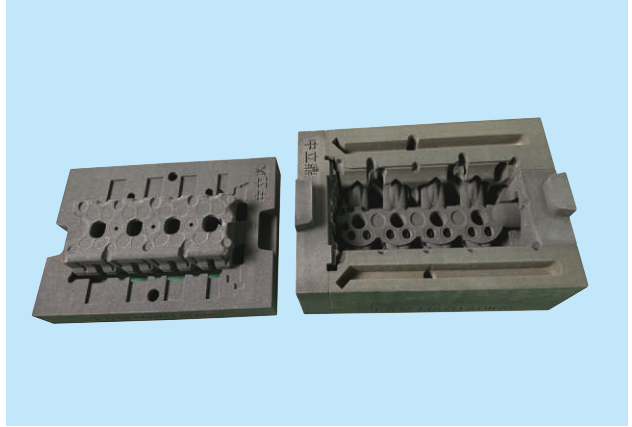
### 说明 Description :

- 1、Plus版是更高配置的3D打印机+AGV+自动清砂+数字化工厂；  
Plus version is a higher configuration 3D printer + AGV + Auto sand cleaning + Digital factory.
- 2、其他规格可以接受定制。  
Other specifications are available for customization.

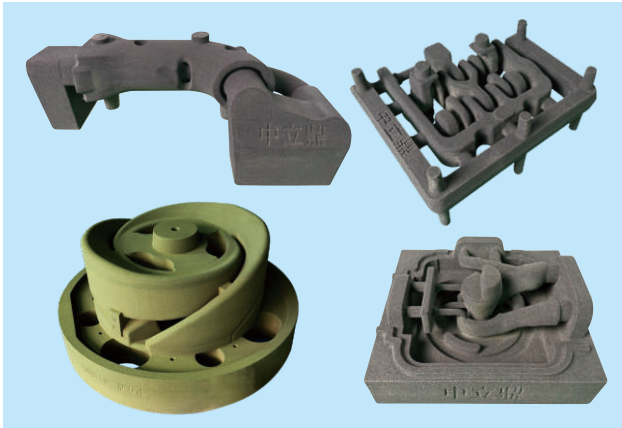
## 应用场景 APPLICATION



航发航空航天  
Aero-engine Aviation Aerospace



内燃机  
Engine



泵阀  
Pumps and valves



模具  
Mould



新能源  
New energy



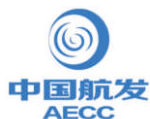
文创雕塑  
Cultural and Creative sculpture

## 选择中立鼎的优势 ADVANTAGES OF CH LEADING

- 1、打印速度更快！打印效率同比提高50%以上。  
Faster printing! Over 50% increase in printing efficiency year-over-year.
- 2、使用和维护成本更低！喷头消耗更少；铺粉多余料全方位自动收集，节约催化剂；打印主机自配空调系统。  
Lower cost of use and maintenance! Printing head consumption is less; laying powder excess material can be collected automatically in all directions without wasting catalyzer; printing host is equipped with its own air conditioner.
- 3、喷头使用寿命更长！自主研发的专用粘结剂，对喷头的腐蚀性更小。  
Longer printhead life! Self-developed special binder, less corrosive to the printhead.
- 4、打印质量更好！防断裂3D打印专利设计。  
Better print quality! Patented anti-fracture 3D printing method.
- 5、打印精度更高！  
Higher printing accuracy!
- 6、运行更稳定！  
More stable operation!
- 7、智能化程度更高！模块化+智能生产线+远程维护。  
More intelligent! Modularity + Intelligent production line + Remote maintenance.
- 8、操作使用更方便！打印工艺参数配方化。  
More easy to operate! Formulation of print process parameters.

## 部分客户案例

## SOME REPRESENTATIVE CUSTOMER CASES



中国航发南方工业



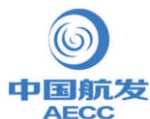
中国工程物理研究院



荆龙航天



SIU



中国航发贵州红林



文上海伟



超达装备



IQB



让复杂的产品简单化柔性化

Make the birth of complex products more simple and flexible



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