AMSKY

PRINTING YOUR DREAMS

3D PRINTING

GUANGZHOU AMSKY TECHNOLOGY CO., LTD.

Add：3/F, No. 2 Building, CHINT Centre, No. 560 Yueming Road, Hangzhou, China（3D Printing Dept.）

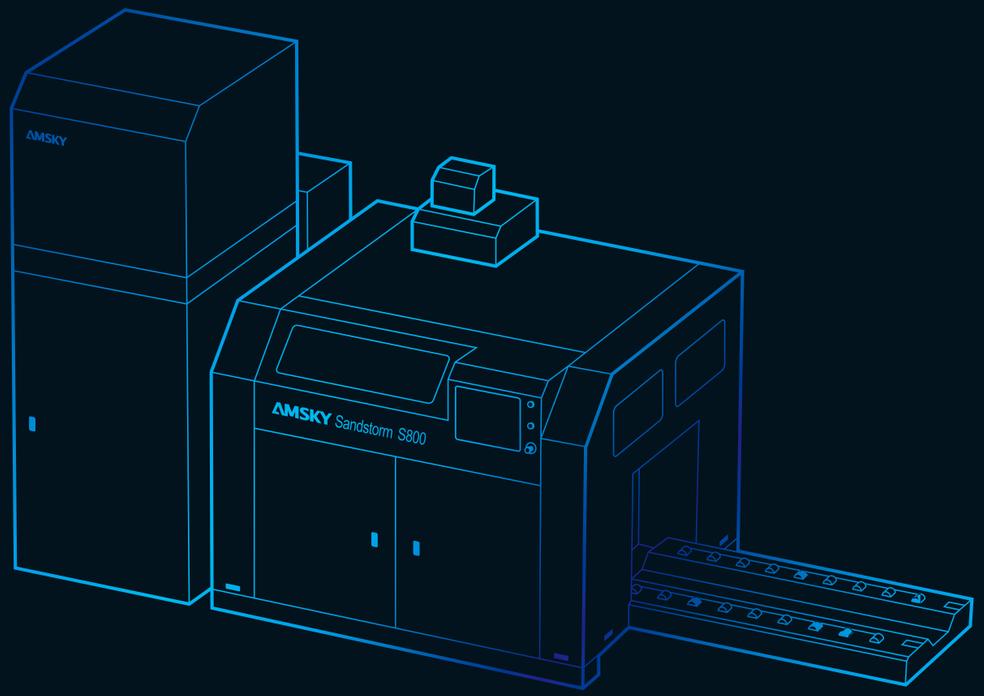
Sales line：13216160505　E-mail：3Dprint@amsky.cc　Http://www.amsky.cc/

AMSKY

Stock code 300521

SANDSTORM S800

The First Sand Type 3D Printer with Self-produced Print Head in China



COMPANY INTRODUCTION

Guangzhou Amsky Technology Co., Ltd. (hereinafter referred to as Amsky Stock code:300521) was founded in 2006 and officially listed on GEM in Shenzhen Stock Exchange in 2016.

Amsky, as a new hi-tech enterprise who commits to the development and research of core technology for industrial printing, as well as the integration of multi-technology (including MEMS, high-power laser, precision manufacture and intelligent control), always sticks to subverting the traditional manufacturing industry with digital, intelligent and green printing technology, striving for returning to the nature and making the world better. At present, Amsky has grasped three core technologies namely piezoelectric ink-jet printing technology, laser technology and precision motion control system, and has been awarded 3 patents for invention, 61 patents for utility models and 34 software copyrights.

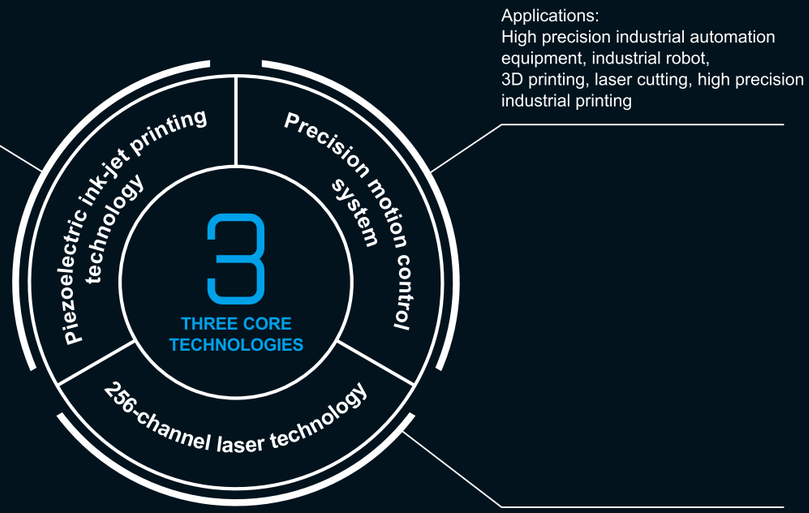
Amsky cooperates closely with many domestic key universities in a number of fields.

北京大学 PEKING UNIVERSITY

浙江大学 Zhejiang University

浙江工业大学 Zhejiang University of Technology

河北工业大学 HEBEI UNIVERSITY OF TECHNOLOGY



TECHNICAL ADVANTAGES

Amsky-developed and produced print head
(the first enterprise in China)

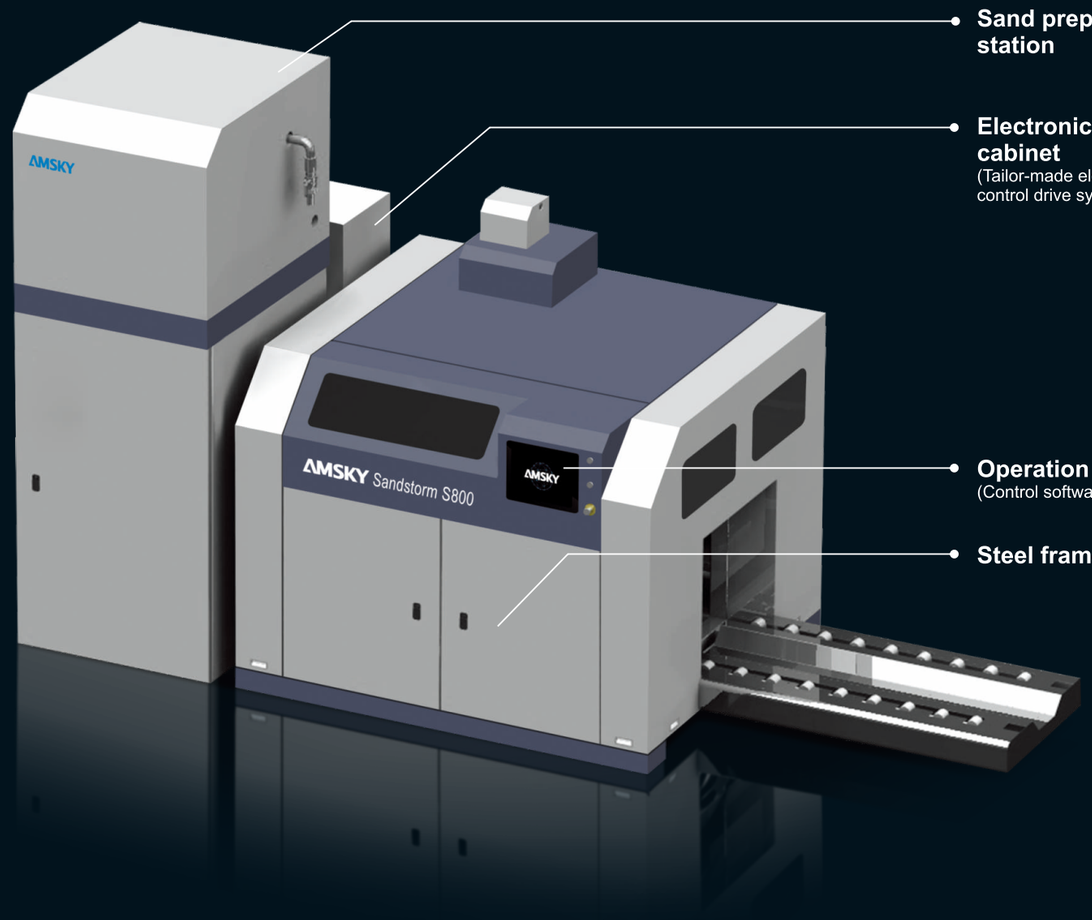
Low maintenance cost

25 seconds per layer building speed

Steel frame + Linear motor drive

Print resolution 600DPI

Tailor made for customer



Sand preparing station

Electronic control cabinet
(Tailor-made electronic control drive system)

Operation panel
(Control software)

Steel frame

Sandstorm S800 3D printer, including its backbone hardware, mechanical design, drive program and host system, is totally developed and produced by Amsky. We hold the key technology of sand type 3D printing.

Tailor made for customer
Self-produced print head and electronic control drive system; available with 256, 512 series of print head for users to choose. To improve the printing efficiency, the quantity of print head, DPI resolution, and size of ink droplet can be tailor-made according to the requirement of customer.

1μm precision
The main motion framework adopts linear drive combination of linear motor and raster ruler. And the precision of raster ruler reaches up to 1μm, which reduces the volume of product and improves the reliability, speed and precision of motion.

25 seconds/layer building speed
With 25-60L/h building speed, ±0.3mm product accuracy and the printing time for one job box within 12±2 hours, the performance achieves the top level of international sand type 3D printer, and the sanding speed is higher than any product of the same model.

Consumables-free fresh sand processing system
Adopt CFD calculation method to optimize the sand processing system, which makes consumables like filter not be needed during sand processing, achieving energy conservation and emission reduction.

Steel frame
Adopt steel frame to make the overall rigidity, shake proof and fatigue life improve a lot, and the standalone electronic control cabinet brings faster disassembly, easier installation and maintenance.

HONORABLE QUALIFICATIONS

By the year 2017, Amsky has been awarded 3 patents for invention, 61 patents for utility models and 34 software copyrights.

SANDSTORM S800

TECHNICAL PARAMETER

Job Box Volume	Nominal size: 800×500×400 (160L) Limit size: 900×600×400
Layer Thickness	0.15-0.5mm
Build Speed	25-60L/h
Print Resolution	600DPI
Motion Control Accuracy	±3μm
Product Accuracy	±0.3mm
Max. Consumption	8KW
Consumables	Sand, resin and curing agent
Customization Supported	Supported
Dimension	5200×2200×3000
Weight	2.8t

Sand type of hydraulic part

Sand type of aero-engine blade

Sand type of engine support