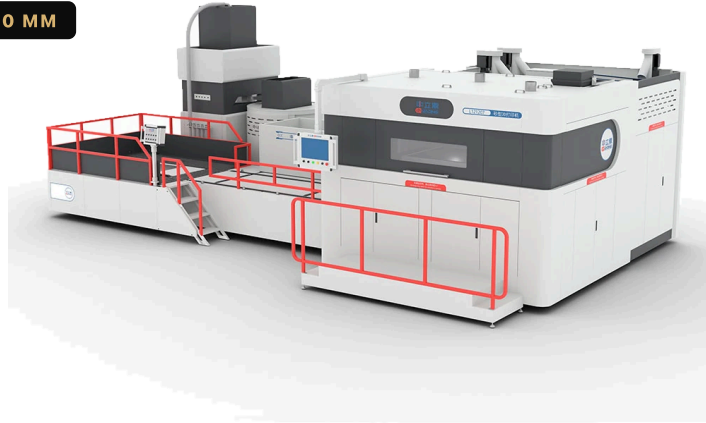


SAND BINDER JETTING · FOUNDRY

CH Leading L181007 — full-size foundry molds and cores, straight from CAD.

Binder-jetting sand 3D printer for patternless casting. No patterns, no coreboxes, no machining — the mold and cores print directly from the casting model.

BUILD BOX 1800 × 1000 × 700 MM



1800×1000×700
BUILD BOX, MM

±0.3 mm
MOLD ACCURACY

102–216 L/h
BUILD RATE

15–19 s
PER LAYER

CT8–9
CASTING ACCURACY

COMPLETE PRODUCTION LINE

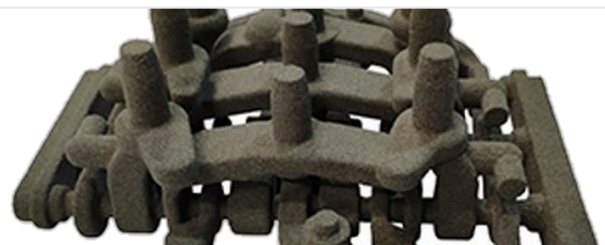
- **L181007 printer** — 4 printheads, high-speed configuration
- **Automatic sand mixer** — dosing of sand and curing agent
- **Sandbox conveyor and sand cleaning station**
- **Old-sand reclamation** — collected sand returns to the loop
- **Slicing, machine control and PLC software** included
- Options: VOC treatment, coating machine, drying box, AGV line

MATERIALS & PROCESS

- **Sands:** silica (quartz), ceramic, cerabeads, CB sand — 70–140 mesh (55–65 AFS)
- **Binder:** nitrogen-free furan, or inorganic. Phenolic is not recommended — it shortens printhead life
- **Layer thickness:** 0.2–0.6 mm adjustable
- **Print resolution:** 300×400 / 400×400 DPI
- **Full build box:** ≈6–12 h depending on configuration
- **Repeat positioning:** ≤0.02 mm on X, Y and Z



Cylinder-head mold — printed as one piece, no pattern shop involved



Valve core cluster — complex cores consolidated into a single print

Have a casting drawing? Have a quote in 24h.

Install, commissioning and operator training included. Configured to your foundry: binder system, print speed, sand recovery. Leasing and financing available.

Ashkhen Ovsepyan · CEO

ashkhen@additiveplus.com

+1 (747) 800-4854 · additiveplus.com