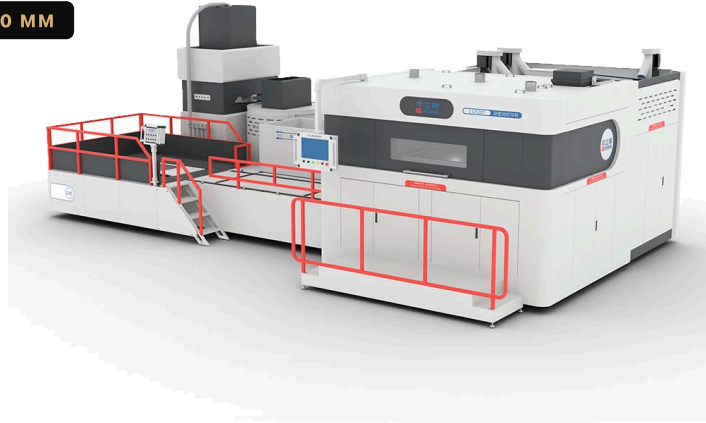


SAND BINDER JETTING · FOUNDRY

CH Leading L121207 — full-size foundry molds and cores, straight from CAD.

The compact box in the line — wide molds and cores for low-to-medium-batch castings, printed straight from CAD. Binder jetting prints the mold and cores directly — no patterns, no coreboxes, no machining.

BUILD BOX 1250 × 1200 × 700 MM



1250×1200×700
BUILD BOX, MM

±0.3 mm
MOLD ACCURACY

108–180 L/h
BUILD RATE

13–15 s
PER LAYER

CT8–9
CASTING ACCURACY

COMPLETE PRODUCTION LINE

- **L121207 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
- **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:** ≈6–10 h depending on configuration
- **Repeat positioning:** ≤0.02 mm on X, Y and Z



Impeller volute mold — printed as one piece, no pattern shop involved



Pump impeller mold — curved passages that a corebox cannot reach

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.

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