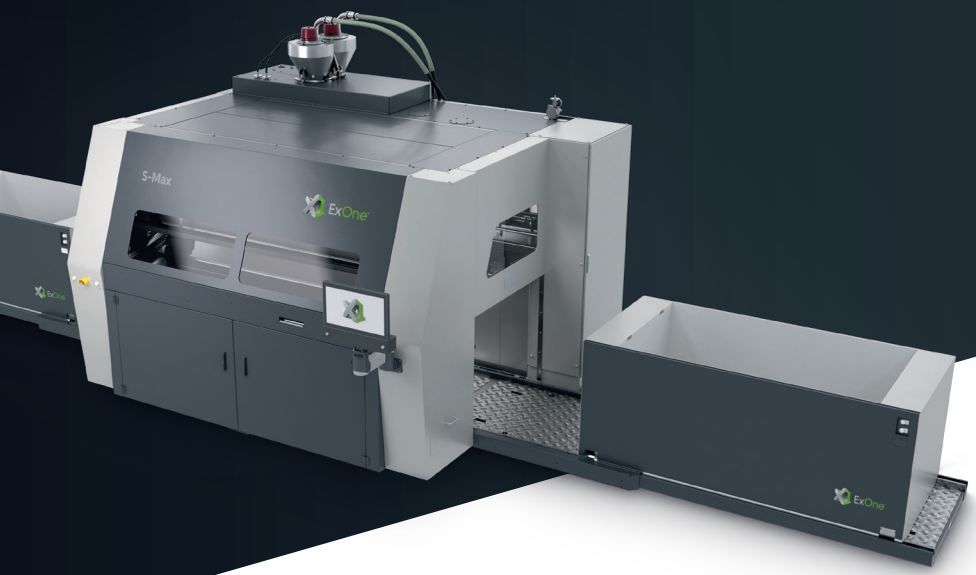
S-Max®



The original for reliable core and mold production trusted in foundries around the world

The S-Max® has been a trusted tool for global foundries for over a decade. With high speeds and precision output, the S-Max with the perfect solution for all cold hardening binder systems with natural or synthetic sands. The large build platform enables efficient production of complete mold packages without tooling or serial production of complex, consolidated cores. Conveyor job boxes and optimized bulk desanding options further increase productivity.

TECHNICAL DATA

Job box (L × W × H)	1,800 × 1,000 × 700 mm (70.9 × 39.4 × 27.6 in)	**External dimensions** (L × W × H)	10.4 × 3.5 × 2.9 m (34.1 × 11.5 × 9.5 ft)
Build volume	1,260 l (44 ft³)	**System weight**	8,600 kg (18,960 lbs)
Build rate*	Up to 125 l/h	**Binder systems**	Furan, CHP
Layer height**	0.2 to 0.5 mm (200 to 500 µm)	**Print media**	Natural and synthetic sands
Dimensional accuracy	+/- 0.5 mm (500 µm)	**Additives**	Iron Oxide, Magnesium Inhibitor
Loss on ignition (LOI)***	1.0 - 2.1 %	**Electrical requirements**	400 V AC (±10%), 3ph/PE/N
Reclaim**	30%	**Exhaust air**	300 - 600 m³/h

* Depending on layer height. ** Depending on material. *** Depending on part size and geometry (0.1% of part size)

SYSTEM BENEFITS

- Automated industrial printhead for all cold hardening binder systems (Furan and CHP)
- Large build platform suitable for all prototype requirements as well as serial production
- High productivity and reliability for fast and flexible batch production of sand cores and molds
- Optional second job box on motorized conveyor for continuous 24/7 production
- Desanding station options help cut bulk depowdering times in half

www.exone.com

ExOne™