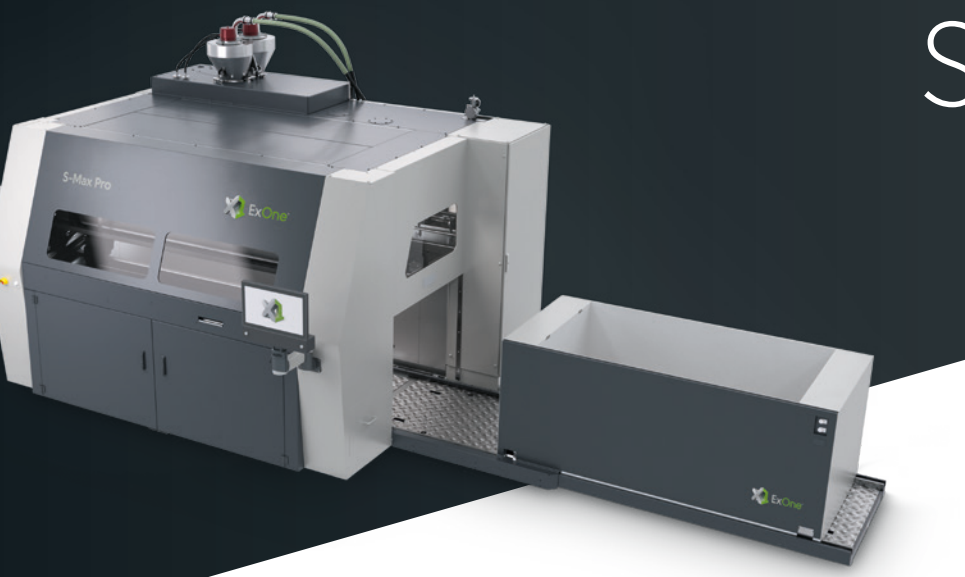


S-Max® Pro

ExOne´s fastest and smartest large 3D printer for sand core and mold production

The S-Max® Pro covers the full spectrum of sand 3D printing, enabling the fastest, high-precision, automated production of sand cores and molds. With a build volume of 1,260 liters, the system supports all ExOne binder systems, including furan and phenolic binders, and can be flexibly configured for a wide range of foundry sands, from silica sand to ceramic sands.

TECHNICAL DATA

Job box (L × W × H)	1,800 × 1,000 × 700* mm (70.9 × 39.4 × 27.6 in)
Build volume	1,260 l (44 ft³)
Layer height**	0.2 to 0.5 mm (200 to 500 µm)
Dimensional accuracy***	+/- 0.5 mm (500 µm)
Loss on ignition (LOI)	1.0 - 2.1 %
Sand recycling rate**	40 %

External dimensions (L × W × H)	10,400 × 3,500 × 2,900 mm (34.1 × 11.5 × 9.5 ft)
System weight	8,600 kg (18,960 lbs)
Binder systems	Furan, CHP, HHP
Print media	Silica sand / synthetic sands
Additives	Iron Oxide, Magnesium Inhibitor
Electrical requirements	400 V AC (± 10 %), 3 ph/PE/N
Exhaust air	300 - 600 m³/h

* Available 400 mm option box-in-box system. ** Depending on material. *** Depending on part size and geometry

SYSTEM BENEFITS

- High-resolution print head with integrated automated quality control for outstanding part quality and maximum system availability.
- Large build volume for the industrial production of prototype molds and cores through to serial production of highly complex small cores.
- High productivity and reliability for the fast and flexible production of sand cores and molds.
- Optional: Second job box with automated job box exchange system for continuous 24/7 production.
- Optional: Desanding stations reduce bulk depowdering time by up to 50%.
- Optional: Powder additive dosing system for the furan binder system.
- Optional: Fluid supply via FluidMatic using IBC containers.

www.exone.com

Subject to change without notice. Specifications are provided as guideline values and may vary depending on the material and application.

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