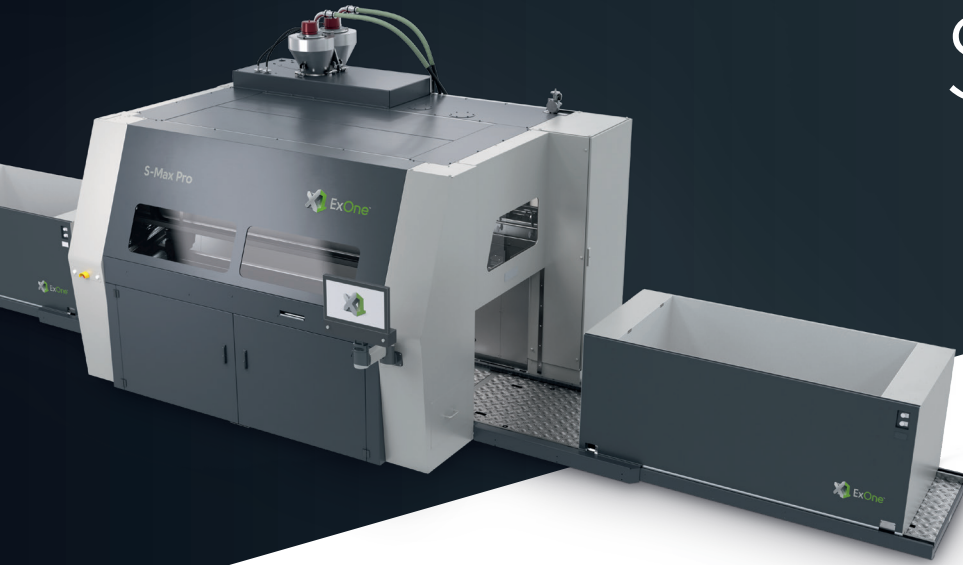


S-Max[®] Pro



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

The S-Max[®] Pro covers the full range of sand 3D printing with the fastest speeds for lights-out precision core and mold production. The 1260-liter system can process all ExOne binder systems, including furan, phenolic, and inorganic, and is adjustable to produce cores and molds in a variety of foundry sands, from silica to ceramic. Industry 4.0 integration with cloud connectivity and real-time machine monitoring options make this the smartest, most advanced 3D sand printer from ExOne.

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 ft ³)	System weight	8,600 kg (18,960 lbs)
Build rate**	Up to 145 l/h	Binder systems	Furan, CHP, HHP, Inorganic
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 m ³ /h

* Available 400 mm option box-in-box system. ** Depending on layer height. *** Depending on material. **** Depending on part size and geometry (0.1% of part size)

SYSTEM BENEFITS

- Interchangeable box-in-box option for optimized post processing and 24/7 production
- Able to process all ExOne binder systems
- Semi- and fully-automated bulk desanding options available
- Industry 4.0 cloud connectivity and process-linking capabilities enabled by Siemens MindSphere
- Compatible with ExOne Scout app to provide secure real-time machine monitoring and production analysis

www.exone.com

ExOne disclaims all warranties and liabilities for the content hereof and makes no representations as to its accuracy or fitness for use for any purpose. Any tradenames, trademarks, or service marks of others appearing herein are used strictly nominatively and are not to be construed as implying any affiliation connection, association, sponsorship, or approval of the owners thereof for ExOne, its products, or the content hereof. Specifications are subject to change without notice. Some data may be dependent on size and characteristics of powder being processed.

© Desktop Metal 2022, X1_Datasheet_S-Max Pro_EN_2022-04

