S-Print®

Compact, flexible sand 3D printer delivering accurate and complex designs straight from CAD files

The S-Print® combines a compact structure with the ability to process all ExOne binder systems to support a versatile range of applications. An ideal solution for rapid product development and flexible short run production, the S-Print can process various media to create molds and cores for a wide range of casting materials without the cost and lead time of tooling.

TECHNICAL DATA

Job box (L × W × H)	800 × 500 × 400 mm (31.5 × 19.7 × 15.8 in)	**External dimensions** (L × W × H)	3.3 × 2.5 × 2.9 m (10.8 × 11.5 × 9.5 ft)
Build volume	160 l (5.6 ft³)	**System weight**	3,500 kg (7,716 lbs)
Build rate*	Up to 40 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 m³/h

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

SYSTEM BENEFITS

- Flexible system supports an extremely versatile range of metalcasting and tooling applications
- Able to process all ExOne binder systems (Furan, CHP, HHP, Inorganic) and casting media including silica to ceramic sand

- Perfect choice for prototypes and small series
- Precise production of complex geometries and consolidated cores
- Compact footprint for easy integration

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