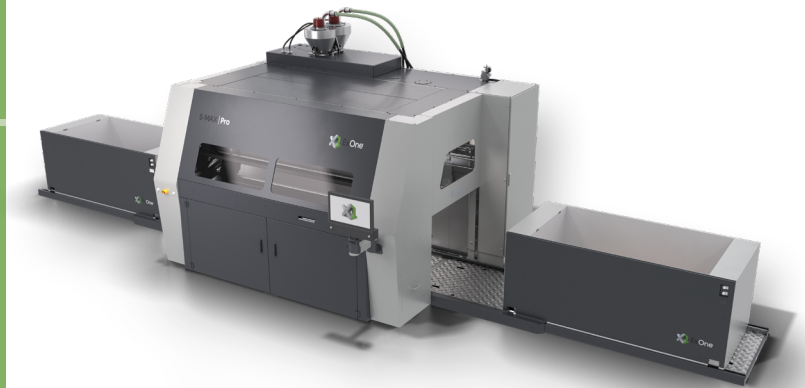


S-Max Pro

Excellent choice for both prototyping and industrial serial production that can process all ExOne binders.



The S-Max Pro impresses with its speed, reliability and precision. It is available as a stand-alone solution but is also scalable and can be connected by a network, that creates a fully automated production line, to realize the industrial serial production in 3D sand printing.

TECHNICAL SPECIFICATIONS

External Dimensions (L x W x H)	10400 x 3520 x 2860 mm (409.5 x 138.6 x 112.6 in.)
Build Box* (L x W x H)	1800 x 1000 x 700 mm (70.9 x 39.4 x 27.6 in.)
Layer Height	0.26 - 0.38 mm (0.01 - 0.015 in.)
Weight	8600 kg (18960 lbs)
Supply Voltage	400 V AC (±10%) 3ph/PE/N

Binder System	Furan	CHP	HHP	Inorganic
Max Build Rate**	up to 125 l/h	up to 70 l/h	up to 40 l/h	up to 80 l/h
Exhaust Air	300 m ³ /h	600 m ³ /h	600 m ³ /h	300 m ³ /h

* with box-in-box system 400 mm height

** depending on jobbox utilization, sand type, layer height, resolution & environmental conditions

SYSTEM BENEFITS

- Fully automated printhead can process all ExOne binder systems (Furan, CHP, HHP, Inorganic)
- Automated adjustment of recoater to different molding materials
- Optional box-in-box system enables easy and fast removal of the job immediately after printing
- Continuous production 24/7 possible
- Industry 4.0 integration and cloud connectivity
- Real time process control and increased fault detection capability via camera and app
- Recipe Manager

SYSTEM OPTIONS

- With two standard jobboxes or one box-in-box jobbox available
- With desanding station available (for standard jobbox)

BOX-IN-BOX SYSTEM

- Build box: 1800 x 1000 x 400 mm (70.9 x 39.4 x 15.7 in.)
- Weight: 1200 kg (2645 lbs) without sand; approx. 2500 kg (5511 lbs) with sand
- With transport shuttle to move the box into the machine
- With transfer station for easily picking up the box
- Optional with desanding and microwave transparent insert available for optimized post processing (especially for Inorganic and hot hardening phenol (HHP))

