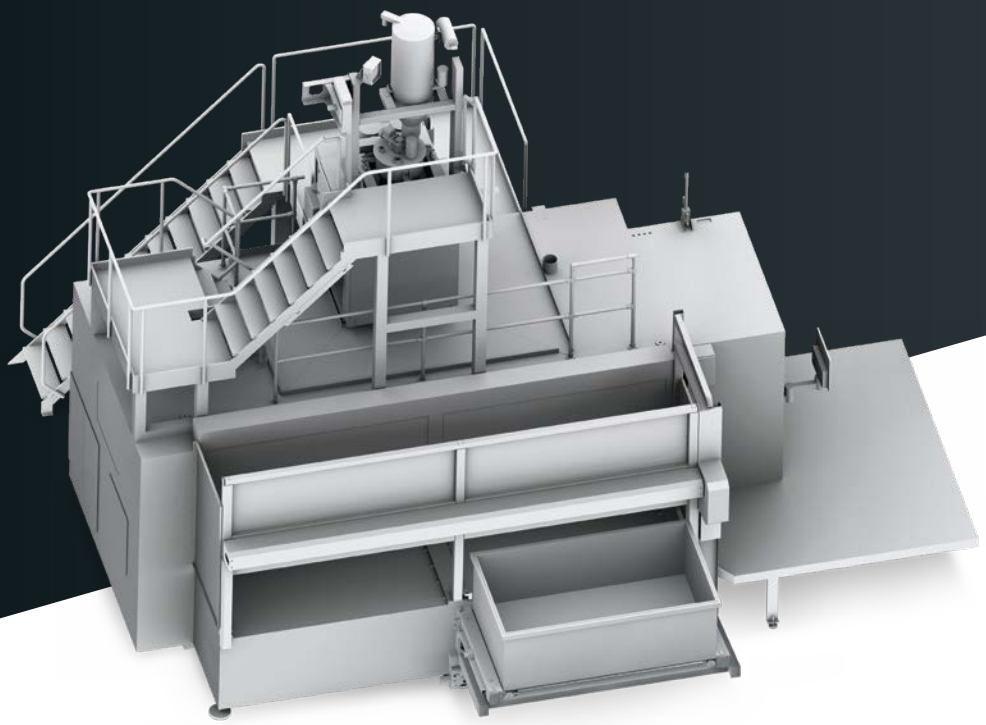
Exerial™



More sustainable series production with inorganic binder

Series production of complex inorganic sand cores and molds is possible with the Exerial™ 3D printer, containing two job boxes.

TECHNICAL DATA

Job box (L × W × H)	2,200 x 1,200 x 700 mm (86.6 x 47.2 x 27.6 in)
Build volume	2 x 1,848 l (2 x 65.3 ft^3)
Build rate	200 – 250 l/h
Layer height	0.3 mm
Dimensional accuracy	+/- 0.5 mm, +/- 0.1 % over 500 mm

External dimensions (L × W × H)	8.4 x 4.0 x 4.9 m (329.9 x 158.7 x 194.9 in)
System weight	11,200 kg (24,692 lbs)
Binder system	Inorganic
Print media	Natural sand
Electrical requirements	400V 3-phase/N/PE/50–60 Hz, max. 21.5 kW

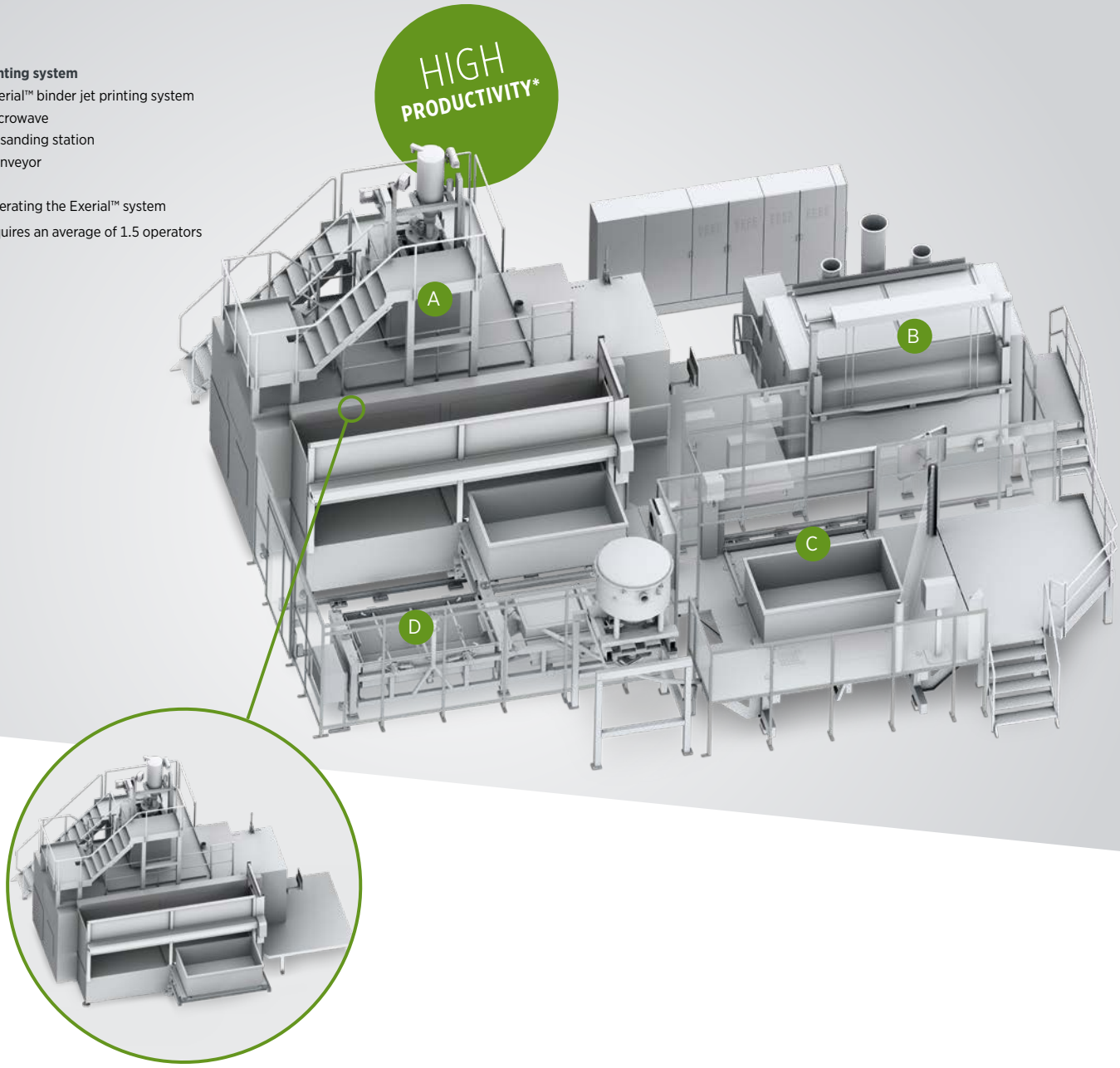
Specifications are subject to change without notice.
Some data may be dependent on other factors such as material or utilization.

ExOne™

3D printing system

A Exerial™ binder jet printing system
B Microwave
C Desanding station
D Conveyor

* Operating the Exerial™ system requires an average of 1.5 operators



KEY BENEFITS

- 2 job boxes for producing large cores in series
- Simultaneous production of multiple jobs
- Extremely fast printing of components with 2 to 3 times the speed of the S-Max® printer
- Option for automated desanding system
- Precision printing process creates highly accurate cores
- Flexible design options
- Suitable for aluminum alloys

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