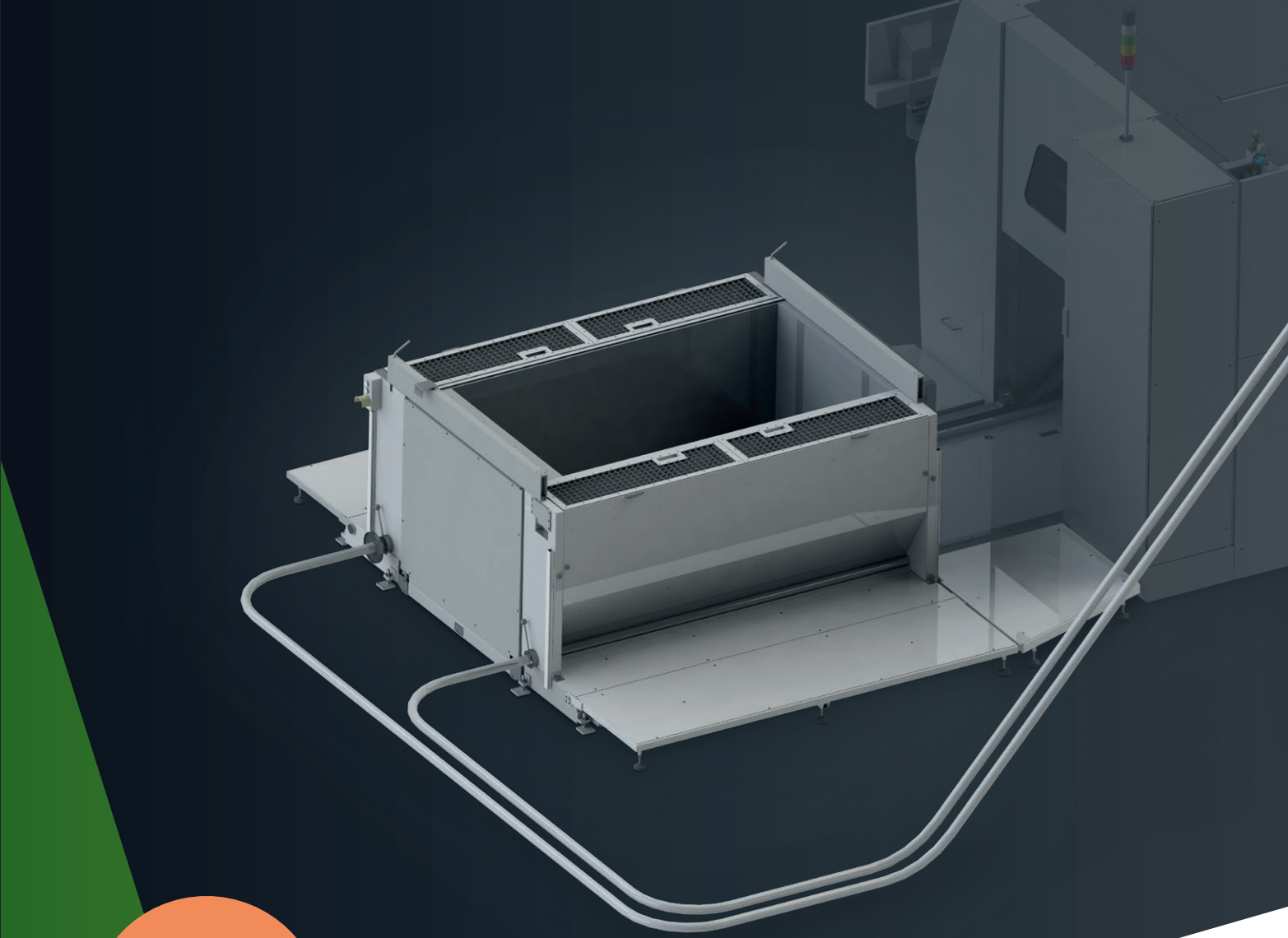


NEW

Furan and CHP Desanding Station

Drive Improved Performance with Automation

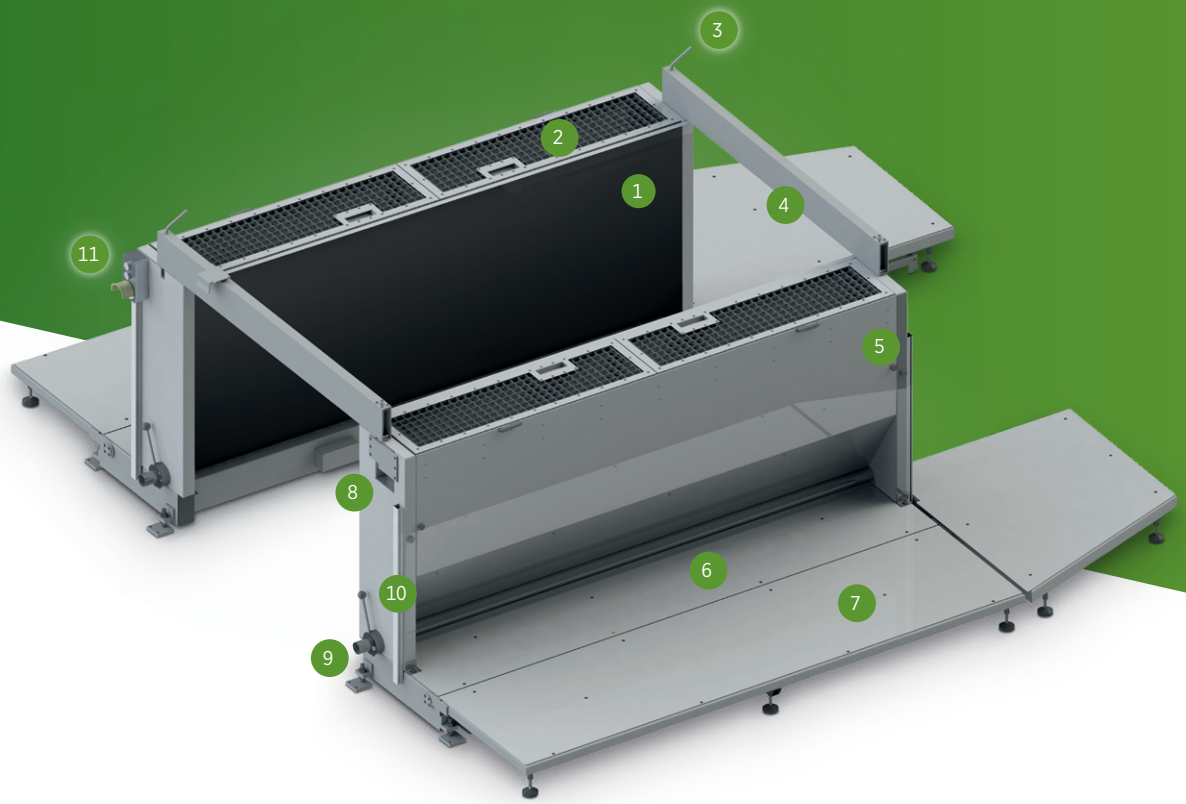
ExOne™

ExOne's Desanding Station Saves Time and Reduces Costs

Improve your sand 3D printing efficiency

The new semi-automatic desanding station from ExOne helps make the S-Max® and S-Max Pro™ printers even smarter and more agile. This innovative solution accelerates the desanding process, removing a significant amount of bulk from the jobbox, helping to quickly remove parts and reduce expenses. The desanding station can be installed and retrofitted on all S-Max and S-Max Pro models.

You will benefit from a desanding process that is up to 50% faster – right from the very first printing process. For foundries, the machine tool industry, suppliers to the automotive sector or pump manufacturers, this means a significant reduction of staff hours over the course of a year – thereby freeing up resources and expertise that can be deployed elsewhere in the company.



ADDED VALUE

- Quickly desand the jobbox thanks to partial automation
- Reduce time and costs spent depowdering parts
- Efficiently use your jobbox by keeping it ready for use
- Lighten workload of system operator
- Intuitive operation simplifies material recycling
- Helps keep your production environment clean

APPLICATION

FB001 (Furan) or FB201 (CHP) binders in combination with:

- Standard sand types FS001, FS003
- Cerabeads® sand types

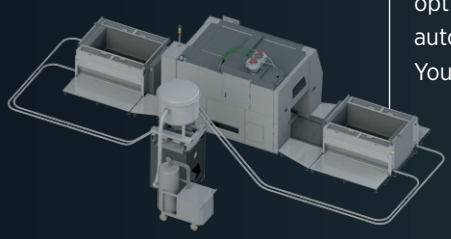
Main components

1 Funnels
2 Grating
3 Securing pin
4 Sand barrier
5 Safety edge
6 Pedestal inside
7 Pedestal
8 Hinge safety switch
9 Connection suction pipe
10 Adjusting lever for adjusting the volume flow of the sand extraction
11 Operating controls

Technical Data

DIMENSIONS	
With platform	L 3,488 × W 3,337 × H 1,298 mm (L 137.3 × W 131.4 × H 51.1 in.)
Without platform	L 2,180 × W 1,767 × H 1,298 mm (L 85.8 × W 69.6 × H 51.1 in.)
Piping standard	5 m (196.8 in.)

- Steps and safety bars for safety in manufacturing
- Additional dust removal integrated in the funnels

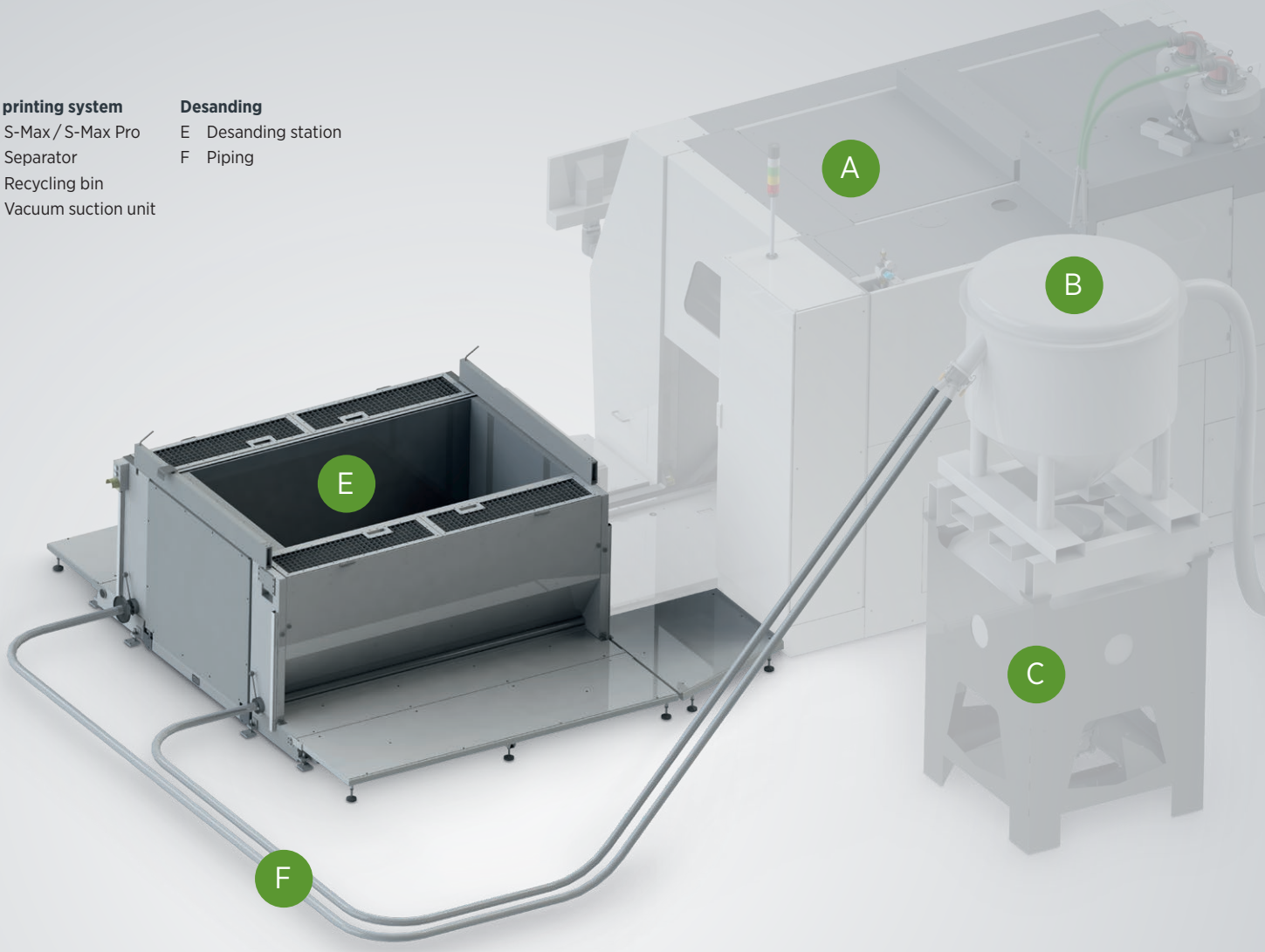


MINIMIZING DOWNTIMES MEANS REDUCING COSTS

It's so simple: Use a second jobbox and benefit from the Jobmatic option. While the first jobbox is being desanded, the second automatically moves into the printer for the next printing process. Your system is now ready for use 24/7.

3D printing system
A S-Max / S-Max Pro
B Separator
C Recycling bin
D Vacuum suction unit

Desanding
E Desanding station
F Piping



END OF PRINTING PROCESS

1

More efficiency, step by step

Connect the desanding station (E) to the printer via the piping (F). Done.

MOVE INTO PLACE
The printed order in the jobbox filled with sand moves out of the S-Max and S-Max Pro printers directly into the desanding station.

D

up to 50% faster

2

FIX IN PLACE

Once the sand barriers have been fixed in place, the vacuum suction unit is switched on. The sand extraction on the funnels on the longitudinal sides of the jobbox is then activated.

3

DESANDING

The building platform rises up at the push of a button. The sand flows into the funnels. Thanks to the fine grid and strong suction, this process is predominantly free of dust. The components can now be removed.

4

CLEANING / SWITCHING OFF

Once the building platform is empty, it is cleaned using a hand vacuum and then the sand barriers are detached. The vacuum suction unit is turned off once the sand has been completely extracted and the funnels are empty.

MATERIAL IS RECYCLED

ExOne™

ExOne has facilities and representatives around the world.
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