

S3 Duo – Process complex components efficiently and fully automatically



Cleaning

Support Removal

Surface Finishing

Polymers

Metal

Features & benefits

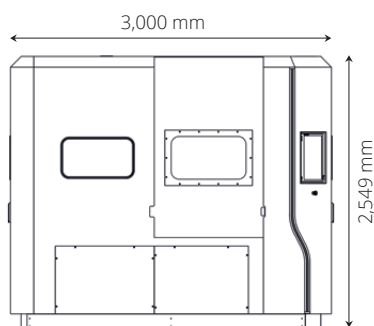
- Robot-guided, automatic processing
- Available as wet or dry blast system
- Integrated media conditioning system
- Integrated closed loop water recirculation (wet version)
- "L" shaped door allows work piece loading via crane
- Easy operation with intuitive controls
- Simple robot programming thanks to optional playback function

Technical highlights

The S3 Duo plug-and-play system was specially developed for wet blasting applications and is also available as a dry blast solution. The robot-guided blast nozzle movement allows the targeted, gentle processing of large and complex metal or plastic work pieces. Continuous, fully automatic logging and monitoring of all process parameters

guarantees absolutely repeatable result for the removal of support structures, residual powder and surface finishing. In addition, the wide range of equipment options, including simplified robot programming, ensure a great deal of flexibility thanks to an innovative playback process. An intuitive and intelligent control system rounds off the profile.

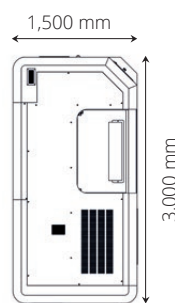
Equipment layout



Front view



Side view



Top view

Equipment specifications

Technical data

Turntable speed: 0 - 100 rpm

Blast nozzles: 1 or 2 nozzles with Ø 6 - 16 mm

Positioning tolerance of robot arm: < 0.25 mm

Repeatability tolerance of robot arm movement: < 0.08 mm

Ambient temperature: +5 to +40 °C

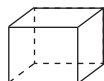
Electrical connection

Supply voltage standard: 400 V, 50 Hz, 3 Ph/N/PE*

Control voltage: 24 V DC

*Different connection voltage like US on request also available

Possible work piece dimensions (mm; W x D x H)



Minimum size: 50 x 50 x 50

Maximum size: 1,000 x 1,000 x 1,000

