



Exchange P 500/2

Increased productivity solution for
Laser Sintering systems

TECHNICAL DATA | EXCHANGE P 500/2

Buffering, loading, and storing exchange frames from and to an EOS P 500 Laser Sintering system for two automated build jobs in a row.

Compatible with: EOS P 500, GRENZEBACH Transport P 500

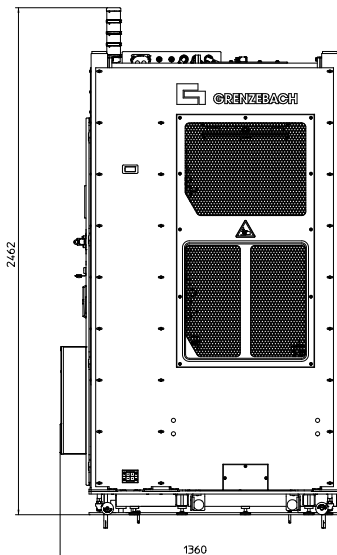
The Exchange P 500/2 includes following features:

- » Fully automated loading and unloading of the EOS P 500 with an integrated conveyor system and shuttle
- » One buffer position for exchange frame with an fix mounted cover at top position to completely close the exchange frame
- » Passive cool down of finished build jobs with max. temperature of 250 °C (482 °F) in the buffer position
- » Full maintenance accessibility to the EOS P 500 system possible
- » Load and unload of exchange frames in/out the Exchange P 500 with a manual or electric lifter
- » Temperature monitoring of exchange frame at buffer position
- » Control via 7" HMI
- » OPC UA: Vertical communication to MES
- » Horizontal process and safety communication with EOS P 500

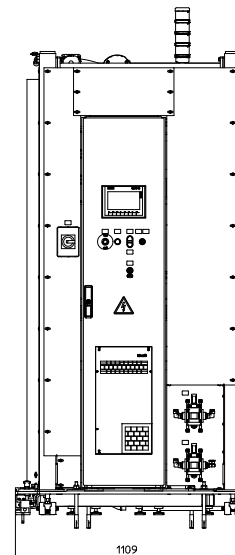
Optional:

- » Inertization of finished build jobs to decrease powder ageing while cooling down
- » Docking frame for GRENZEBACH Transport P 500 to load and unload exchange frames in/out the Exchange P 500/2 manually or fully automated via AGV

Layout:



Front view



Side view

Dimensions & weight:

Length Approx. 1,360 mm (53.54 in)

Width Approx. 1,109 mm (43.66 in)

Height Approx. 2,462 mm (96.93 in)

Weight Approx. 1,150 kg

Floor load: 1,7 N/mm²

Control: Siemens 7" Touch Panel

Emissions:

Sound pressure level < 70 dB(A)

Max. temperature exchange frame 250 °C (482 °F)

Consumption:

Compressed air consumption (only during drive movement) 3,3 NL/min

Gas consumption N.a. / depends on customer process

Power consumption Max. 2.8 kW

Mains fuse 16 A

Voltage 400-480 V

Frequency 50/60 Hz

Electrical cabinet Integrated in machine frame

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