

Application Success Stories

Alphatec GmbH
Schaltschranksysteme



Automatization

Increase of capacity

Reproducibility

Application Success Stories

Technical Data

Parts:

Metal components

Part size:

H 1'600 mm

W 800 mm

L 2'500 mm

Conveyor speed:

V max. 1.4 m/min

Multi color line:

1 x OptiFlex AS08 / 9P

2 x Axis ZA07 / XT10

1 x Control ICS/CM22

1 x Magic Compact EquiFlow BA04

1 x OptiCenter OC02



Single color line:

1 x OptiFlex AS08 / 9P

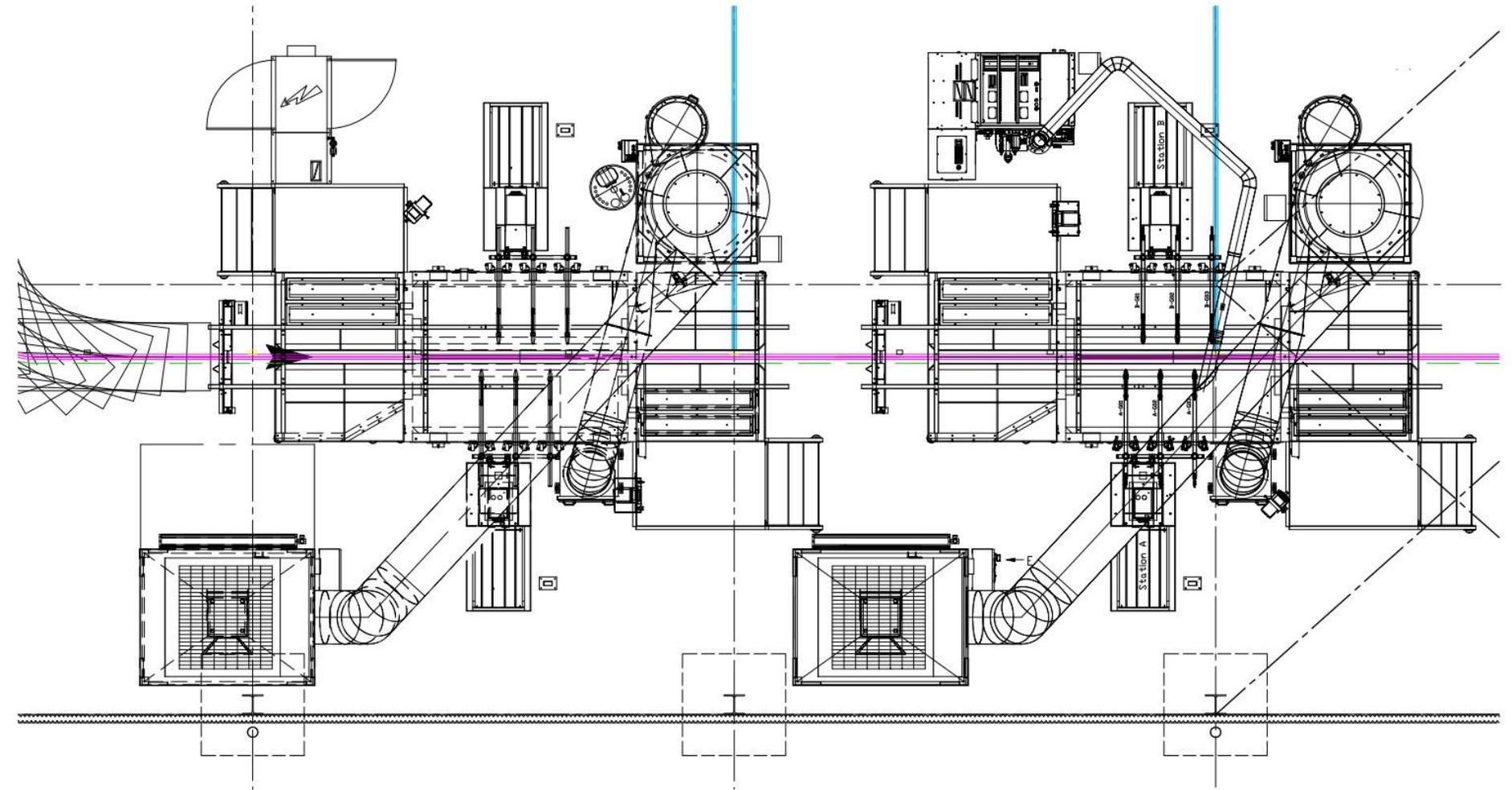
2 x Axis ZA07 / XT10

1 x Control ICS/CM22

1 x Magic Compact EquiFlow BA04

1 x Fresh powder supply PH100

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The family-owned Alphatec Schaltschranksysteme GmbH in Bibersbach near Regensburg (DE) produces since 1993 control cabinet products from the small distributor to the customized main distribution.

Alphatec has always relied on inhouse electrostatic powder coating. Unfortunately, with this system only small sheets could be coated and this with great manual effort. 2012 marked the launching of the project for a new system, which can coat housings and economically handle standard and special colors. At the end of 2013 a MagicCompact EquiFlow system with 8 automatic



and 1 hand gun and OptiCenter OC2 was installed in a newly constructed hall. Therewith, the more frequent color changes could be performed cleanly and quickly.

However, it became evident that a standard color covered a very large part of the fast-growing production at Alphatec. Based on this, it was decided to copy the existing system configuration and to install it in addition for the single color operation. This second cabin system was placed in line before the existing system and instead of an OptiCenter it has a powder container PH100, which continuously transports fresh



powder into the powder circulation.

Both units are very compact, placed in a user-friendly manner and provide maximum flexibility in a small space. Thanks to the automation, the processes have improved with the two systems MagicCompact EquiFlow, the coating results are now consistently identical and the capacity has been boosted and made future-proof.