



SBZ 608

Cutting and machining
centers



A fast downstream centre for reinforcement screw driving, drilling and routing cut-to-length profiles for window, door and curtain wall manufacturing with and without steel reinforcement. Portal design for high profile cross-sections and process-optimised throughput.

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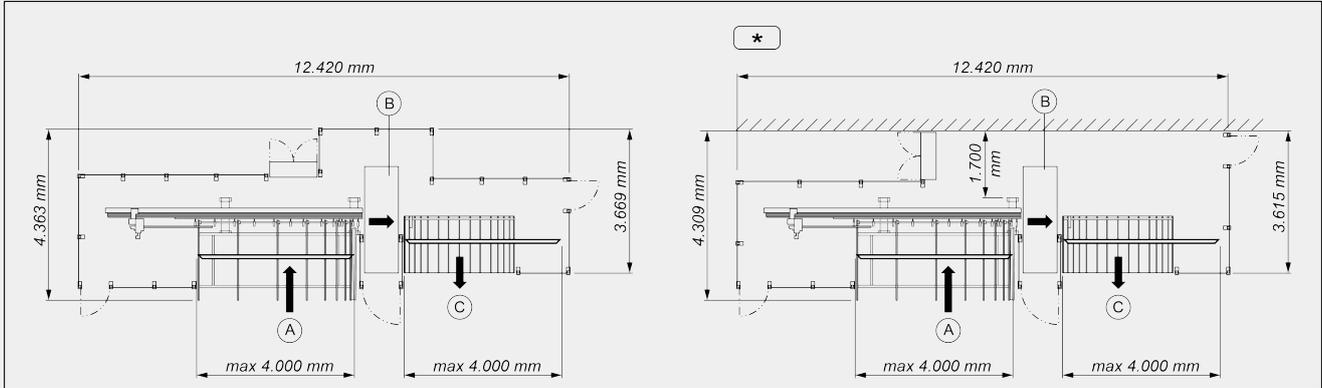
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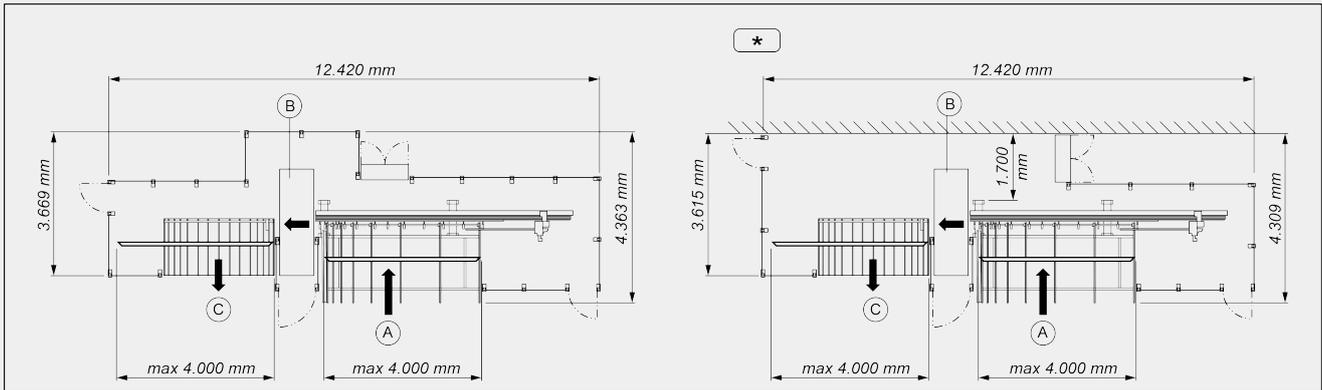


LAYOUT

Left version (left to right)



Right version (right to left)



- A - Loading magazine
- B - Machining unit
- C - Unloading magazine
- * - Standard version

The overall dimensions may vary depending on the product configuration.

AXIS TRAVEL

| | |
|---|-------|
| Y AXIS (cross) (mm) | 370 |
| Z AXIS (vertical) (mm) | 270 |
| X AXIS (bar positioning) (mm) | 5.620 |
| Y1 AXIS (cross gripper positioning) (mm) | 130 |
| Z1 AXIS (vertical gripper positioning) (mm) | 145 |
| A1 AXIS (gripper rotation) | 280° |

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LOADING UNIT: PROFILE POSITIONING

| | |
|--|---------|
| Workpiece reference stop near the working unit | ● |
| Maximum loadable length (mm) | 4.000 |
| Belt loading magazine for 14 profiles with a length varying from 350 mm to 4.000 mm, max. weight 40 kg | ● |
| Loading feeder with 2 controlled axes for workpieces of up to 4.000 mm with gripper | ● |
| Electronically controlled 0 - 180° collet rotation (C1 axis) | ● |
| Minimum machinable profile section - W x H (mm) | 30 x 30 |

ELECTROSPINDLES FOR PVC MILLING (MANUAL CHANGE)

| | |
|--------------------------|--------|
| Maximum power in S6 (kW) | 0,75 |
| Maximum speed (rpm) | 16.300 |
| Maximum diameter (mm) | 12 |

ELECTROSPINDLES FOR HANDLE DRILLING (MANUAL CHANGE)

| | |
|--|--------------|
| Maximum power in S6 (kW) | 1,6 |
| Maximum speed (rpm) | 2.456 |
| Maximum diameter for 3-spindle aggregate (mm max.) | 12 / 14 / 12 |

ELECTROSPINDLES FOR SMALL DIAMETER PVC & STEEL (MANUAL CHANGE) OPTIONAL

| | |
|--------------------------|-------|
| Maximum power in S6 (kW) | 1,2 |
| Maximum speed (rpm) | 9.820 |
| Maximum diameter (mm) | 12 |

ELECTROSPINDLES FOR END MILLING (MANUAL CHANGE) OPTIONAL

| | |
|--------------------------|-------|
| Maximum power in S6 (kW) | 1,6 |
| Maximum speed (rpm) | 5.600 |
| Maximum diameter (mm) | 160 |

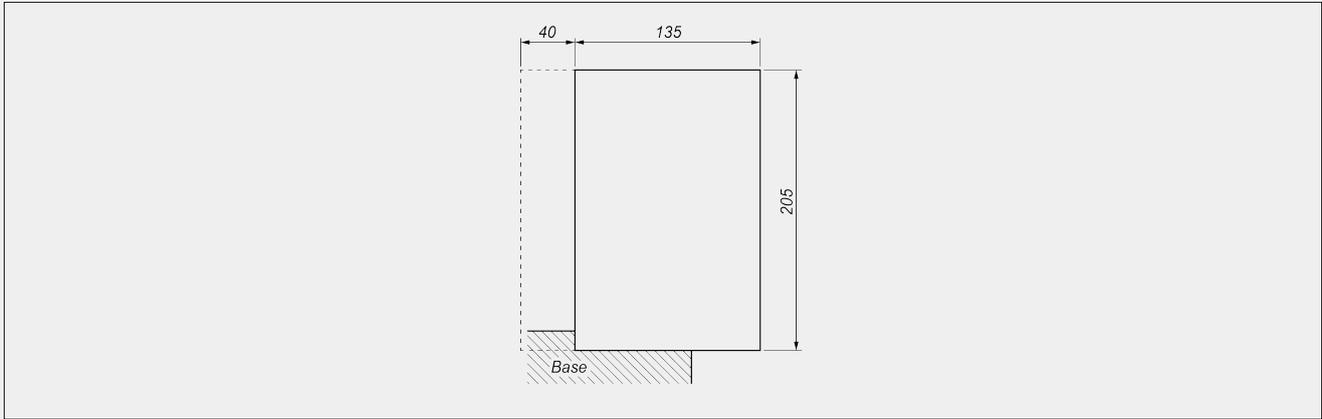


WORKABLE SIDES

Number of faces (top, side, bottom)

1 + 2 + 1

WORK AREA



_____ max. profile area
 - - - - - max. overlap

WORKPIECE LOCKING

- Automatic fixed clamping system before machining area
- Automatic fixed clamping system after machining area
- Clamping system standard height 20 mm
- Clamping system for profile adapted to profile system

MODES OF OPERATION

- Screwing operation for reinforcement steel
- Milling, drilling operations of the piece direct from the profiled bar
- Hand held scanner for bar code
- Rotary axis gripper
- Blow-off devices per additional working unit
- Tool package 16 units



SUPPORT BASE

Monolithic in electrowelded and standardised steel

UNLOADING UNIT

Unloading table with a pneumatic pusher for workpieces of up to 4000 mm

Belt magazine unloading depth (mm)

1.900

ELECTRIC CABINET COOLING

Electrical cabinet with air conditioner for operating temperature < 45 °C

Electrical panel and CN conditioner for operating temperatures < 50°C

Included ● Available ○