



SBZ 610/03

Cutting and machining
centers



Maximum working speeds with the highest quality are delivered by three cutting units. Automatic cutting centre with three built-in cutting units for cutting profiles to length for window and door manufacturing. Work sequence as needed, either from the left towards the right or the reverse. Infeed with motorised, continuously adjustable gripper. Lifting function for gap-free loading of the feed magazine. Profiles are guided on rollers to ensure gentle treatment of the profile and protective film. Optimised length cutting with no processing waste. Internal gripper avoids damaging the profiles. Integrated measuring sensors for residual piece detection. Outfeed for parts via discharge table. Industrial PC with Windows operating system.

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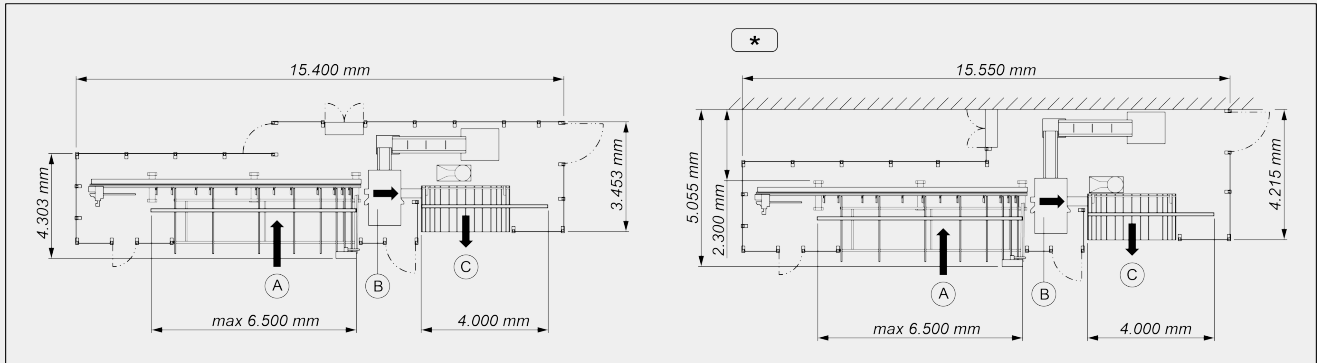
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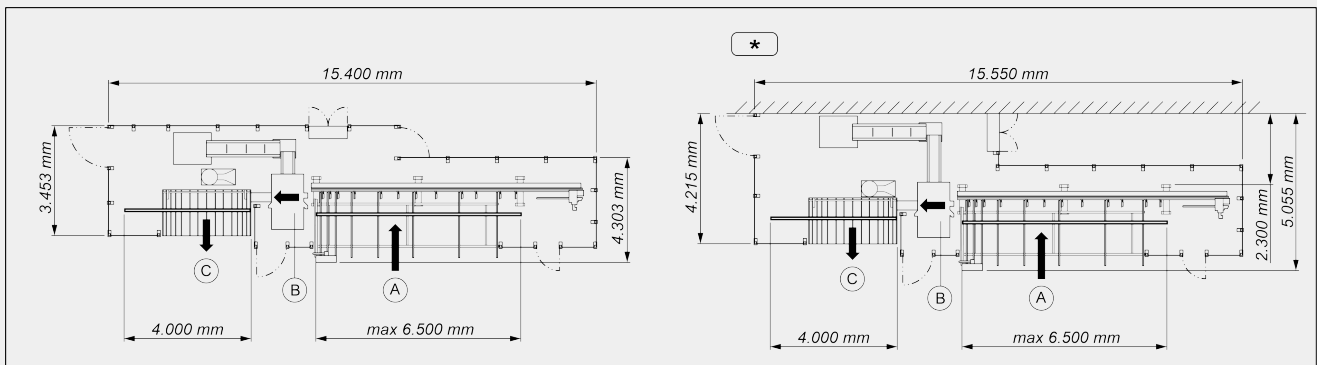


LAYOUT

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) | 6.500 |
| Y1 AXIS (cross gripper positioning) (mm) | 130 |
| Z1 AXIS (vertical gripper positioning) (mm) | 145 |
| A1 AXIS (gripper rotation) | 280° |

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MACHINABLE CUTTING ANGLES

Fixed cutting angle 45° / 90° / 135°

LOADING UNIT: PROFILE POSITIONING

Workpiece reference stop near the working unit ●

Maximum loadable length (mm) 6.500

Belt loading magazine for 10 profiles with a length varying from 500 mm to 6.500 mm ●

Electronically controlled 0 - 360° collet rotation (C1 axis) ●

Minimum machinable profile section - W x H (mm) 30 x 30

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 ○

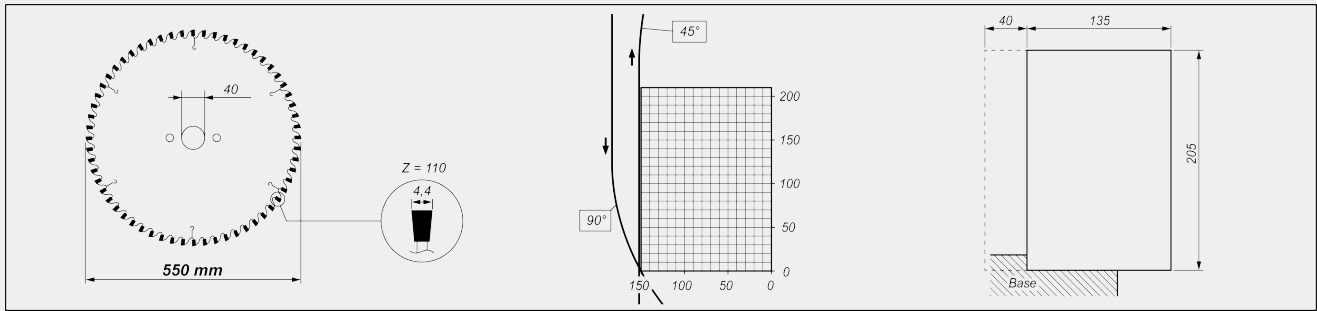
MODES OF OPERATION

Label printer ○

Rotary axis gripper ●



CUTTING DIAGRAM



BLADE MOTORS (MANUAL CHANGE)

| | |
|---------------------------------|----------------------------------|
| Maximum power rating in S6 (kW) | 4 |
| Maximum speed (r.p.m.) | 2.850 |
| Air cooling | <input checked="" type="radio"/> |
| Blade diameter (mm) | 550 |
| Number of motors | 3 |
| Fixed cutting angle | 45° / 90° / 135° |

SUPPORT BASE

| | |
|--|----------------------------------|
| Monolithic in electrowelded and standardised steel | <input checked="" type="radio"/> |
|--|----------------------------------|

UNLOADING UNIT

| | |
|---|----------------------------------|
| Unloading table with a pneumatic pusher for workpieces of up to 4000 mm | <input checked="" type="radio"/> |
| Belt magazine unloading depth (mm) | 1.900 |

ELECTRIC CABINET COOLING

| | |
|---|----------------------------------|
| Electrical cabinet with air conditioner for operating temperature < 45 °C | <input checked="" type="radio"/> |
| Electrical panel and CN conditioner for operating temperatures < 50°C | <input type="radio"/> |

Included ● Available ○

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