

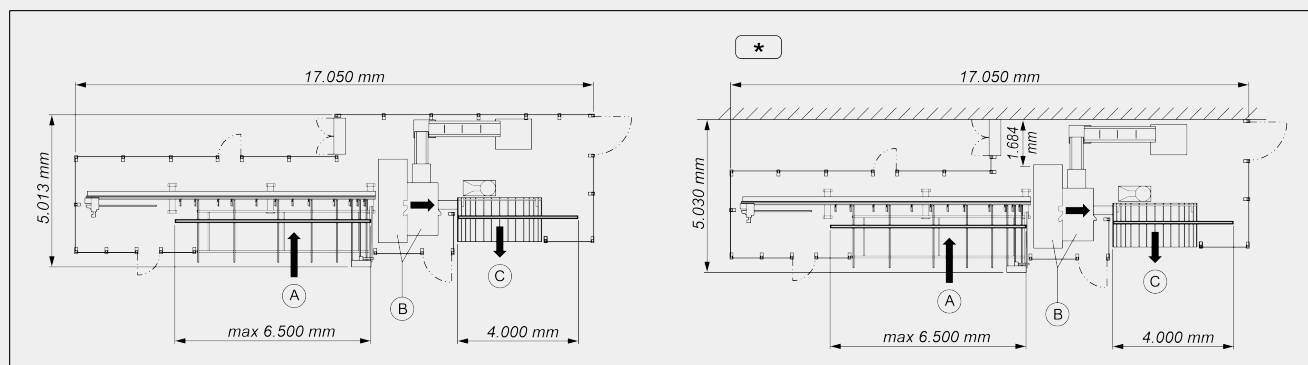
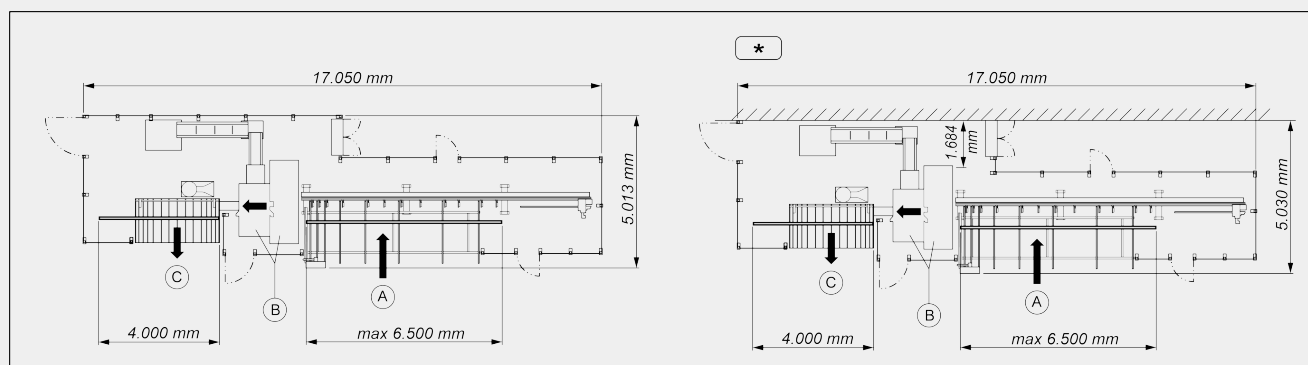


## **SBZ 610/13**

Cutting and machining  
centers



This all-rounder offers maximum flexibility as a profile machining centre. Total profile machining of profiles without steel reinforcement. Profile machining centre for cutting to length, drilling and routing profiles for window, door and curtain wall manufacturing without steel reinforcement and with screwed transom connections. 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. Options: outfeed for parts via a belt conveyor protects profiles and offers different capacities; upending unit for profiles that are difficult to clamp.

**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°  |

**LOADING UNIT: PROFILE POSITIONING**

|                                                                                     |         |
|-------------------------------------------------------------------------------------|---------|
| Workpiece reference stop near the working unit                                      | ●       |
| Maximum loadable length (mm)                                                        | 6.500   |
| Electronically controlled 0 - 360° collet rotation (C1 axis)                        | ●       |
| Belt loading magazine for 10 profiles with a length varying from 500 mm to 6.500 mm | ●       |
| 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 |

**BLADE MOTORS (MANUAL CHANGE)**

|                                 |       |
|---------------------------------|-------|
| Maximum power rating in S6 (kW) | 4     |
| Maximum speed (r.p.m.)          | 2.850 |

**MACHINABLE CUTTING ANGLES**

|                     |                  |
|---------------------|------------------|
| Fixed cutting angle | 45° / 90° / 135° |
|---------------------|------------------|

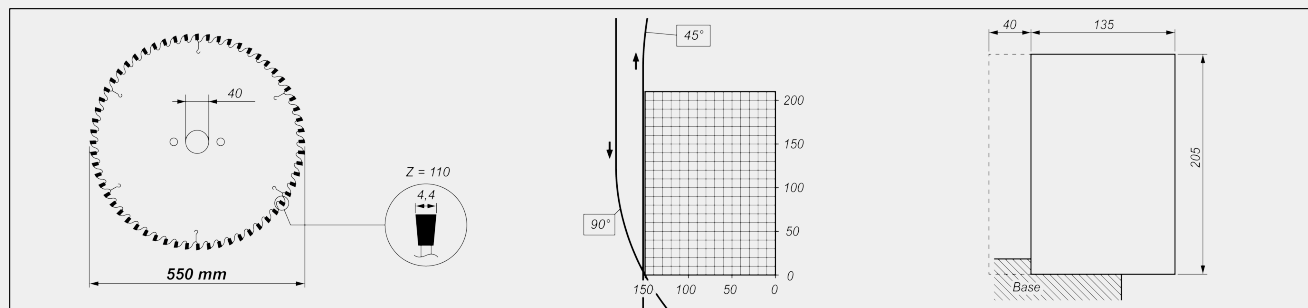


## WORKABLE SIDES

Number of faces (top, side, bottom)

1 + 2 + 1

## CUTTING DIAGRAM



## WORKPIECE LOCKING

Automatic fixed clamping system before machining area



Automatic fixed clamping system after machining area



Clamping system standard height 20 mm



## MODES OF OPERATION

Milling, drilling PVC operations for profiled bar



Rotary axis gripper



Label printer



## 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



Included ● Available ○