



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.

Voilàp S.p.A.
Via Archimede, 10
41019 - Limidi di Soliera (MO)
ITALY

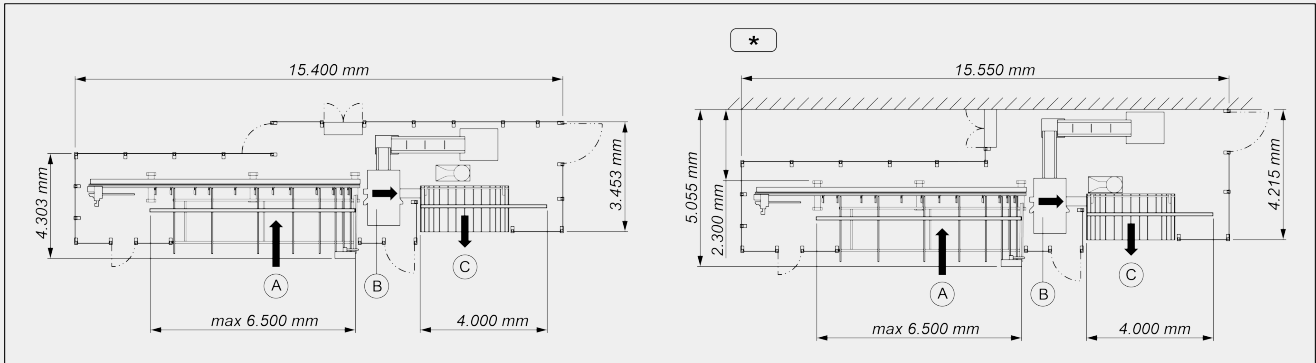
Tel 059 895411
Fax: 059 859404
P.IVA e C.F. 02057270361
info@somecopvc.com
www.somecopvc.com

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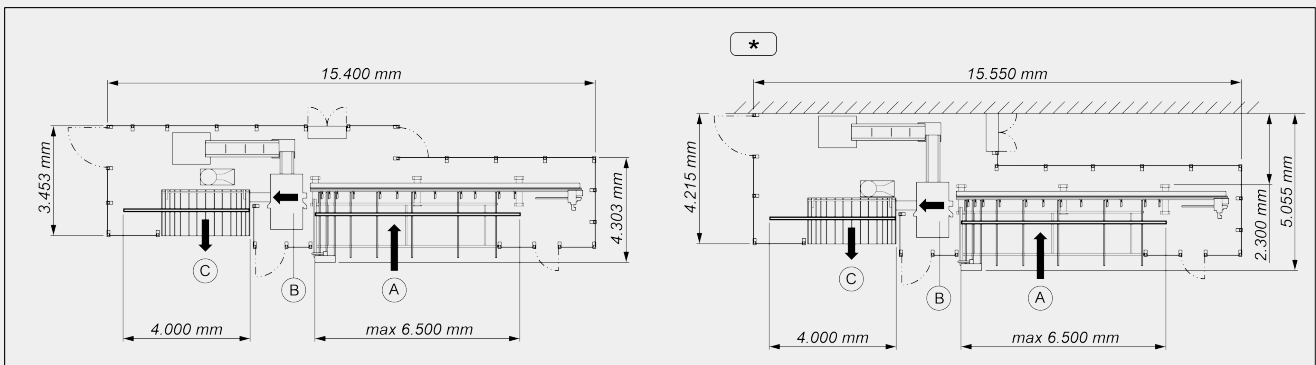


LAYOUT

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 (transversal) (mm)	370
Z AXIS (vertical) (mm)	270
X AXIS (bar positioning) (mm)	6.500
Y1 AXIS (gripper transversal positioning) (mm)	130
Z1 AXIS (gripper vertical positioning) (mm)	145
A1 AXIS (pliers rotation)	280°

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 41019 - Limidi di Soliera (MO)
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MACHINABLE CUTTING ANGLES

Fixed cutting angle 45° / 90° / 135°

LOADING UNIT: PROFILE POSITIONING

Workpiece reference stop near the working unit	<input checked="" type="checkbox"/>
Maximum loadable length (mm)	6.500
Belt loading magazine for 10 profiles with a length varying from 500 mm to 6.500 mm	<input checked="" type="checkbox"/>
Electronically controlled 0 - 360° collet rotation (C1 axis)	<input checked="" type="checkbox"/>
Minimum machinable profile section W x H (mm)	30 x 30
Maximum profile height W x H (mm)	135 x 205

WORKPIECE LOCKING

Automatic fixed clamping system before machining area	<input checked="" type="checkbox"/>
Automatic fixed clamping system after machining area	<input checked="" type="checkbox"/>
Clamping system standard, high 20 mm	<input checked="" type="checkbox"/>
Clamping system for profile adapted to profile system	<input type="checkbox"/>

FUNCTIONS

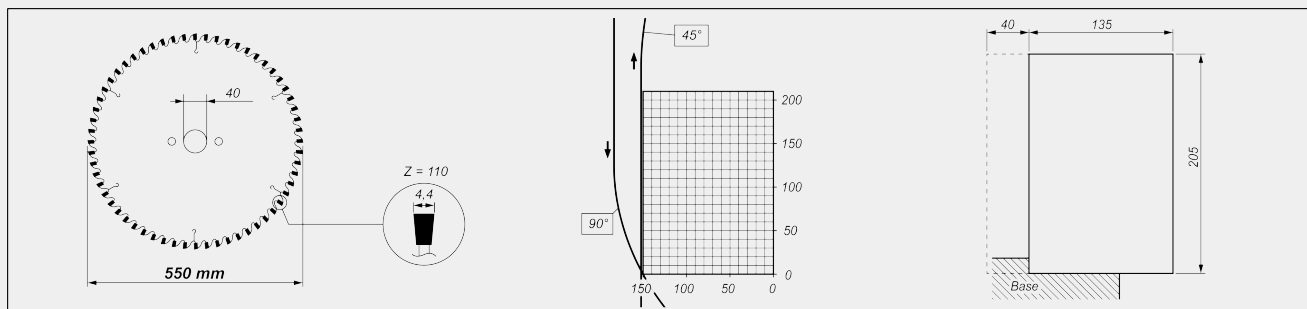
Label printer	<input type="checkbox"/>
Rotary axis gripper	<input checked="" type="checkbox"/>



CUTTING 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°

CUTTING DIAGRAM



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

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