

Cutting Centre

Machines for processing aluminium and PVC profiles



Machines fully designed and manufactured in Italy

PERTICI
INDUSTRIES

THE COMPANY

Pertici Industries, was founded in 1965 by Leto Pertici as Costruzioni Meccaniche Pertici.

Originally, the Company started off with the production of traditional wood-working machines and subsequently developed the production of machinery for the aluminium and PVC door and window industry.

Pertici has always been a competent and reliable supplier of machinery for the production of windows and doors with a range of products constantly developed and improved.

The volume growth and the extension of the production site, accompanied by a production cycle completely controlled inside, allowed Pertici to offer solutions of the highest quality and reliability able to meet the needs of every type of customer.

Thanks to these characteristics, since the eighties, Pertici has been the protagonist of a strong international expansion that allowed the creation of a solid distribution network around the world. In nearly fifty years of work, Pertici has installed tens of thousands of plants in Europe, America, Africa, Asia and Australia.

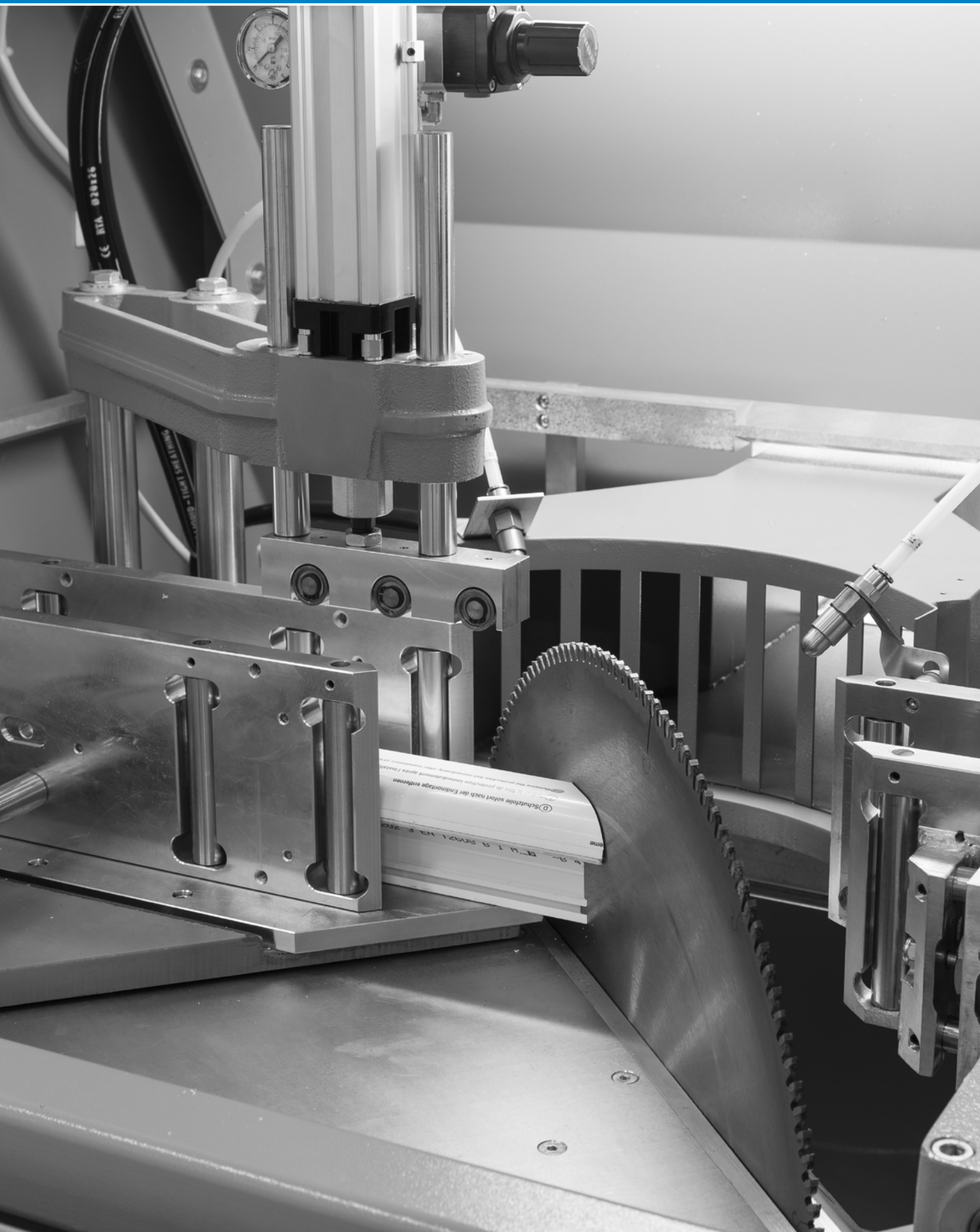
Today Pertici Industries is a world leader in the design and construction of machines and systems for the processing of aluminium and PVC profiles. Pertici develops and implements cutting-edge technology guaranteeing a global customer service which includes servicing, maintenance, installation, support and timely educational training.

The expertise and experience embedded in all the staff together with the strong presence in the global market are essential elements of the company constant development strategy.



PERTICI WORLDWIDE





Cutting centre

CNC cutting centre with 2 controlled axis is designed for cutting PVC profiles with maximum cutting speed and highest quality.

The machine performs the operation of profile loading from the bars stock, cutting and unloading of piece, in complete autonomy and without the assistance of the operator. The working direction is available according to the customer needs either from left to right and viceversa. The software, developed entirely by Pertici Industries, ensures the better management of the working cycle and the cutting lists automatically interfacing with the main cutting list processing programs available on the market.

The machine is composed by 3 units.

1. Automatic bar loading unit

- Loading unit with max capacity up to 12 bars of 6,6 m length (depending on the dimension of the profile section)
- Bar presence detection device on automatic bar pusher
- Belt system with possibility of loading offcut pieces (minimum length of the offcut piece mm. 400)
- Bars loading unit with belts



2. Cutting unit

- Blade rotation to cut at 45° - 90° - 135°
- Centering device, which allows to always have the centre of rotation of the cutting unit matching with the centre of the profile section, in order to also carry out wedge cuts automatically
- Front door for free access to maintenance in the cutting area
- Automatic scraps evacuation system

3. Automatic unloading and storage unit

- Automatic unloading device of cut pieces
- Unloading storage unit with safety photocell
- Maximum unloading capacity up to 15 pieces.

Models

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Cutting centre SC 65

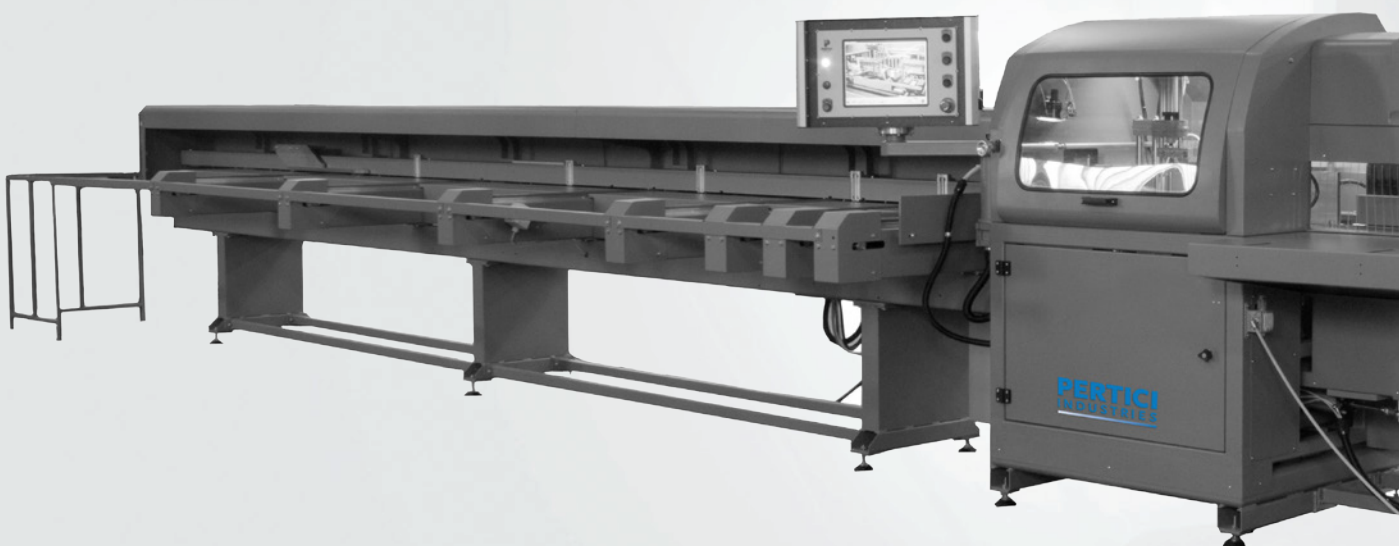
- **2 CNC controlled axis**
- Carbide saw blade 600 mm
- Pneumatic rotation head at 45° - 90° - 135
- Pneumatic blade advance
- Integral protection of cutting area
- Pair of horizontal pneumatic clamps with low pressure device
- Pair of vertical pneumatic clamps with low pressure device
- Label printer kit
- Motorized chips and waste cut conveyor complete with suction outlet for chips separation.
- Industrial dust suction system with chips collecting bags and exhaust air filters.
- Blade motor power: 2,2 kW
- Blades speed: 2800 rpm
- Maximum profile dimensions: width 156 mm, height 200 mm
- Minimum profile dimensions: width 36 mm, height 30 mm
- Max bar length: 6500 mm
- Power supply: 7 kW
- Air consumption: 250 NI/'
- Dimensions (length x depth x height):
 - 12300 x 2300 x 3000 mm
- Weight: 2300 kg

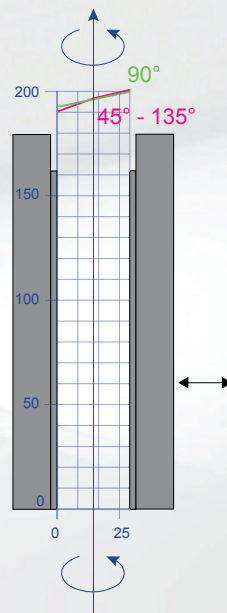
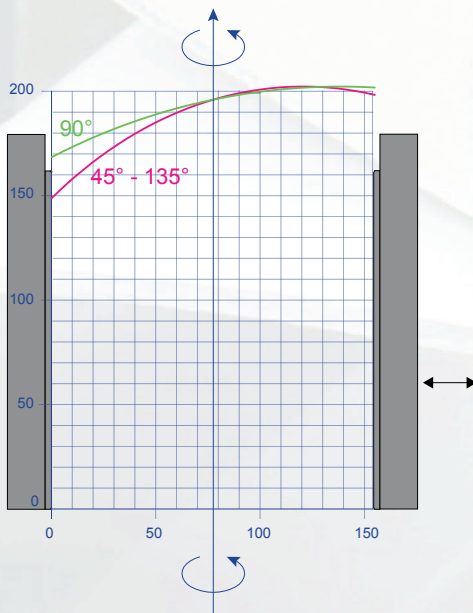
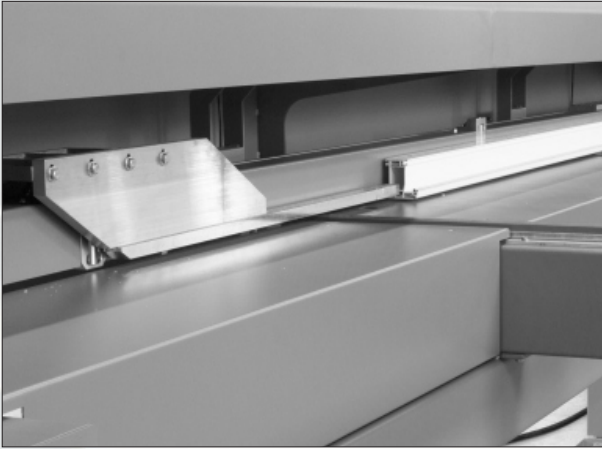
Control features

- Windows Embedded operating system
- Storing profile data (up to 1000)
- Optimization on cutting lists
- Complete diagnostic help on line
- PLC for management of working cycle
- Touch screen industrial PC panel TFT 15"
- USB port
- Ethernet port for LAN connection

Options

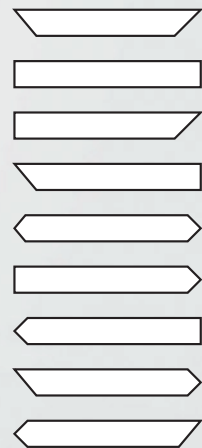
- Intermediate degrees from 45° to 135°
- Profile height electronic measuring device
- Office software import driver
- Bar code reader
- Loading unit for bars 7 mts long





SC 65

Cutting type



Cutting centre SC 55

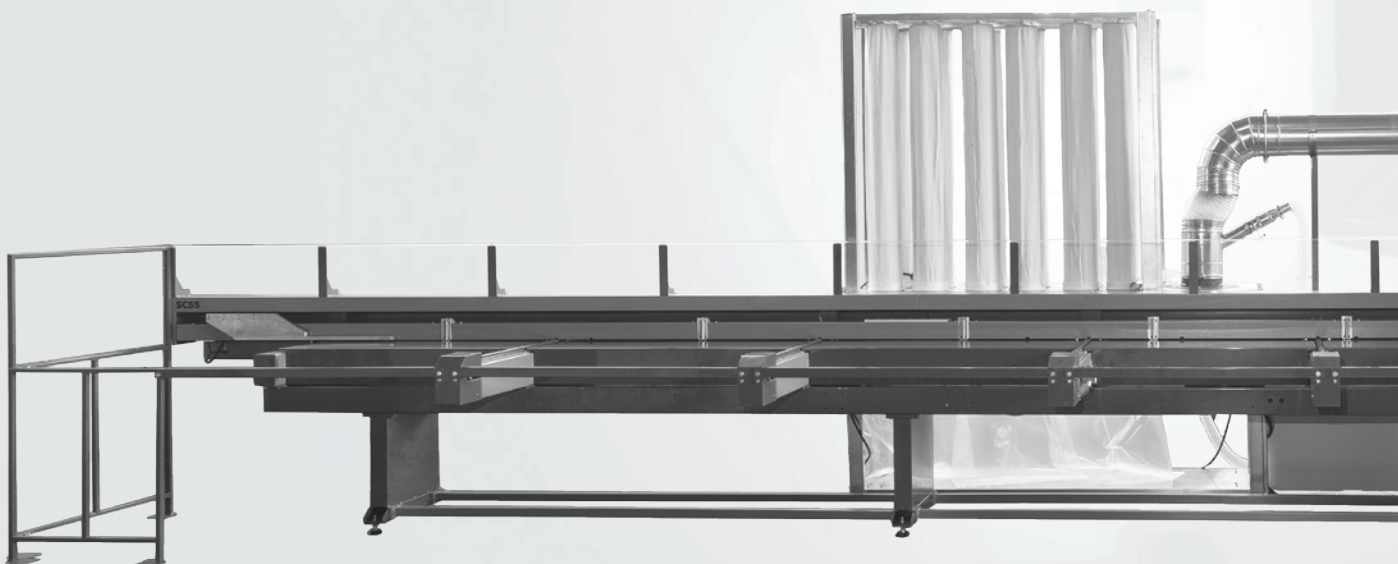
- **2 CNC controlled axis**
- Carbide saw blade 500 mm
- Pneumatic rotation head at 45° - 90° - 135
- Pneumatic blade advance
- Integral protection of cutting area
- Pair of horizontal pneumatic clamps with low pressure device
- Pair of vertical pneumatic clamps with low pressure device
- Label printer kit
- Motorized chips and waste cut conveyor complete with suction outlet for chips separation.
- Industrial dust suction system with chips collecting bags and exhaust air filters.
- Blade motor power: 2,2 kW
- Blades speed: 2800 rpm
- Maximum profile dimensions: width 134 mm, height 148 mm
- Minimum profile dimensions: width 36 mm, height 48 mm
- Max bar length: 6500 mm
- Power supply: 7 kW
- Air consumption: 250 NI/'
- Dimensions (length x depth x height):
 - 12300 x 2300 x 3000 mm
- Weight: 2400 kg

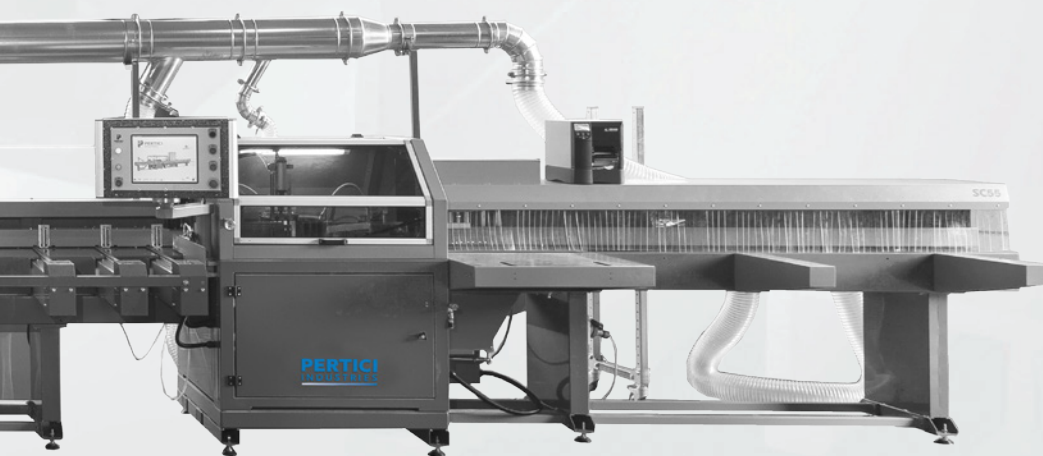
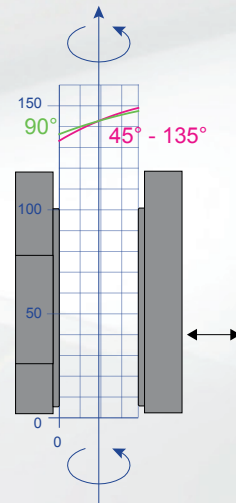
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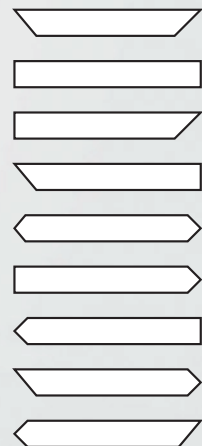
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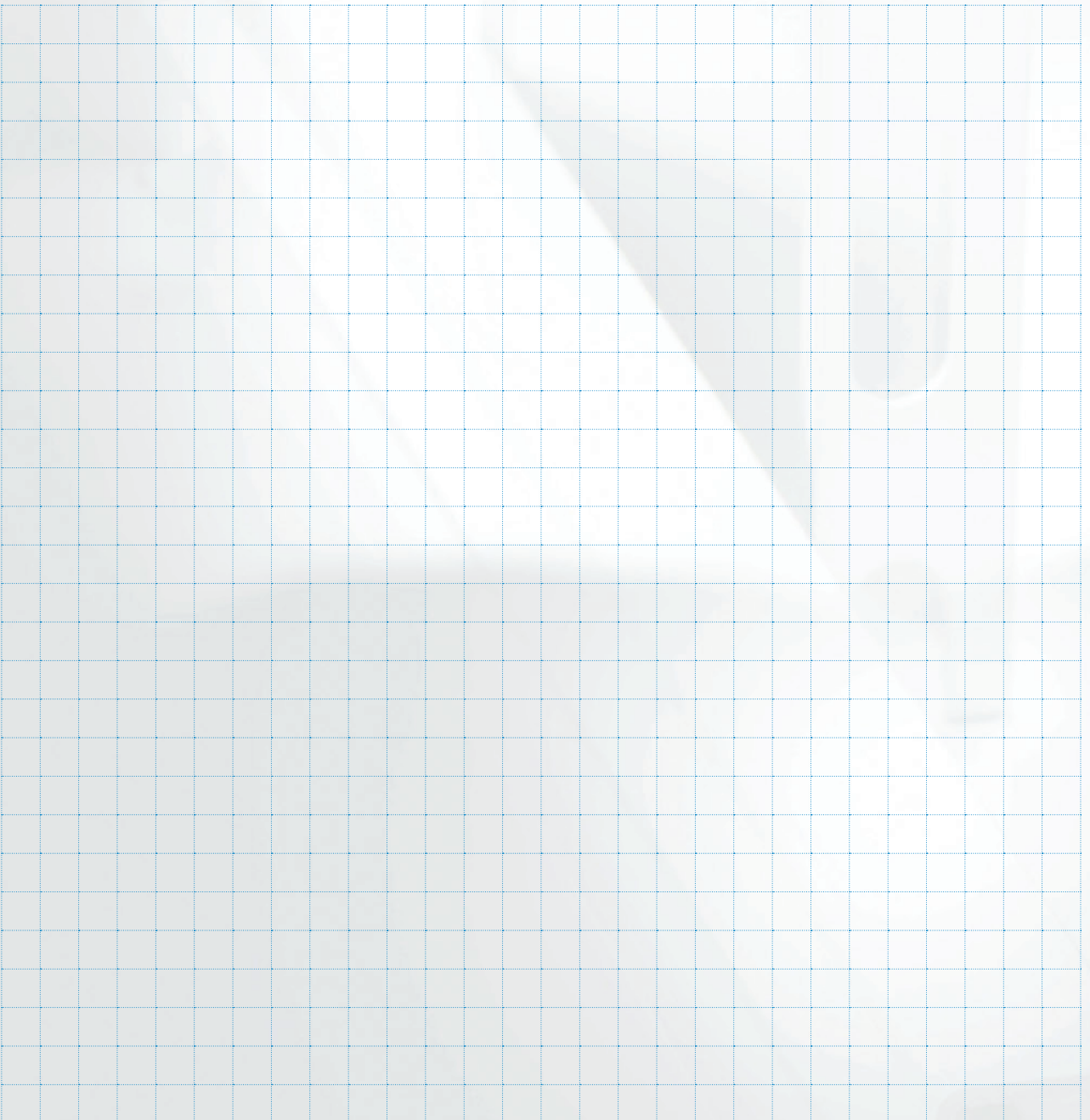


Cutting type



SC 55

NOTE





Data contained in this catalogue are not binding. **PERTICI** reserves the right to carry out any modifications deemed necessary to this catalogue for technical and commercial reasons.

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