



Aluminum Mitre Saw | MECAL SW 550 PLUS

The Mecal "SW 550 Plus" is a back cut saw to cut straight and mitre aluminum profiles. The blade is activated by means of an hydro-pneumatic cylinder. The operator holds the two push buttons until the cut is completed. As soon as one or both buttons are released, the blade retract in its own housing.

GENERAL

The Mecal "SW 550 Plus" is a back-cut aluminum mitre saw ideal for applications such as residential and commercial windows, curtain walls, railings as well as industrial aluminum profile cutting requiring mitre cutting. The saw can cut straight or mitre both on vinyl or aluminum extrusions.

An hydro-pneumatic cylinder ensures the precise and uniform feed speed of the blade. Two pneumatic horizontal cylinders hold the extrusion firm in place for the maximum precision of the cut. The "SW 550 Plus" features a tilting head capable to cut mitre angles $\pm 22.5^\circ$ both right and left. Intermediate angles are also possible by adjusting intermediate mechanical stops.

OPERATION

To perform the cut, the operator must hold simultaneously two pushbuttons with both hands. As soon as the cut is performed and one button is released, the blade retract in its own casing.

SAFETIES

The Mecal "SW 550 Plus" back-cut aluminum mitre saw is provided with a lifting cover is part of the standard safety features to provide full protection to the operator.

STANDARD ITEMS/FEATURES

- Blade \varnothing 550mm (21.6")
- cutting fluid reservoir
- Venturi misting system
- frontal protection hood
- adjustable feed speed
- dust and chips outlet connection

FEATURES

- Hydro-pneumatic blade feed
- Large cutting capacity with 550mm (21.6") saw blade
- Capable to perform cuts at 22.5° , 45° , 90° , 135° and 157.5°
- Intermediate angles can be set by means of mechanical stops
- Fully isolating guard for noise reduction and operation safety
- Adjustable blade stroke and feed speed
- All scraps and chips fall in the middle of the base
- Two-hand controlled safe operation

TECHNICAL DATA

- Motor: 2.2kW (3HP), 230V, 60Hz
- Blade speed: 2800RPM
- Blade diameter: 550mm (21.6")
- Blade hub diameter: 30mm (1.18")
- Machine weight: 760 Kg (1675 lbs)

STANDARD EQUIPMENT

- 1 x Saw blade \varnothing 550mm (21.6")
- 2 x Pneumatic horizontal clamps
- 1 x Spray mist blade lubrication system (Venturi)
- Prepared for dust and chips suction unit

OPTIONALS

- Custom made counter blocks
- 2 x Pneumatic horizontal clamps
- Spare \varnothing 550mm (21.6") saw blade
- 20 litres (5.3 gal) pail of cutting fluid
- MKN 300 roller conveyer - 3m (10')