



Up-Cut Mitre Saw | YILMAZ ACK 700

The Yilmaz "ACK 700" up-cut miter saw is designed for straight and miter cutting of large aluminum profiles. The blade is raised up by means of a hydro-pneumatic cylinder. The operator holds the two push buttons to raise the blade up until the cut is completed. As soon as one or both buttons are released, the blade descends below the table level. The table cutting line can be manually rotated in both directions to cut mitre angles down to 15°. Extended infeed and outfeed covers and two interlock safety switches are part of the standard safety features. ACK 700 is typically used for curtain walls, commercial aluminum and industrial applications where extra large profiles need to be cut.

GENERAL

The Yilmaz "ACK 700" is an up-cut miter saw ideal for cutting large aluminum extrusions such as curtain walls and other heavy duty industrial aluminum profiles. The saw can cut straight or mitre on large aluminum extrusions.

A hydro-pneumatic cylinder ensures the precise raise of the blade. Four pneumatic cylinders (two vertical and two horizontal) hold the extrusion firm in place for the maximum precision of the cut. The "ACK 700" aluminum saw features a large cutting rotating table capable to cut mitre angles down to 15° in both directions.

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 descends below the table level.

SAFETIES

Extended in-feed and out-feed covers and two interlock safety switches are part of the standard safety features, also the top hood provides full protection to the operator.

STANDARD ITEMS/FEATURES

- FESTO air gun to clean the machine from the chips generated by the cut
- cutting fluid reservoir
- access for the blade compartment both in the rear and front of the saw
- possibility to connect an industrial dust collector to the two top and bottom outlets for a proper chip removal
- adjustable feet to level the machine

FEATURES

- Hydro-pneumatic blade feed
- Infinitely adjustable saw blade feed speed
- Two-hand controlled safe operation
- Location points at 75°, 60°, 45°, 30°, 22.5°, 15°, 0° both on the left and on the right
- Rotation range from -75° left to +75° right, infinitely adjustable
- Pneumatically operated protection hood
- Interior LED lighting for increased visibility
- Top and bottom dust and chips suction ports
- Blade compartment is easily accessible from the front and the back of the saw

TECHNICAL DATA

- Motor: 4kW (5.4HP), 230V, 60Hz
- Blade speed: 2000RPM
- Blade diameter: 700mm (27½")
- Blade hub diameter: 30mm (1.18")
- Operating air pressure: 6-8 Bar (87-116 psi)
- Air consumption: 50 litres/min (13.2 gal/min)

STANDARD EQUIPMENT

- 1 x Saw blade Ø 700mm (27½")
- 2 x Pneumatic vertical clamps
- 2 x Pneumatic horizontal clamps
- 1 x Spray mist blade lubrication system
- 1 x Air blower gun
- Extended infeed and outfeed covers

OPTIONALS

- Spare Ø 700mm (27½") saw blade
- 20 litres (5.3 gal) pail of cutting fluid
- MKN 300 roller conveyor - 3 m (10')
- Single phase motor

STANDARD ACCESSORIES

- Equipped with saw blade Ø 700 mm and 4 kW motor
- Spray saw blade lubrication system
- MKN 301 roller conveyor (3 m)
- 2 x vertical and 2 x horizontal clamps
- Air gun

OPTIONAL ACCESSORIES

- Laser marker set to indicate the cutting line
- Additional saw blade Ø 700 mm
- VCE 1570 chip vacuum extractor
- SKN 300-450-600 conveyor
- DKN 302-452-602 conveyor