iNTEL MAKiNA
INDUSTRY AND TRADING CORP.

PC 400-S

Angled Aluminum-PVC Cutting Machine 400 mm

Last updated: June 29, 2026



Description

Cutting machine designed for straight and angled cutting operations of PVC, aluminum and wooden profiles.

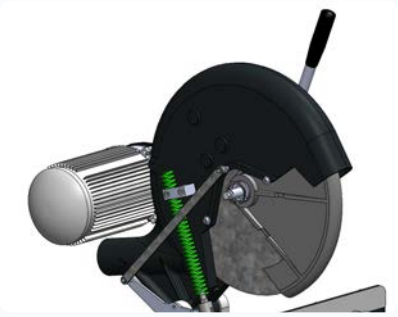
Highlights

- ✓ Pneumatic Horizontal Vise Group
- ✓ 19 mm Wrench and 8 Allen Tool Kit
- ✓ Air Gun
- ✓ Ø 400 mm saw blade
- ✓ Right Conveyor (2.3m)
- ✓ Left Conveyor (2.3m)
- ✓ Spring-assisted cutting at 45°- 30°- 22.5°- 15°- 0° angles in right and left directions
- ✓ Precision cutting at intermediate angles 45° left -45° right
- ✓ Machine frame manufactured from aluminum and machine stand made from steel sheet
- ✓ Easily adjustable mechanical structure to desired angles
- ✓ Robust spring system and protective guard

Optional Features

- + Single Phase Motor
- + Saw blade cooling system
- + Spare saw blade 400 mm

Machine Components



SAW BLADE SECTION

Electric Motor: Provides drive to the saw disk.

Main Body and Protective Housing (Black Body):

Fixed Housing: Provides operator safety against chips and sparks that may fly during cutting.

Movable Housing Connection: The long diagonal metal rod shown in the image (rod linkage) is connected to a locking mechanism that synchronously opens the blade guard as the head is lowered.

Return Spring (Green Helical Spring): When the cutting head is pressed down and released, it ensures the system automatically returns to the safe upper position.

Operator Control Lever (Black Handle): Positioned to apply cutting force and manually guide the head.

Shaft and Fastening Elements: Hexagon bolt, washer and safety ring are used for shaft fastening at the disk center.



TABLE SECTION

Main Function: Demonstrates an adjustable table and clamping/fence system designed to cut or process materials at precise angles. A circular table and linear slides are present.

Precision Angle Adjustment: The gray, textured circular surface located in the middle section is a rotating table. An angle scale is visible on the front edge of this table. This allows the user to position the workpiece at a very precise angle.

Clamping and Slide System: Two yellow clamp devices are present. These devices can slide on cylindrical guide rails to move the adjustable support rod back and forth.

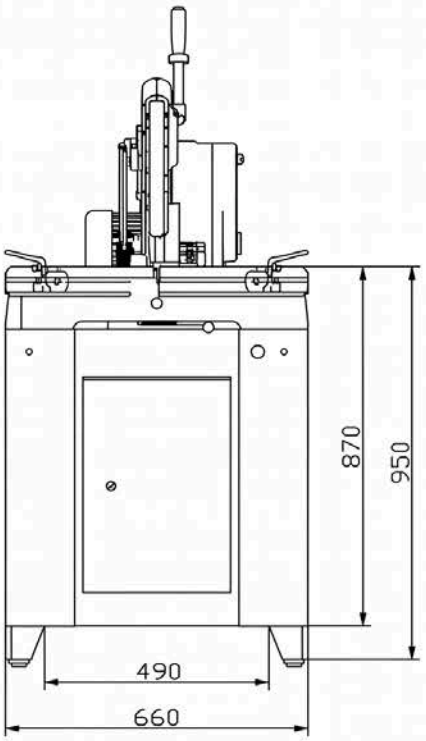
Locking Mechanisms: Black handles and levers are located above and below the yellow devices. These ensure the support is locked in the desired position.

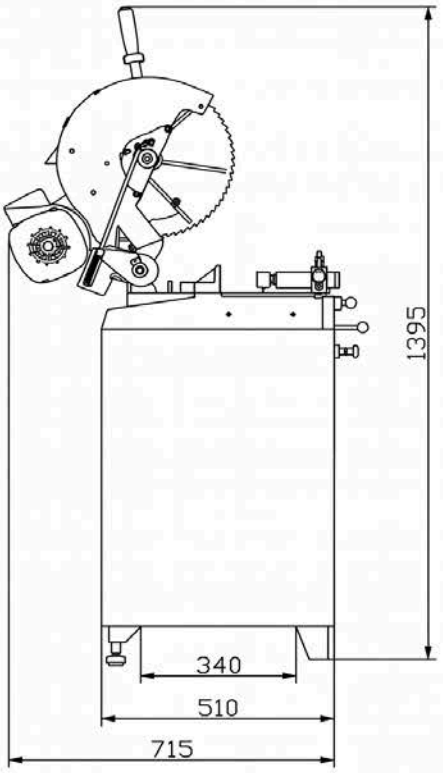
Support: The long black piece extending across the top is the surface on which the workpiece rests. This piece is precisely positioned in front of the angular table through the yellow devices.

General Design: The base and workpiece holding section enables the operator to perform repeatable and precise workpiece cutting at different angles.

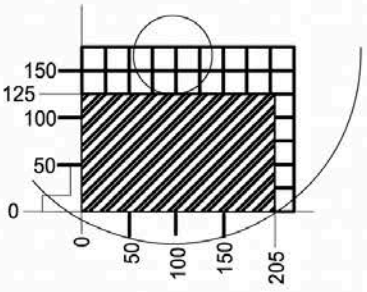
Technical Drawings

Technical Drawing 1

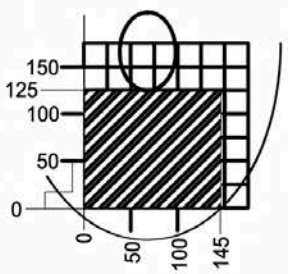




Ø400

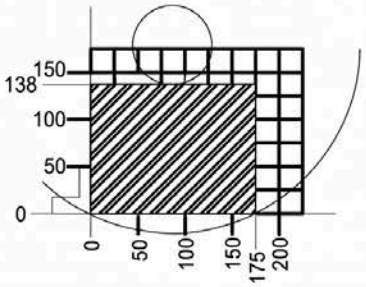


90° : 205 x 125 mm

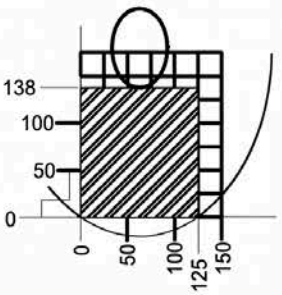


45° : 145 x 125 mm

Ø350



90° : 175 x 138 mm



45° : 125 x 138 mm

Technical Drawing 2



Technical Specifications

Motor Power

400 V/6 A/3~/50-60 Hz

2.2 kW (2200 Watt) /3 HP

Saw Blade Size

Ø 400 mm /30-32 mm

Dimensions

880 mm x 840 mm x 1450 mm

Net Weight: 115 Kg

iNTEL MAKiNA
INDUSTRY AND TRADING CORP.

Kayapa Organized Industrial Zone, Mavi St. No:45/45 Nilüfer,
BURSA/TURKIYE
+90 (224) 504 30 32 | info@intelmakina.com
www.intelmakina.com