



iNTEL MAKiNA
INDUSTRY AND TRADING CORP.

DC 400

Dual Head Top Cutting Machine

□ Last updated: July 21, 2026



Description

DC400 Dual Head Saw cuts aluminum profiles with 400 mm diameter and adjustable saw speed. You can perform precise cutting with the Hydro-Pneumatic system.

Highlights

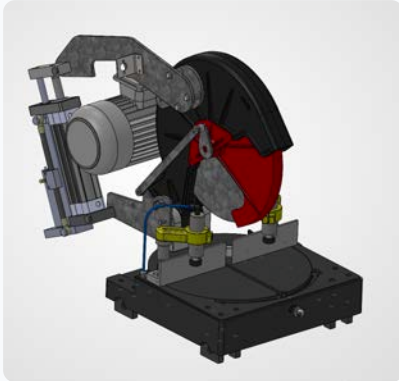
- ✓ 2x Ø 400 mm saw
- ✓ Digital display showing cutting length
- ✓ Spray saw cooling system
- ✓ Hydro-pneumatic controlled saw movement
- ✓ Cutting with internal and external stops at 0°-15°-22.5°-30°-45° angles
- ✓ 45° left – 45° right precise cutting at intermediate angles
- ✓ Left cutting unit is fixed while right cutting unit is manually shifted to position for cutting
- ✓ Maximum cutting length 3450 mm and minimum cutting length 470 mm

Optional Features

- + Chip extraction system,

- + Spare saw Ø 400 mm

Machine Components



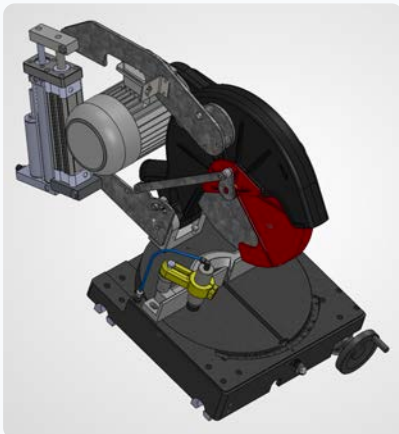
SAW AND TABLE SECTION FIXED

Ø 400 mm Automatic Cutting: By means of a hydro-pneumatic cylinder at the rear, it descends from above and performs cutting automatically and at fixed speed.

Rotating Angled Table: Allows precise angled cutting to the right and left at standard angles (15°, 22.5°, 30°, 45°).

Pneumatic Vertical Clamps: The dual vertical pistons on the table firmly secure the profile from above, preventing vibration and slippage during cutting.

Safe and Clean Operation: The automatically opening and closing protective cover provides work safety, while the internal cooling/lubrication line offers chipless cutting.



SAW AND TABLE SECTION MOVABLE

Positionable Movable Head: Slides along the rails on the chassis to the right and left, positioning itself in millimeter increments according to profile length.

Ø 400 mm Hydro-Pneumatic Cutting: With the rear cylinder group, it descends from above and performs cutting at a fixed and consistent speed, chipless.

Handwheel Degree Adjustment: By means of the handwheel at the front and circular scale, angle adjustments (15°, 22.5°, 30°, 45°) are made easily.

Pneumatic Clamping and Safety: While the vertical pneumatic piston secures the profile, the automatically opening protective cover provides complete work safety.



CHASSIS

Rigid Support Frame: Heavy-duty steel chassis that carries the cutting heads and profile loads, absorbing vibrations.

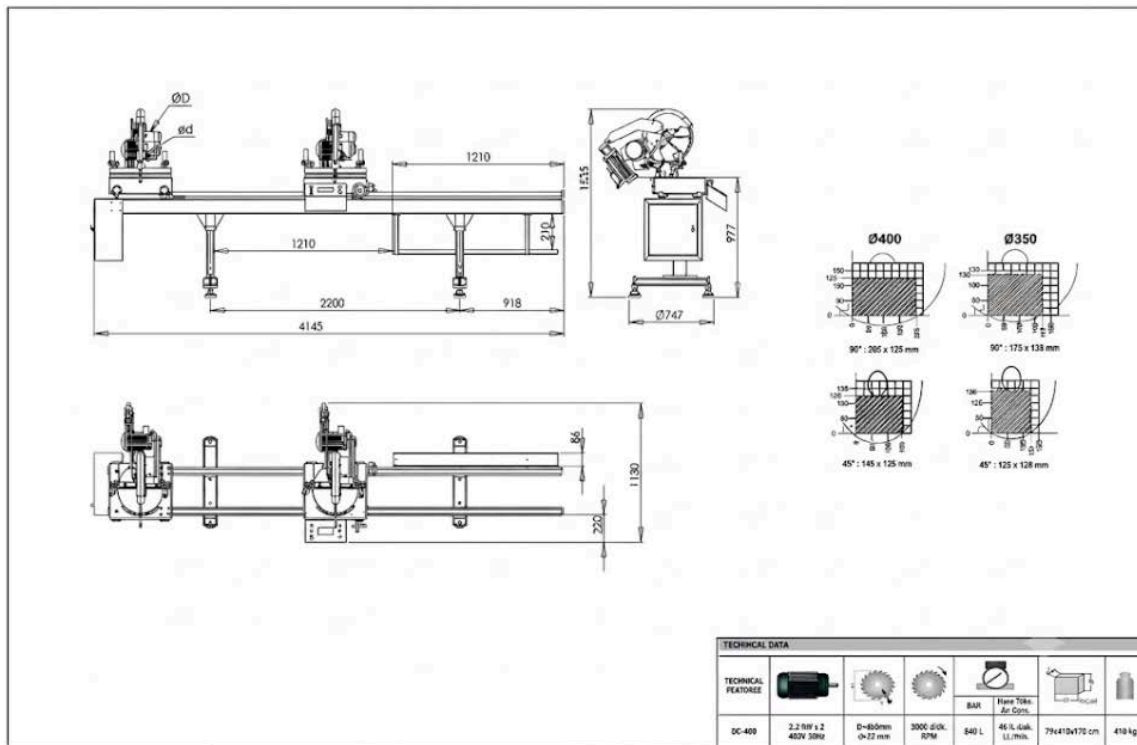
Precise Dual Guide Shaft: Parallel shafts running along the chassis enable the movable head to slide in millimeter increments without axial deviation.

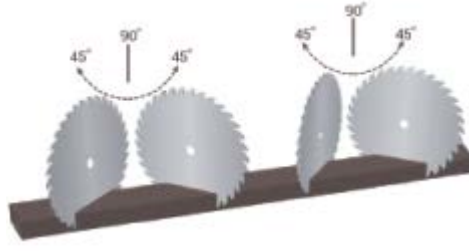
Centralized Control and Panel: PLC/HMI operator panel integrated into the chassis and lower electrical/pneumatic panel allow the entire machine to be controlled from a single point.

Deflection-Preventing Supports: Vertical profile shoes between the shafts prevent long profiles from sagging (deflecting).

Technical Drawings

Technical Drawing 1





Technical Specifications

Cutting

Motor Power	2.2 kW
Saw Diameter	400 mm

Technical Specifications

Air Pressure	6-8 Bar
Total Air Consumption	44 l/d
Voltage	400V
Power	3 kW
Weight	410 kg
Height	1700 mm
Width	750 mm
Length	4100 mm



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