

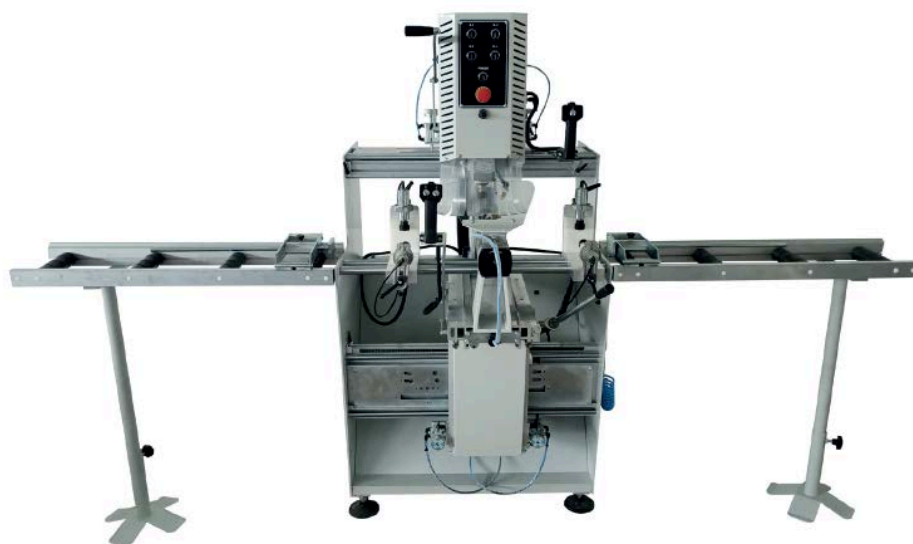


iNTEL MAKiNA
INDUSTRY AND TRADING CORP.

CR 500

Copy Milling Machine

□ Last updated: June 30, 2026



Description

3 Motor Copy Milling Machine

Designed to process lock holes on aluminum and PVC profiles on 3 sides without rotating the profile in a single pass. It is also used for barrel seat, handle holes, and espagnolette opening on door and leaf profiles.

Offers robust frame structure and high performance in series production.

Highlights

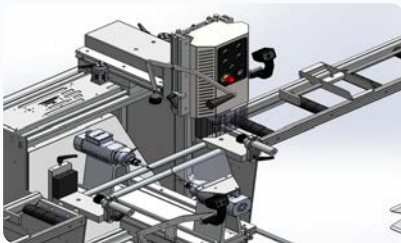
- ✓ 1 vertical and 2 horizontal copy milling motors (3 x 1.1 kW, 18.000 RPM)
- ✓ Capable of processing 3 sides quickly and precisely without rotating profiles
- ✓ 4 pneumatic clamps consisting of 2 vertical and 2 horizontal
- ✓ Horizontal and vertical template follower tips are pneumatic with 3 different diameters: Ø 5, Ø8, and Ø10
- ✓ Horizontal and vertical templates containing standard operations positioned horizontally and vertically
- ✓ High-precision bearing system facilitating operations, gas dampers, and ergonomic lever design

- ✓ Conveyor tables on right and left sides
- ✓ Manually adjustable support system with rules on right and left conveyors
- ✓ Spray tool cooling system

Optional Features

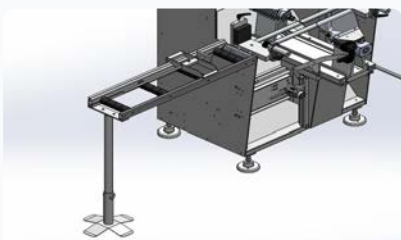
- + Milling bit suitable for desired (Ø) diameter
- + Custom copying templates

Machine Components



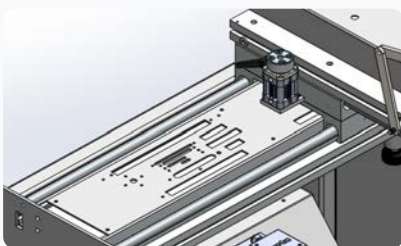
Milling Unit

The processing unit where milling operations are performed contains 3 air-cooled high-frequency motors. Thanks to specially designed cutting tools for water drainage, milling, lock hole drilling, and opening operations on PVC and aluminum profiles, fast processing is possible. The servo motor provides the ability to perform precise operations on every surface of the profile. The powerful clamping system maintains processing quality by securing the profile during operation while extending the service life of cutting tools.



Profile Measurement Support

The correct and precise positioning of the profile on the milling table is ensured through the feed measurement system. At the same time, the support it provides to the profile prevents possible deflection. The meter and support on the measurement system enable positioning of the profile's processing points.



Template

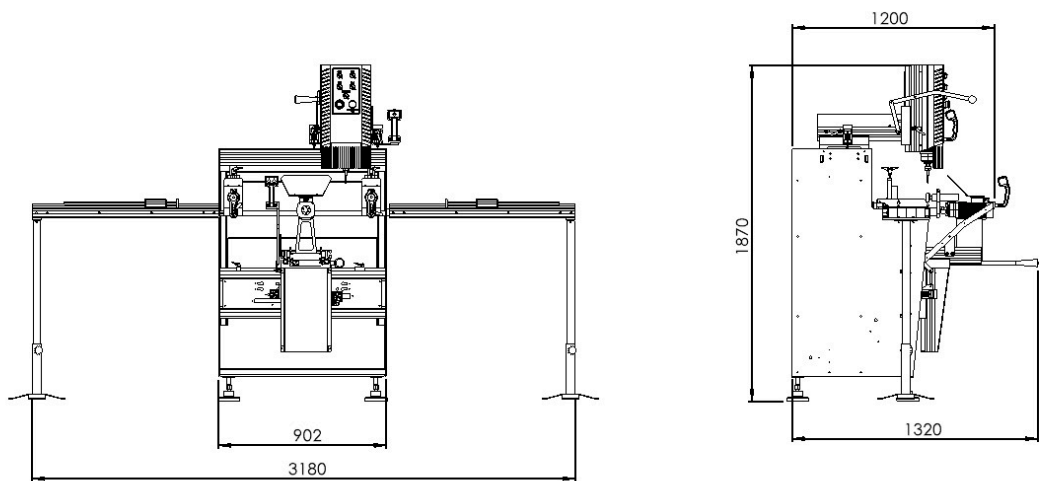
Points such as holes, barrel seats, and lock positions on the template mounted on the machine are precisely centered and adjusted by means of a special tip on the piston end.

Technical Drawings

Layout Plan 1

TEKNİK VERİLER						
TEKNİK ÖZELLİKLER						
			BAR	Hava Tüketimi		
CR 500	1.1 kW x 3 220V 300Hz	18000 RPM	6-8 Bar	10 Lt/dak.	1870x1200x3180 mm	350 Kg

Technical Drawing 1



Technical Specifications

MACHINE DIMENSIONS

Machine Height	1870 mm
Machine Length	1200 mm
Machine Width	3180 mm
Machine Weight	350 kg

PACKAGING DIMENSIONS

Machine Height	1867 mm
Machine Length	1200 mm
Machine Width	1130 mm

SAFETY

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SAFETY

Protective Cover	✓
Current Protection (Residual Current)	✓
Emergency Stop	✓
Piston Locking System	✓

TECHNICAL DATA

Voltage	1.1 kW x 3 220V 300Hz
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Bar	6-8 Bar
Air Consumption	10 Lt/min
Kilogram	350 kg
RPM	18000 RPM
Milling Bit	2 x Ø8 x L120 / 1 x Ø5 x L110 mm milling bit
Clamp	2x horizontal and 2x pneumatic vertical clamp
Spray Milling Tool Cooling System	✓

PROCESSING UNIT

Milling Bit (Ø)	2 x Ø8 / 1 x Ø5
ER20 Wrench	✓
ER20 Chuck	8 / 5
ER20 Nut	✓
Hertz Motor	3 x 1.1KW 220V 18000RPM 300HZ 5.7A

PROCESSING DIMENSIONS

X Axis	360 mm
Y Axis	160 mm
Z Axis	180 mm



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