

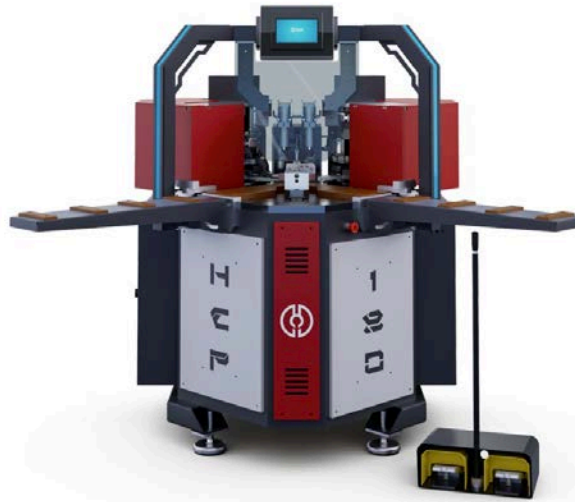


iNTEL MAKiNA
INDUSTRY AND TRADING CORP.

HCP 180

Automatic CNC Aluminum Corner Pressing Machine

□ Last updated: May 5, 2026



Description

Automatic CNC Aluminum Corner Pressing Machine, designed for precise pressing of aluminum profile corners to mount them together.

It is a machine that operates under full CNC control.

It has two special working heads, each equipped with two blades.

These blades are adjustable according to all pressing positions and can be moved independently along the Y axis (profile length), Z axis (vertical) and X axis (pressing direction) and adjusted to the desired position.

Thanks to this feature, automatic adjustment is made when working with different profile types.

Highlights

- ✓ High pressing force
- ✓ Simple and quick blade replacement capability
- ✓ Ability to work according to different profile sections
- ✓ Small frame assembly thanks to specially designed compression unit
- ✓ Pre-centering system suitable for easy loading and unloading
- ✓ Support arms (Right and Left)
- ✓ Hydro-Pneumatic locking

- ✓ 2 Pedal control
- ✓ 4 blade automatic motion control
- ✓ Synchronized pressing system
- ✓ Positioning adjustment capability with computer controlled 12 axes
- ✓ Easy user interface
- ✓ Touchscreen control panel
- ✓ Profile recipe creation
- ✓ 2 Pieces 6 mm. Blades
- ✓ 2 Pieces 3 mm. Blades

Optional Features

- + Profile-specific pressing blades

Machine Components

PROFILE TOP PRESSING SYSTEM

PROFILE SUPPORT ARMS

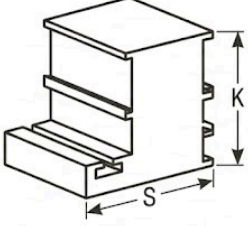
PROFILE REAR SUPPORT SYSTEM

PROFILE COUNTER PUSH SYSTEM

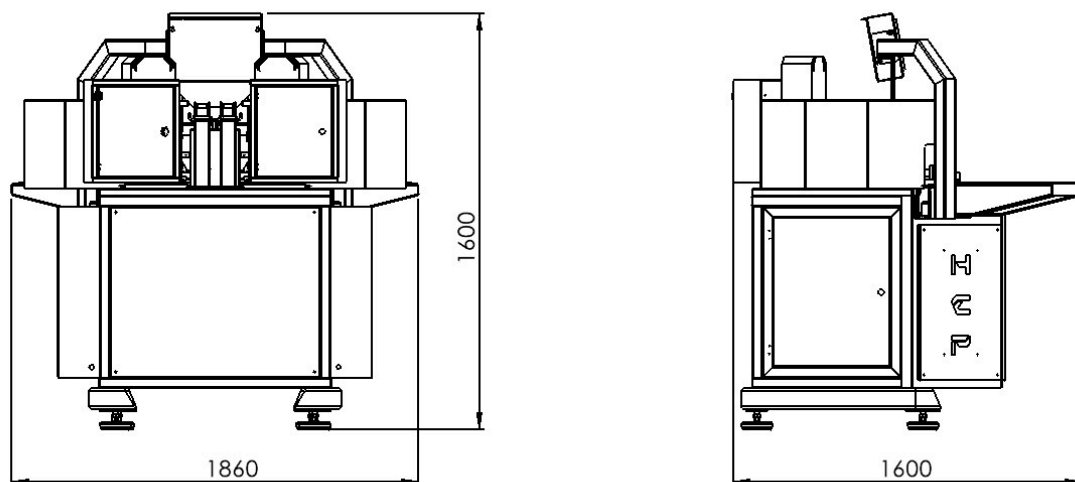
MOVABLE PRESSING SYSTEM

Technical Drawings

Layout Plan 1

ÖZEL AMAÇLI HCP PRES TEKNİK VERİLERİ				 GxDxY	 Ağırlık
		BASINÇ BAR	Hava tük. tük.		
MODEL HCP 180	S maks=120 mm K maks=180 mm	7-10	60	1457x1860x1600 mm	500 kg

Layout Plan 1



Technical Specifications

Technical Specifications

Pressure	3.5 t/cm ²
Air Consumption	60 lt / min.
Air Pressure	6-8 Bar
Support Arms (Right and Left)	
Standard Blade Pair	3 mm
Standard Blade Pair	6 mm
Adjustable Counter Push	✓
2-Axis Adjustable Rear Support	✓
Pressure Regulated Conditioner	✓
Support Arms (Right and Left)	✓
Max. Processable Profile Height	180
Max. Processable Profile Width	120
Top Pressing System	✓

Machine Dimensions

Machine Length	1457 mm
Machine Width	1860 mm
Machine Height	1600 mm
Machine Weight	500 Kg

Packaging Dimensions

Packaging Length	1450 mm
Packaging Width	1200 mm
Packaging Height	1850 mm

Safety

Protective Covers	✓
Current Protection (Leakage Current)	✓
Emergency Stop	✓
Hand protection system	✓



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