



iNTEL MAKiNA
INDUSTRY AND TRADING CORP.

VM 506

Automatic Single Head Corner Welding Machine

□ Last updated: July 29, 2026



Description

Single Corner Welding Machine

Designed for welding corners of PVC profiles. Welding can be performed at all angles from 30° to 180°. Maximum welding strength with high precision digital heat control device.

Before pressing, starting from 2 bar up to 6 bar, it welds both colored and white profiles with 0.2 mm precision. Welding seam limitation. Melting and welding time are digitally adjustable.

All operations are controlled through a digital touchscreen. Long-lasting heating plates distribute heat homogeneously.

Easy cleaning of heater plates. Thanks to the special Teflon system, long-lasting Teflon usage and easy replacement. Practical welding fixture changing system.

Highlights

- ✓ Two-stage pressure system operating at 2 bar first, then 6 bar, providing hand protection to increase operator safety.
- ✓ Features the ability to weld at maximum strength.
- ✓ +/- 0.2 mm welding precision

- ✓ Melting and joining times are digitally adjustable.
- ✓ Heating temperature and time parameters can be adjusted separately
- ✓ Homogeneous heating with special heating plates
- ✓ More efficient and longer-lasting Teflon thanks to special Teflon system on heating plates
- ✓ Time-saving special design mold system
- ✓ Easy welding on large frames thanks to support arms
- ✓ Welding height 200 mm (Max.)
- ✓ Designed in accordance with CE standards.
- ✓ Fully safe against work accidents.
- ✓ Process precision provided by linear rail and carriage bearing system.

Optional Features

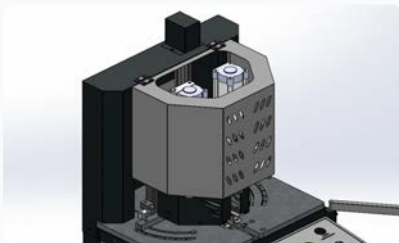
- + Special welding molds upon request

Machine Components



Profile Measurement Support

The precise and accurate positioning of the profile on the welding table is provided through the feed measurement. At the same time, the support it provides to the profile prevents possible deflections.



Safety

The protective cover during the welding process provides a safe working environment. The protective plates on the pressing groups are designed to prevent the operator's hands from being injured.

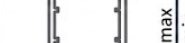


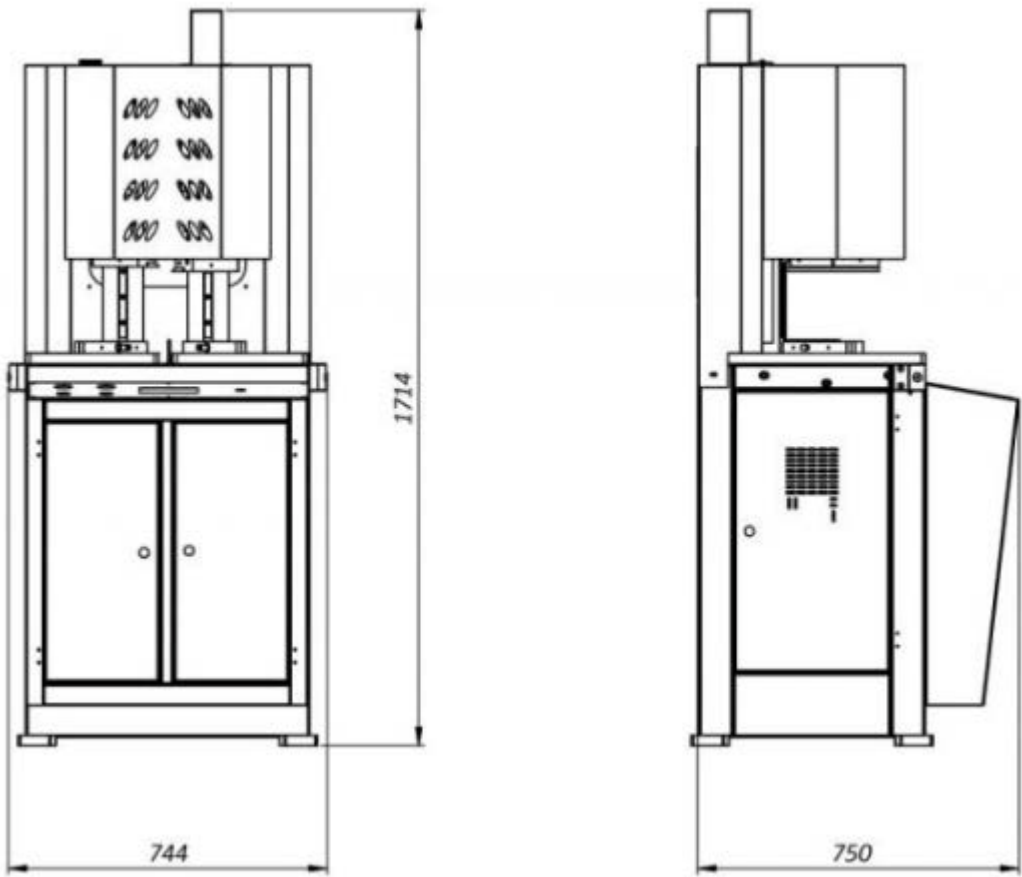
Control Panel

All parameters such as melting time, adhesion time, and welding pressure can be adjusted independently from the control panel. Additionally, there is a regulator and manometer system for adjusting and controlling low pressure, high pressure, and table pressure.

Technical Drawings

Layout Plan 1

TEKNİK VERİLER									
TEKNİK ÖZELLİKLER									
		a mak.	a min.	b mak.	b min.	BAR	Hava Tüketimi	GxDxy	KG
VM 506	2 kW 220V 50Hz	200 mm	40 mm	210 mm	...	6-8 Bar	17 Lt/dak	750x750x1700 mm	85 kg



Technical Specifications

MACHINE DIMENSIONS	
Machine Height	1700 mm
Machine Length	750 mm
Machine Width	750 mm
Machine Weight	85 kg
PACKAGING DIMENSIONS	
Machine Height	1850 mm
Machine Length	780 mm
Machine Width	770 mm
SAFETY	
Protective Covers	✓

Current Protection (Leakage Current)	✓
Emergency Stop	✓
Hand Protection System	✓

TECHNICAL SPECIFICATIONS

Minimum Welding Distance (Height)	40 mm
Maximum Welding Distance (Height)	200 mm
Maximum Welding Width	210 mm
Air Consumption	17 Lt/min
Voltage	2 Kw 220V
Frequency	50 Hz
Bar	6-8 Bar



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