



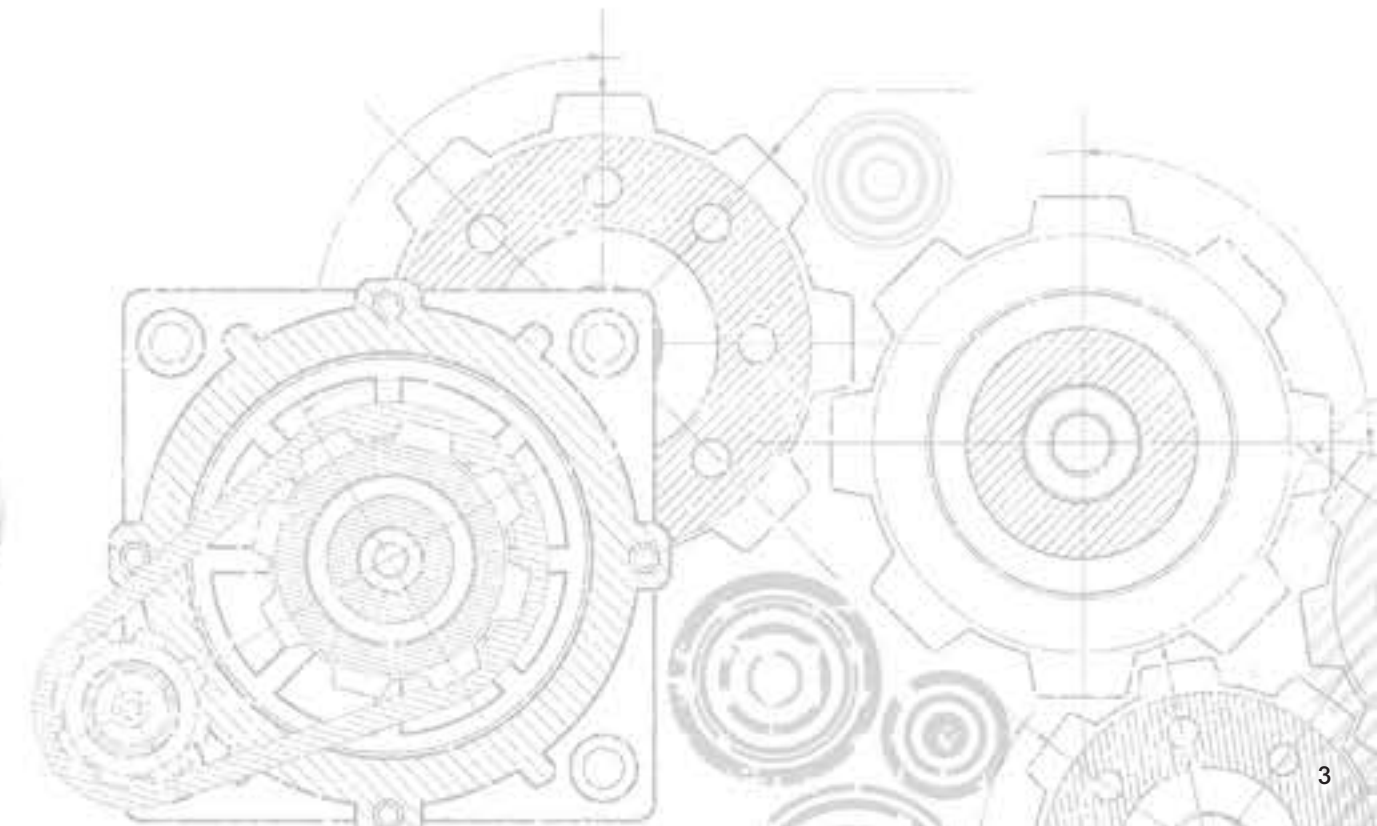
PVC
ALUMINUM
GLASS

INTELLIGENT MACHINES



"INTEL MAKİNA INDUSTRY AND TRADING CORP."

It incorporated Intel Makina A.Ş. Producing solutions covering all processes in uPvc and Aluminum automation. Intel Makina A.Ş., to increase the working efficiency of factories and the comfort of employees continues to improve its superior technology day by day.





"7000
SQUARE METERS"

In the machinery sector, by increasing its facilities of 5000 square meters to 7000 square meters, technological machines started production.

"INTELLIGENT MACHINES"

Sönmez Makina has achieved its worldwide experience in its sector since 1971. As a result of R&D investments in recent years in order to produce technological machines in the sector.

By constantly monitoring new trends and customer expectations, having advanced technology, designs and manufactures highvalue environmentally friendly and energy-saving technological machines.



INTEL MAKINA'S INTELLIGENT MACHINES

SIRIUS D550

Pvc Profile Machining and Cutting Center.....10-11

CKF 550

Double Head Cutting Machine 550 mm.....12-13

CW400

Pvc Four Head Welding Machine.....14-15

SC 500

Automatic Aluminium Sawing and Drilling Machine.....16-17

CC 200

CNC PVC Profile Corner Cleaning Machine.....18-19

CP 100

Aluminium Corner Crimping Machine.....20-21

FC 550

Automatic Profile Cutting Center.....22-23

VCM 300

PVC V Cutting Machine.....24-25

TW 200

Aluminium Facade Notching Machine26-27

VW 180

PVC V Welding Machine28-29

SIRIUS D550

Pvc Profile Machining and Cutting Center ELEKTRİK

380-400V, 3ph, 50-60 Hz ELECTRIC VALUES •
Ø550 SAW OUTSIDE DIAMETER •
3000 D/min. RPM •
450 lt/min AIR CONSUMPTION •
6-8 Bar AIR PRESSURE •



TECHNICAL SPECIFICATIONS

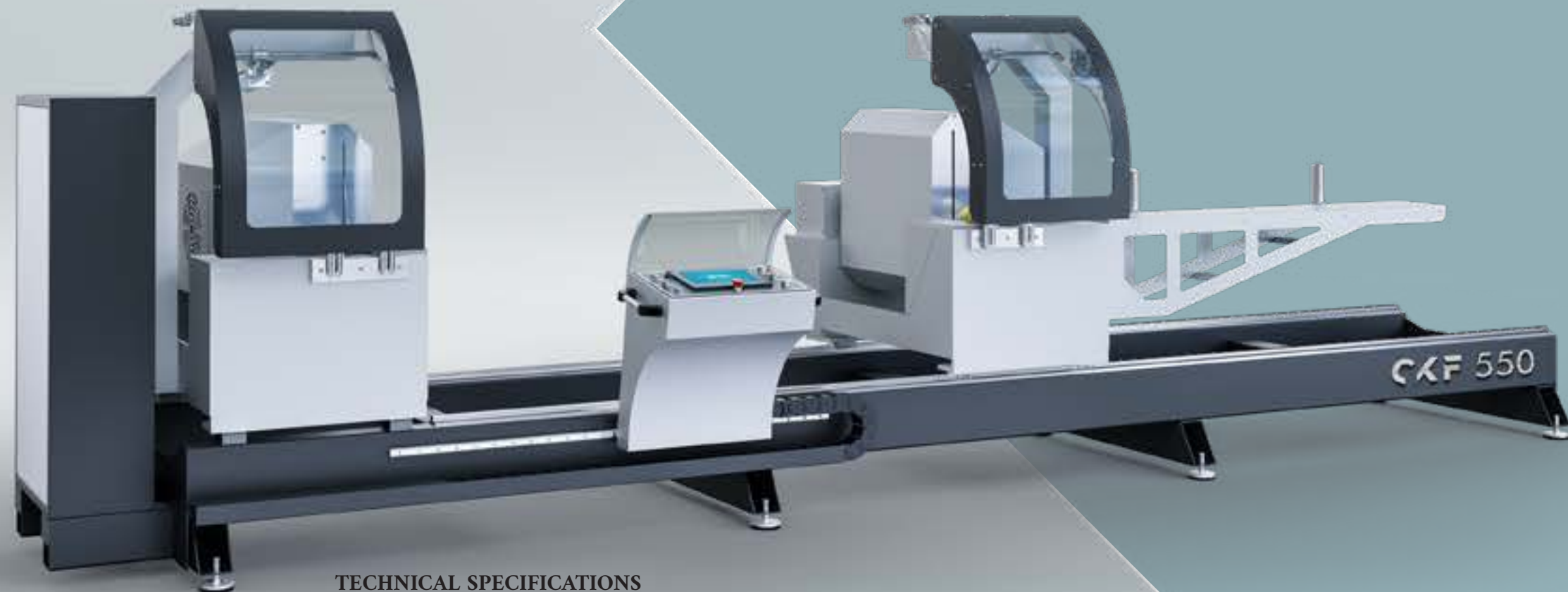
- It carries out the milling and cutting operations of PVC Profiles • Provides measurement stability thanks to its linear measuring system
- It has automatic lubrication system • Thanks to its easy-to-use and flexible operating system, it works compatible with all chopping and optimization programs • There is a working algorithm in accordance with the principle of minimum waste and maximum production
- Waste can be automatically optimized and evaluated within the cut lists sent • Parameters can be adjusted easily • Usb port

- 9 profiles can be loaded on the input conveyor • Profile loading capacity can be increased optionally • Profile transport and positioning, automatic profile recognition feature • Minimum 900 mm., Maximum 7000 mm. It measures the profile size automatically. (There is an infinite length processing option) • There is a warning system that prevents setting the wrong profile • Exit robot automatically transfers onto the conveyor
- If desired, a label can be printed out from the barcode printer for each finished piece, and convenience can be provided for the production organization



CKF 550

Double Head Cutting
Machine 550 mm



TECHNICAL SPECIFICATIONS

• High precision cutting of PVC and Aluminium profiles • Strong construction, linear rail and sliding-bearing system for precise length and angle • The saw heads tilt automatically for 45° and 90° cutting and easy manual fixation for intermediate angles • Easily adjustable blade cutting speed • Profile support system to balance the work piece • Ergonomic design for ease of use • Self-closing protective hoods for work safety

• Vertical and horizontal pneumatic profile clamping system for the best fixation • The left head of the machine is fixed and the right head moves on the chassis • Cooling system to cut Aluminium profiles • Hydro-pneumatic system to cut Aluminium profiles

OPTIONAL: Barcode printer system



CW400

Pvc Four Head Welding Machine



TECHNICAL SPECIFICATIONS

• 90° welding of PVC Profiles with high precision on all four corners at the same time • All axes of our machine move with Servo motor system (3 Servo motors) • 0.2 and 2 mm. Internally designed construction that enables automatic welding range selection • Strong Body • High performance industrial PC with 22" touch screen, equipped with Windows XP Embedded operating system • Ability to transfer data via wireless network connection, wired network connection or USB • Ability to create a knowledge base from individual source parameters for all profiles in the enterprise • Temperature, melting and joining time that can be defined separately for each profile

• Depending on the torque values of the servo motors, melting long dimensions up to 2 mm and bringing them to the desired size • Fast and easy Teflon replacement with the coiled Teflon changing system • Welding die system that can be changed quickly and easily • Working effectively under appropriate pressure with pressure control system • It can weld with the same precision on colored profiles as it is on white profiles • Maintenance time is at minimum level with the lubrication system • Fully safe machine design with safety equipment in compliance with CE norms • High stability and accuracy data transfer by connecting CNC Corner Cleaning Machine with industrial Ethernet connection method • Being able to see all error messages and system status on the screen with the HMI program • Providing service with remote connection method and problem detection and solution by connecting to the entire automation system • Barcode Scanner is offered as standard

OPTIONAL: Gasket Pressure System • Welding patterns



SC 500

Automatic Aluminium
Sawing and
Drilling Machine



TECHNICAL SPECIFICATIONS

- Suitable for slicing and vertical hole drilling in large volumes of window and industrial profiles
- Equipped with high performance servo motors
- Time saving is achieved with servo-controlled profile advance speed
- Horizontal and vertical clamping system
- High cutting precision
- Ability to make multiple cuts in single or bond form
- Saw cooling system
- The machine stops automatically when it reaches the Number of Cuts
- Pneumatically opening safety cover
- Profile feeding stroke (5 - 1000 mm) in one go. There is no limit to the maximum



CC 200

CNC PVC Profile Corner Cleaning Machine



TECHNICAL SPECIFICATIONS

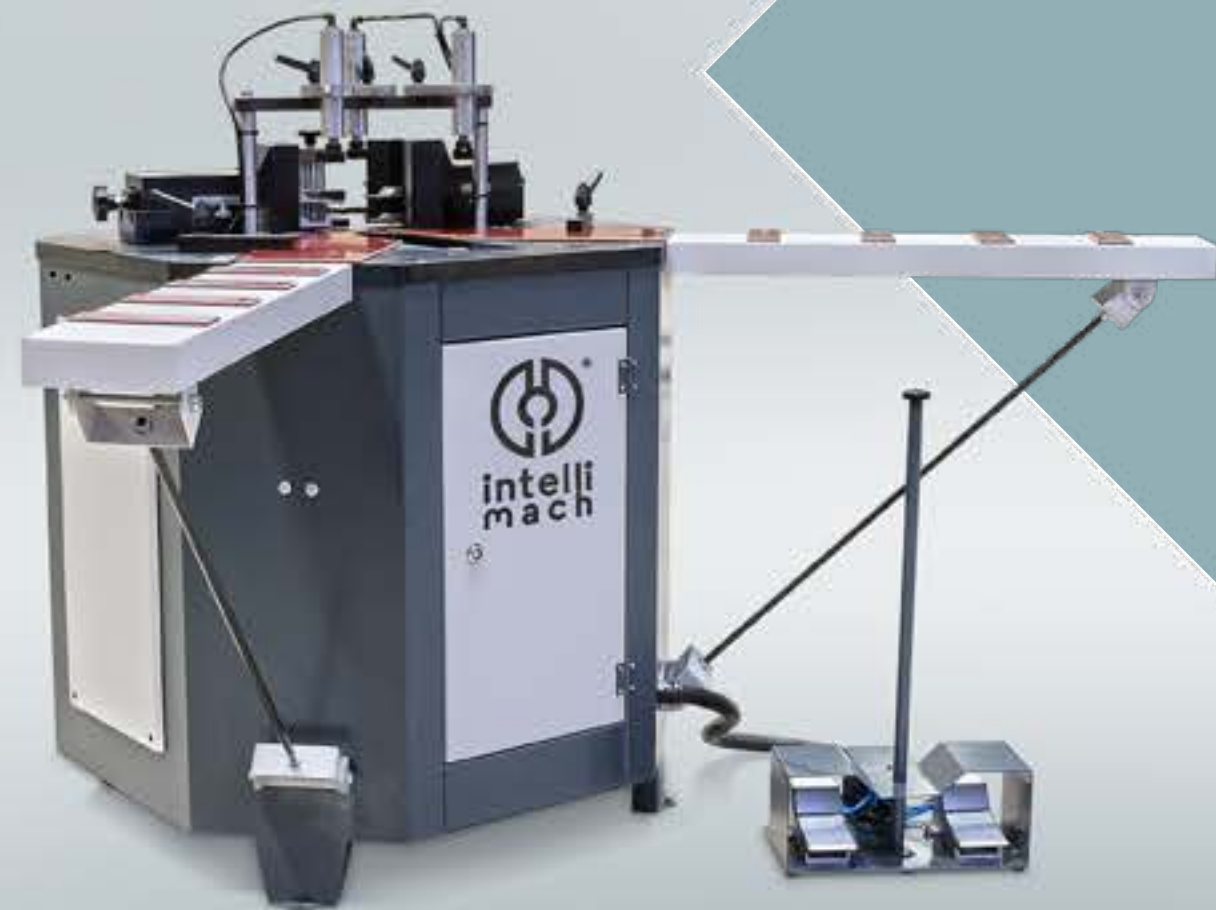
- High speed precision control system with 2-axis servo motors
- Easy programming from DXF
- Ability to define and recognize different profile heights
- Surface cleaning tool selection feature according to colored or white profiles
- Allow remote connection and control access via network connection
- Industrial PC based control panel unit
- Easy file transfer with USB
- 22 inch touch screen
- Automatic Lubrication System
- It has the ability to define and process files in dxf and dwg formats created in cad programs with Windows-based PC operating system
- Maximum 200 mm minimum 40 mm profile processing range
- Ability to operate with 11 tools

OPTIONAL : Optionally, it can be connected to a 2-axis robotic turning station and can be adapted to a 4-corner welding machine.



CP 100

Aluminium Corner Crimping Machine



TECHNICAL SPECIFICATIONS

- Corner joining process by pressing the corners of aluminum profiles in large sizes and at high quality standards
- The machine is easy to install and operate
- Thanks to the magnetic blade adjustment system, easy blade adjustment can be made
- It has the possibility to change the blades simply and quickly
- High pressing power with hydropneumatic system
- Opportunity to work according to different profile sections
- Small frames can be joined thanks to the specially designed clamping unit
- The front miter system is designed in accordance with the easy profile loading and unloading system
- The pressing system is made with a step-by-step foot pedal
- Support arms are included as standard
- Profile joining up to 200mm high



FC 550

Automatic Profile Cutting Center



TECHNICAL SPECIFICATIONS

- 550 mm of down cutting saw blade
- Servo control system ensuring movement at 4 axes
- Average time for single piece cut: 8 -10 sec/pc.
- Processing capacity of 2300-2500 running meters /8 hours
- Protection cabinet around cutting head
- Servo controlled pneumatic gripper for accurate positioning of the profiles
- Property of full automatic feeding, positioning, cutting and transferring the profiles
- Automatic conveyor unit able to feed 9 pcs of profiles
- Windows based PC and 22" LCD industrial touch screen color monitor

- Remote connection and providing technical support
- Interface program easily integrated to all the drawing programs
- Frame and sash recognition system
- Profile width and height dimension control system
- Flat type of scrap conveyor
- Automatic lubrication system
- Spray mist saw blade lubrication
- Low pressure control for saw blade safety operation
- Door safety switch
- LED interior lighting with very low energy consumption
- Safety fence around the machine



VCM 300

PVC V Cutting Machine



TECHNICAL SPECIFICATIONS

- V cutting and length cutting up to (a) 65 mm width of PVC profiles
- 2 pieces of vertical Ø300 saw located at 45° on machine
- Double support measurement system at both sides of the machine
- It can cut profiles up to a maximum height of 100mm.
- It can cut a maximum depth of 80 mm.



TW 200

Aluminium Facade Notching Machine



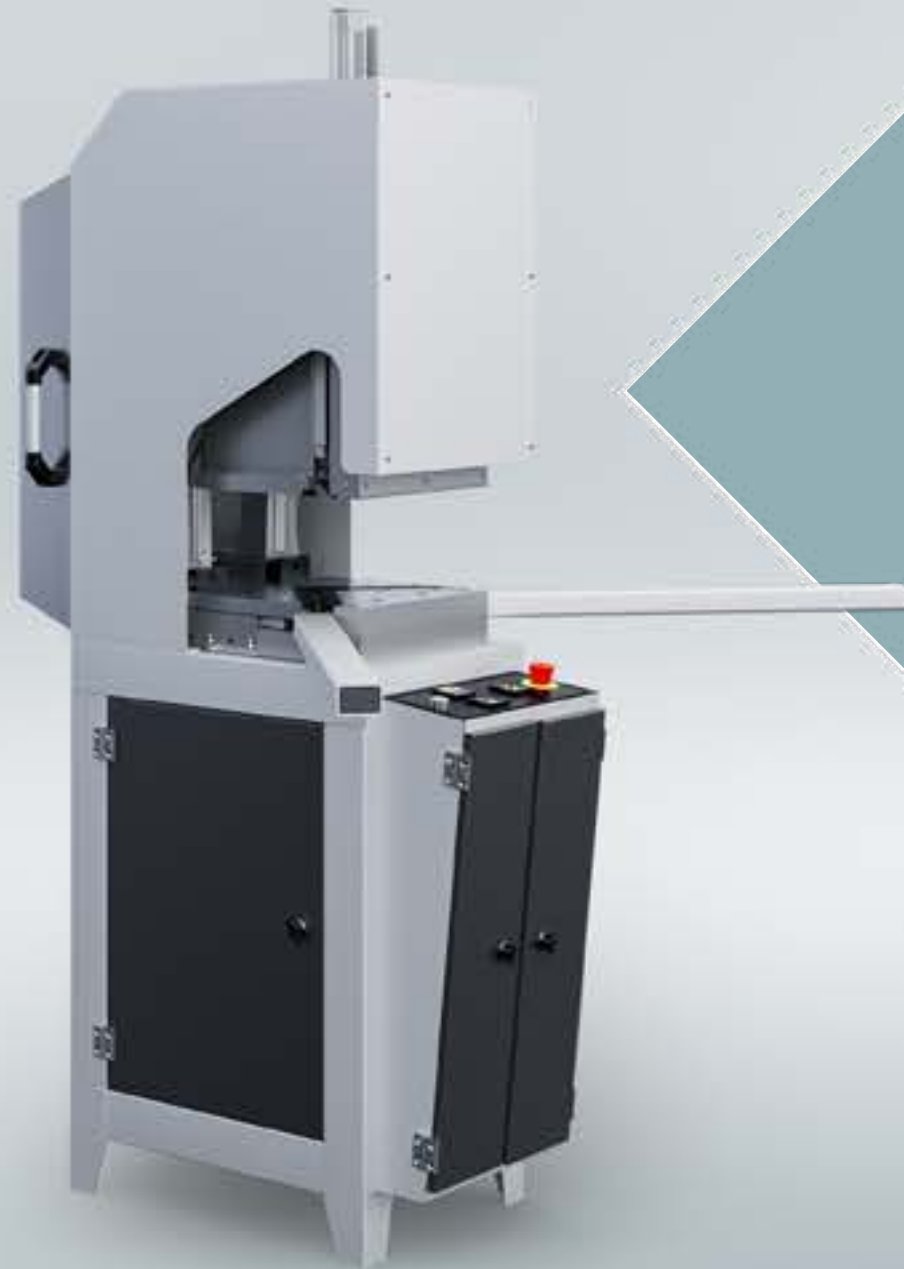
TECHNICAL SPECIFICATIONS

- 1x saw unit lower (vertical) with \varnothing 500 mm dia. and 1 x saw unit upper (horizontal) with \varnothing 450 mm dia
- Full automatic sawing unit with adjustable feed rate with worm gear spindle
- Angle adjustment of the sawing units and miter adjustment of the profile by hand wheel with digital displays
- Height adjustment of the profile support table by hand wheel with band ruler
- Depth stop adjustment by hand wheel by numerical mechanical display
- 3 x pneumatic clamps that allow the profile to be credibly attached at any angle
- Cast iron and steel construction of the body that is strong and lasting
- Two-hand safety module
- Very easy saw wear adjustment
- Interior LED lighting
- Spray saw blade lubrication system



VW 180

PVC V Welding Machine





TECHNICAL SPECIFICATIONS


- Welding operations on PVC profiles • 90° welding of PVC profiles • Double support measurement system at both sides of the machine
- Practical mould change system • Precision of welding quality thanks to linear rails • Normal and zero (0,2 mm) welding adjustment
- Digital setting of heating values • Practical folding profile support table







 Kayapa Sanayi Bölgesi 613. Sk. No:2/B, Kayapa,
Nilüfer / BURSA / TÜRKİYE

 +90 (224) 504 30 32

 +90 (224) 367 00 49

 info@intelmakina.com
export@intelmakina.com

 www.intelmakina.com

