

The Perfect Technology for Your Doors & Windows



SINGLE HEAD CUTTING **ALUMINIUM UPVC**



Feature

- This machine is suitable for cutting aluminum-plastic profiles at 45°L, 90° & 45°R, with high dimensional accuracy, simple operation, reliable performance and advanced technology.
- The tool adopts carbide circular saw blade, which has fast cutting speed and high production efficiency. It is an ideal equipment for mass production of aluminum-plastic doors and windows.

Technical Specifications

Sawing width	mm	115
Saw blade specification	mm	ø350 x ø30
Rotating speed	rpm	2800
Saw blade tilting	degree	45°L, 90°, 45°R
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	380 / 50
Power	kw	1.1
Dimensions	mm	5470 x 1000 x 1500

SINGLE HEAD WELDING **UPVC**



Feature

- Plastic door and window welding machine is one of the necessary equipment for processing plastic doors and windows, and can independently complete the whole process of plastic door and window welding. This machine has the characteristics of advanced technology, reliable performance and simple operation.
- The machine adopts PC control, pneumatic transmission, and the motion pair uses CM oil-free lubricating bearings and linear motion ball bearings, with high precision, simple operation, convenient maintenance and wide processing range.
- There is a machine head that also meets the user's requirements for welding arc windows and other special-shaped doors & windows.

Technical Specifications

Processing profile height	mm	20 - 140
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	220 / 50
Power	kw	1.2
Dimensions	mm	1500 x 1900 x 1600

SINGLE HEAD SEAMLESS WELDING **UPVC**



Feature

- Plastic door and window welding machine is one of the necessary equipment for processing plastic doors and windows, and can independently complete the whole process of plastic door and window welding. This machine has the characteristics of advanced technology, reliable performance and simple operation.
- The machine adopts PC control, pneumatic transmission, and the motion pair uses CM oil-free lubricating bearings and linear motion ball bearings, with high precision, simple operation, convenient maintenance and wide processing range.
- This machine creates invisible, strong joints using thermal fusion and pneumatic pressure. It is suitable for colored profiles.

Technical Specifications

Processing profile height	mm	20 - 140
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	220 / 50
Power	kw	1.5
Dimensions	mm	1500 x 1900 x 1600

TWO HEAD WELDING **UPVC**



Feature

- Plastic door and window welding machine is one of the necessary equipment for processing plastic doors and windows, and can independently complete the whole process of plastic door and window welding. This machine has the characteristics of advanced technology, reliable performance and simple operation.
- The machine adopts PC control, pneumatic transmission, and the motion pair uses CM oil-free lubricating bearings and linear motion ball bearings, with high precision, simple operation, convenient maintenance and wide processing range.
- There is a machine head with the function of welding any angle, which meets the user's requirements for welding arc windows and other special-shaped doors and windows.
- The two heads can be single-acted separately, or can be linked in any combination.

Technical Specifications

Processing profile height	mm	20 - 140
Welding range	mm	400 - 3500
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	220 / 50
Power	kw	2.5
Dimensions	mm	4000 x 900 x 1750

THREE HEAD WELDING **UPVC**



Feature

- Plastic door and window welding machine is one of the necessary equipment for processing plastic doors and windows, and can independently complete the whole process of plastic door and window welding. This machine has the characteristics of advanced technology, reliable performance and simple operation.
- The machine adopts PC control, pneumatic transmission, and the motion pair uses CM oil-free lubricating bearings and linear motion ball bearings, with high precision, simple operation, convenient maintenance and wide processing range.
- There is a machine head with the function of welding any angle, which meets the user's requirements for welding arc windows and other special-shaped doors and windows.
- The three heads can move individually, or can be linked in any combination.

Technical Specifications

Processing profile height	mm	20 - 140
Welding range	mm	400 - 3500
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	220 / 50
Power	kw	3.7
Dimensions	mm	5300 x 900 x 1750

TWO HEAD SEAMLESS WELDING **UPVC**



Feature

- Plastic door and window welding machine is one of the necessary equipment for processing plastic doors and windows, and can independently complete the whole process of plastic door and window welding. This machine has the characteristics of advanced technology, reliable performance and simple operation.
- The machine adopts PC control, pneumatic transmission, and the motion pair uses CM oil-free lubricating bearings and linear motion ball bearings, with high precision, simple operation, convenient maintenance and wide processing range.
- This machine creates invisible, strong joints using thermal fusion and pneumatic pressure. It is suitable for colored profiles.
- There is a machine head with the function of welding any angle, which meets the user's requirements for welding arc windows and other special-shaped doors and windows.

Technical Specifications

Processing profile height	mm	20 - 140
Welding range	mm	400 - 3500
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	220 / 50
Power	kw	2.5
Dimensions	mm	5300 x 900 x 1750

LOCK HOLE PROCESSING ALUMINIUM UPVC

(Copy Router)



Feature

- Designed for drilling holes in aluminum-plastic doors and windows, it can process three holes in a row and lock holes for door and window locks at the same time.
- A three-point handle can also be installed, and the device can also be used as a copy milling machine.

Technical Specifications

Copy range	mm	300 x 95 x 100
Three-hole drill diameter	mm	12
Copy cutter diameter	mm	ø5 to ø8
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	380 / 50
Power	kw	2.5
Dimensions	mm	2600 x 1200 x 1450

END MILLING ALUMINIUM UPVC



Feature

- Suitable for all kinds of profile end face, step surface forming.
- Equipped with an integrated spindle, so that the machining accuracy is high and stable.
- The worktable can be adjusted up and down, making it easy to adjust the knife.
- The spindle of the tool is connected by the rotary shaft, and the slightly running of the motor spindle will not affect the working accuracy of the tool.

Technical Specifications

Milling cutter diameter	mm	ø110 - ø220
Inner shaft diameter	mm	30
Rotating speed	rpm	2800
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	380 / 50
Power	kw	2.2
Dimensions	mm	850 x 750 x 1300

GLAZING BEAD SAW UPVC



Feature

- This machine can complete the cutting process of glass bead.
- Equipped with a measuring and positioning ruler, the glass bead is processed according to the actual required length, thereby ensuring the dimensional accuracy of the glass bead when cutting, and eliminating the error in the assembly of the window or frame sash and the bead after processing.

Technical Specifications

Processing profile length	mm	320 - 1800
Rotating speed	rpm	2800
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	380 / 50
Power	kw	1.5
Dimensions	mm	2300 x 1480 x 1300

V-NOTCH CUTTING UPVC



Feature

- This machine is used for automatic V-Cutting of upvc window profile.
- Two hand safety operation, pneumatic clamping, adjustable V-notch depth based on different profile.
- Two saw blade on two separate motor fixed at 45° without cross.

Technical Specifications

Sawing height	mm	20 - 60
Saw width	mm	120
Sawing length	mm	320 - 1800
Rotating speed	rpm	2800
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	380 / 50
Power	kw	1.5
Dimensions	mm	1350 x 500 x 1550

WATER SLOT ROUTER ALUMINIUM UPVC



Feature

- Professionally used for milling drainage grooves and air pressure balance holes of PVC doors and windows.
- Adopting a modular structure, the whole machine consists of six milling heads, which can be single-acted or linked, with free choice and convenient control.
- The feeding cylinder adopts gas-liquid damping device, which runs smoothly.

Technical Specifications

Slot width	mm	4 - 5
Slot length	mm	30 - 60
Slot depth	mm	30
Motor Speed	rpm	2800
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	220 / 50
Power	kw	1
Dimensions	mm	1250 x 850 x 1450

MULLION SAW UPVC



Feature

- Automatic mullion cutting machine for upvc profile.
- Two hand safety operation, pneumatic clamping, adjustable mullion cutting depth based on different profile.

Technical Specifications

V depth-max	mm	65
Cutting positioning length	mm	300 - 1700
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	380 / 50
Power	kw	2.2
Dimensions	mm	2200 x 500 x 1550

MANUAL CORNER CLEANING UPVC



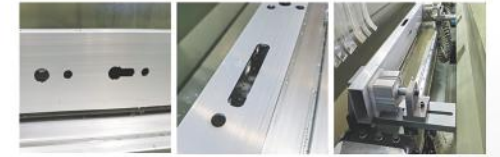
Feature

- This machine is mainly used for cleaning the corner welds of plastic doors and windows. It is a mechanical and electrical machine integrating pneumatic, mechanical and body equipment.
- It has many functions such as vertical milling, saw milling and broaching, and has the characteristics of good processing quality and convenient operation and adjustment.

Technical Specifications

Processing profile height	mm	30 - 140
Processing profile width	mm	30 - 120
Rotating speed	rpm	2800
Working pressure	kg/cm ²	5 to 8
Dimensions	mm	1050 x 670 x 1370

CNC MILLING DRILLING ALUMINIUM UPVC



Feature

- Advanced CNC profile machining system with user friendly operation.
- Suitable for aluminium, wood composite, UPVC profiles.
- Machine complete milling, drilling, chamfering, grooving and other multi functional operations in one time.

Technical Specifications

Stroke X Axis	mm	500
Y Axis	mm	380
Z Axis	mm	290
Rotating speed	rpm	2800
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	380 / 50
Power	kw	2.2
Dimensions	mm	1500 x 1200 x 1500

CNC CORNER CLEANING UPVC



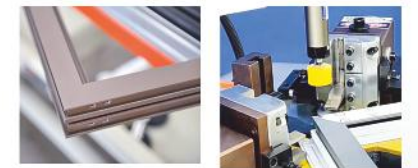
Feature

- This machine is mainly used for cleaning the corner welds of plastic doors and windows. It is a mechatronics equipment integrating pneumatic, mechanical and numerical control technologies.
- It has many functions such as vertical milling, saw milling and broaching, high automation, good processing quality, & convenient operation and adjustment.
- Using international machine tool numerical control system, two-dimensional processing programs can be set according to different profiles, and up to 100 kinds of processing programs can be set & stored.

Technical Specifications

Processing profile height	mm	30 - 140
Processing profile width	mm	30 - 140
Rotating speed	rpm	2800
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	380 / 50
Power	kw	3.0
Dimensions	mm	2000 x 1930 x 1500

CORNER CRIMPING ALUMINIUM



Feature

- This machine is mainly used for crimping the 90° corner of aluminium windows & doors.
- It adopt new mechanical linkage device, completes synchronous corner joining.
- Adjustable setting device suitable for various profile & size processing.

Technical Specifications

Processing profile height	mm	120
Working pressure	kg/cm ²	5 to 8
Power supply	V/Hz	380 / 50
Power	kw	1.5
Dimensions	mm	1000 x 1100 x 1300

PORTABLE CORNER CLEANER UPVC



PORTABLE WATER SLOT



PROFILE BENDING UPVC

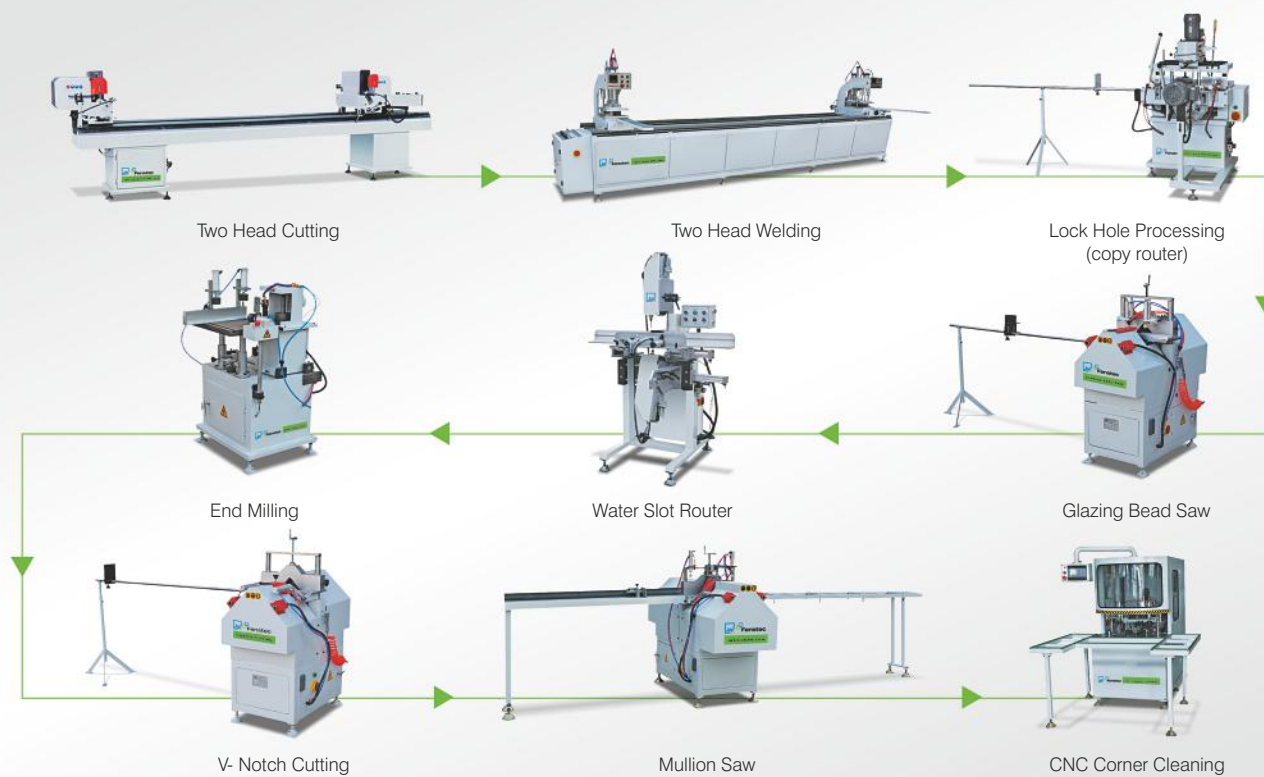


Feature

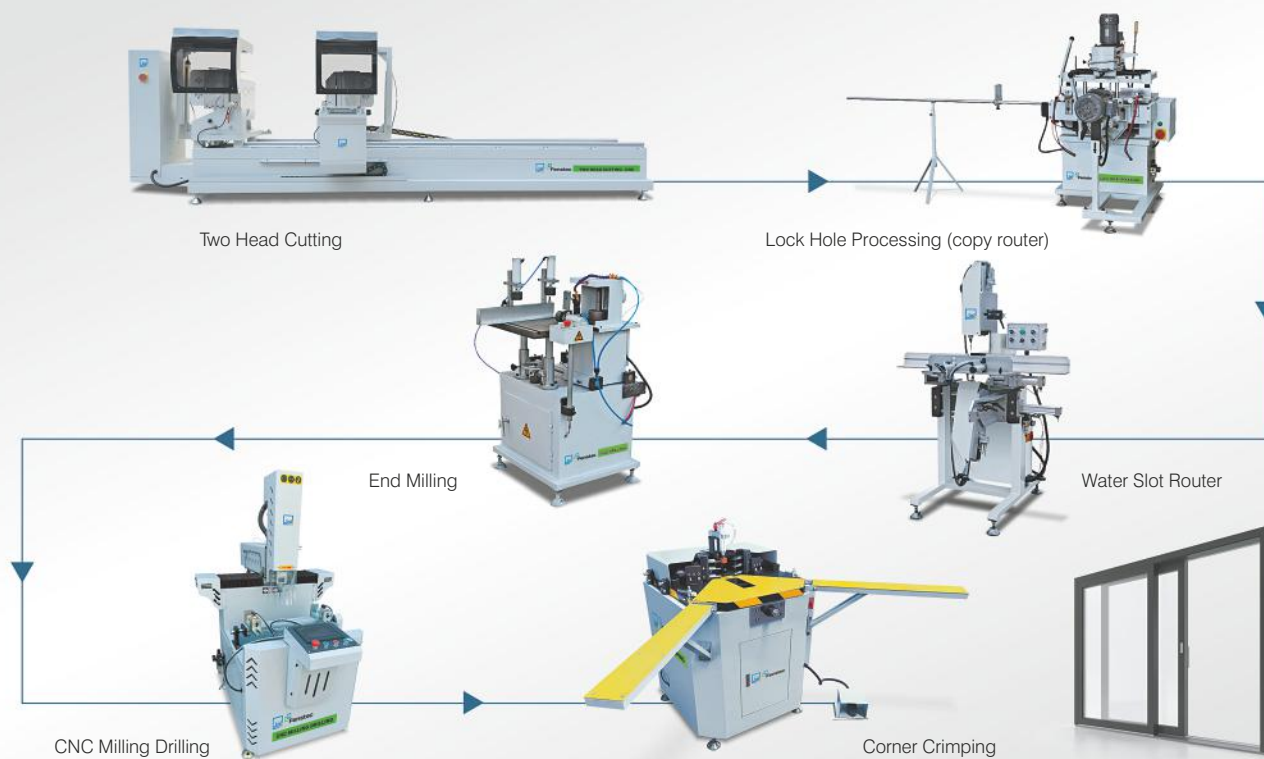
- UPVC Window bending machine special for bending UPVC window profile.
- Electrical air heating to warm up the profile to become soft.
- Profile bending within the diameter 800~1800 mm.

Technical Specifications

Bending diameter range	mm	800 - 1800
Heating temperature	°C	90 - 130
Power supply	V/Hz	380 / 50
Power	kw	12
Dimensions	mm	4500 x 2800 x 800



Aluminium Machines for Doors & Windows





Jai has the most extensive Sales & Service Network

Other Jai Brands:

Optimus®
Redefining Panel Process Technology

Modula®
Panel Process Machines & Solutions

WudPro®
Solid Wood-Working Machinery

Jai CARE
For now. For ever. • Connected • Adaptive • Responsive • Engage
Genuine Spare Parts and Service

