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IDEAMAC MARKETING

Aluminum and UPVC Window-Door
Smart Processing Machine



LJZ2 - 450 x 3700

Double-head Cutting Saw for Aluminium Profile with Digital Display (Optional Motorized Movement)



Technical Parameters :

Input Power	: 4 KW	Cutting Angle	: - 45° ~ 90°
Power Supply	: 380 V/50 Hz, 3phase	Cutting Length	: 580 ~ 3700 mm
Air Pressure	: 0.4 ~ 0.8 MPa	Max. Cutting Width x Height	: 120 x 220 mm
Motor Rotary Speed	: 3200 RPM	Overall Dimension	: 4500 x 1200 x 1500 mm
Saw Blade Specification	: Φ 450 X Φ 30 mm	Weight About	: 1200 Kg

Features :

- Suitable for cutting Aluminium profiles. Angle range: 45°, 90°.
- Specialized hard alloy saw blades enable to guarantee the quality of the cutting surface.
- Saw blade rotates smoothly due to high accurate main spindle box, steady running with high precision.
- Infeeding controlled by air-hydraulic damper, feeding speed linearity adjustable.

CNC-LJZY- 500 x 4200

CNC Double Head Precision Cutting Machine for Aluminium Profile (Optional Digital Display)



Technical Parameters :

Power Supply	: 380 V 50 Hz	Cutting Length	: 380-4200mm
Input Power	: 6.5 KW	Cutting Angles	: 90°, 45°
Working Air Pressure	: 0.5-0.8 Mpa	Cutting width*height	: 150*300mm (90°), 150*150mm(45°)
Blade Rotational Speed	: 3100 RPM	Outside Dimension	: 5850*1500*1900mm
Saw Blade Specification	: D=500 mm, d=30 mm	Weight About	: 1600Kg

Features :

- Imported digital control system ensures the precise cutting size.
- With color touch screen, controlling cutting length, cutting angle and cutting times automatically.
- A series of data can be set to realize continuous aluminum profile cutting in different length according to the preset program.
- Automatic changeover of cutting angle among 90°, 45°
- Special high-accuracy hard-alloy saw blade, equipped with automatic spray cooling system.

CNC-LJZ-550*4200

CNC Double-head Precision Aluminum Profile Cutting Saw



Technical Parameters :

Power Supply	: 380 V 50 Hz	Cutting Length	: 380-4200mm
Input Power	: 6.5 KW	Cutting Angles	: 90°, 45°
Working Air Pressure	: 0.5-0.8 Mpa	Cutting width*height	: 170*320 mm (90°), 170*170 mm(45°)
Blade Rotational Speed	: 3100 RPM	Outside Dimension	: 5850*1500*1900mm
Saw Blade Specification	: D=500 mm, d=30 mm	Weight About	: 1900Kg

Features :

- Imported digital control system ensures the precise cutting size
- With color touch screen, controlling cutting length, cutting angle and cutting times automatically
- A series of data can be set to realize continuous aluminum profile cutting in different length according to the preset program
- Automatic changeover of cutting angle among 90°, 45°
- Special high-accuracy hard-alloy saw blade, equipped with automatic spray cooling system

DT-550

Single-Head Variable-angle Aluminium Cutting Saw (Optional 550 mm Diameter Saw Blade or 500 mm or 450 mm)

Technical Parameters :

Input Power	: 3.00Kw
Power Supply	: 380V 50Hz
Air Pressure	: 0.5 ~ 0.8 MPa
Saw Blade Rotation Speed	: 3100r/min
Saw Blade Specification	: D=550mm d=30mm
Cutting Width	: 250mm (90°)
Cutting Height	: 175mm
Sawing Angle	: \pm 45° and 90°
Host Overall Dimension	: 1300*1050*1840mm



Features :

- Variable angle cutting between 0-180° (\pm 45° and 90° are calibrated accurately before leaving the factory, and other angles can be calibrated and positioned according to the scale).
- The saw blade moves up and down in a straight line under the workbench, which has high safety and can perform ultra-wide cutting.
- Casting integrated drill disc structure, with advantages of high precision and small deformation.
- The angle can be easily converted by rotating the disc with a hand-wheel and gear-rack structure.
- Special precision cemented carbide saw blade, the cutting feed motion guide rail adopts linear guide rail pair, and the feed guide rail is equipped with an oil injection system.
- The saw blade feed is powered by a combination structure of oil cylinder and air cylinder, with stable and strong power
- High-precision main shaft ensures stable rotation of the saw blade.
- Automatic lifting saw blade protective cover makes the work safe and reliable.
- Horizontal and double vertical clamping of profiles.

LMGJ-CNC-600 / 1200 / 3000

CNC Drilling & Milling Machine for Aluminium Profile



Technical Parameters :

Power supply	: 380 V/50 Hz
Input power	: 6.00 Kw
X-axes travel	: 600 mm
X-axes speed	: 30 m/min
Y-axes travel	: 350 mm
Y-axes speed	: 15 m/min
Z-axes travel	: 280 mm
Z-axes speed	: 15 m/min
Outside dimension	: 1700*1900*2200 mm
Weight about	: 600 Kg

Features :

- This machine can achieve all kinds of aluminum profile holes, slot milling.
- Equipped with tool setting gauge, the length of the replacement tool will be compensated through the system automatically, it not only save time for correct the tools, but also improve the working efficiency.
- It can realize three axis moves linkage or two axis mover separately.
- High precision linear guides, ball screw, rack and pinion and imported servo motor to ensure smooth. With high positioning and machining accuracy.
- The workable can be rotated in any position among -90, 0, 90 degree, it can complete three sides milling processing once clamp the profile.

SZJ01B

Copy Routing and Lock Hole Milling for Aluminium Profile



Technical Parameters :

Input Power	: 1.5 KW
Power Supply	: 380 V/50 Hz, 3phase
Air Pressure	: 0.4 ~ 0.6 MPa
Air Consumption	: 80 L/min
Motor Rotary Speed	: 11000 RPM
Diameter of Milling Driller	: 8 mm
Overall Dimension	: 620 x 900 x 1500 mm
Weight About	: 235 Kg

Features :

- It is used for processing lock hole, water slot and hardware hole of Aluminium windows and doors.
- The standard template board to control the size of the holes shape, the copy rate is 1:1.
- Be equipped with high speed copy routing head to ensure the milling precision.

LXD3-CNC-300 E CNC End-milling Machine

Technical Parameters :

Input power	: 380 V 50 Hz
Input power	: 5.5 Kw
Working pressure	: 0.5-0.8 Mpa
Air consumption	: 180L/min
Motor speed	: 2800 RPM
Spindle diameter	: φ 30 mm
Milling cutter diameter	: φ 300 mm



Features :

- Adopts high-precision CNC system control with three-axis linkage.
- The tool can be adjusted up and down, back and forth via CNC control, ensuring high milling accuracy and quick adjustment to adapt to the processing of aluminum profiles of different shapes and sizes.
- Uses servo motor and rack-and-pinion structure to drive tool feeding. The feeding speed is adjustable, with slow cutting and high-speed retraction for more stable and efficient processing.
- The special spindle motor is equipped with a fixed horizontal milling cutter, which can be flipped 90° by an air cylinder for milling reinforced mullion profiles.
- The tool travel distance can be controlled by the system, greatly improving processing efficiency. Thickened profile pressing plate prevents profile deformation.
- Adopts fully enclosed mechanical cover structure, making processing safer, more environmentally friendly and hygienic.

LXD-230 Auto End Milling Machine for Aluminium Profile



Technical Parameters :

Input Power	: 4 KW
Power Supply	: 380 V / 50 Hz, 3phase
Air Pressure	: 0.4 ~ 0.6 MPa
Air Consumption	: 80 L/min
Main Shaft Diameter	: 32 mm
Milling Cutter Diameter	: 230 mm
Overall Dimension	: 1650 x 670 x 1420 mm
Weight About	: 300 Kg

Features :

- Used for processing the mullion in Aluminium windows and doors
- Milling the end of the surface and process the stepped joint.
- Can process different structure with stair surface, rectangular slot and tenon and so on.
- The height of milling cutter is adjustable.
- High precision linear guiding pair ensured steady and long-term processing accuracy.

LZJ03 - 130 Corner Crimping Machine for Aluminium



Technical Parameters :

Input Power	: 1.5 KW
Power Supply	: 380 V/50 Hz, 3phase
Rated Oil Pump Pressure	: 20 MPa
Air Pressure	: 0.5 ~ 0.8 MPa
Air Consumption	: 20 L/min
Oil Capacity	: 30 L
Cylinder Movement Stroke	: 0 ~ 85 mm
Max. Profile Width	: 120 mm
Max. Profile Height	: 130 mm
Overall Dimension	: 1850 x 1680 x 1210 mm
Weight About	: 300 Kg

Features :

- Used for a corner combination of aluminium alloy profile.
- It features of high power, widely scope and suitable for corner combining of aluminium profiles.
- Multiple combine localization system so that ensure the accuracy.
- The link gear mechanism ensures the corner combining cutter of two sides working completely synchronized.
- Work-table is covered with the special materials to protect the surface of the profile.

LJJ-CNC-140A CNC Aluminium Door-window Corner Connector Cutting Saw



Technical Parameters :

Power Supply	: 380 V / 50 Hz
Input Power	: 3.0 Kw
Working Air Pressure	: 0.4-0.6 MPa
Blade Rotational Speed	: 3100 RPM
Saw Blade Specification	: D=500 mm d=30 mm
Cutting Length	: 3-100 mm
Cutting Width*Height	: 150*200 mm
Cutting Angle	: 90°
Outside Dimension	: 1140 x 1480 x 1270 mm
Weight About	: 500 Kg

Features :

- Imported digital control system ensures the precise cutting size.
- With color touch screen, controlling cutting length and cutting times automatically.
- Precision ball-screw rod drives automatic feeding system to move horizontally with precise repeat orientation.
- Special high-accuracy hard-alloy saw blade, equipped with automatic spray cooling system.
- Stable and uniform motion of saw blades feeding through hydro-pneumatic damping cylinders.
- High-accuracy head stock guarantees the stable running of saw blades.

LY-63 Aluminum Profile Six Station Punching Machine (Optional Punching Dies)



Technical Parameters :

Input Power Supply	: 380V 50Hz
Input Power	: 2.2Kw
Motor Speed	: 1420r/min
Nominal Pressure of Press	: 50KN
Punching Stroke	: 30mm
Mold Overall Dimensions	: 250*250*215mm
Closed Height	: 185mm
Host overall dimension	: 900*900*1413mm

Features :

- The aluminum profile six-station press is used for punching various holes and end profiles of aluminum door and window profiles.
- It adopts an open structure for flexible operation positions and a rotatable worktable to facilitate the switching of six sets of molds.
- Installing single-station molds is simple, enabling multi-station punching.
- With hydraulic power, it works stably and has a large nominal pressure, suitable for complex punching processes.

LV - 30 Single Head Punching Machine (Optional Punching Dies)



Technical Parameters :

Input Power Supply	: 380V 50Hz
Motor Power	: 1.50KW
Motor Speed	: 1420r/min
Rated Oil Pump Pressure	: 16Mpa
Oil Pump Model	: 5MCY
Oil Tank Capacity	: 30L
Nominal Pressure of Press	: 50KN
Stamping Stroke	: 30mm
Stroke Frequency	: 30 times/min
Closed Height	: 180mm
Host overall dimension	: 750*750*1800mm

Features :

- The single-head press is special equipment for assembling aluminum alloy and plastic-steel doors and windows.
- It is suitable for the stamping process of aluminum alloy and thermal break profiles.
- Each combined die matched with this equipment can complete one or several stamping processes.
- Stamping processing of doors and windows of different specifications and series can be realized by replacing different stations.

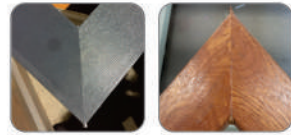
SWFHJ-4500.4
Four Head Seamless Welding Machine for UPVC Window Colour Profiles



Features :

- Used to weld UPVC double sides colour or colour film coextrusion profile.
- PLC controls to ensure the running stable and reliable.
- The cutting tool made of alloy tool, realize the standardization, support exchange.
- Before and after the pressure plate-independent regulation, to ensure the weld strength and stability.
- The material support scalable, suited for different size of doors and windows welding.
- The Cutting tool height can change automatically.

SWFHJ-3500
Two Head Seamless Welding



Technical Parameters :

	Four Head Seamless Welding	Two Head Seamless Welding
Input Power :	5.5KW	2.5KW
Power Supply :	220V/50Hz, 1phase	220V/50Hz, 1phase
Air Pressure :	0.6 ~ 0.8MPa	0.6 ~ 0.8MPa
Max. Height of Welded Profile :	20 ~ 140mm	20 ~ 140mm
Processing Profile Length :	480 ~ 3500mm	480 ~ 3500mm
Overall Dimension :	5500 x 1100 x 1800mm	4300 x 1100 x 1800mm
Weight About :	1800Kg	1200Kg

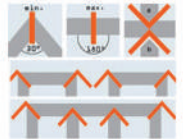
HJ02-4500.4
Four Head Welding Machine for UPVC Window



Features :

- Suitable for welding UPVC profiles.
- Adopt programmable controller (PLC) ensures the machine running more steady and reliable.
- Double pressing function ensures higher welding strength.
- Professional three layers welding board to meet different height profile welding.
- The heads can be used individually, combinedly or jointly as well as be combined at will.
- The heads of welding machine can horizontally move so that realized all kinds of welding combination.
- The last head used for welding variable angle with the special mold and the angle range from 30°~180°.

HJ02-3500.3
Three Head Welding Machine for UPVC Window



Technical Parameters :

	Four Head Welding	Three Head Welding
Input Power :	4.5KW	3.5KW
Power Supply :	220V/50Hz, 1phase	220V/50Hz, 1phase
Air Pressure :	0.4 ~ 0.6MPa	0.4 ~ 0.6MPa
Air Consumption :	200L/min	150L/min
Max. Height of Welded Profile :	20 ~ 140mm	20 ~ 140mm
Max. Width of Welded Profile :	0 ~ 140mm	0 ~ 140mm
Welding Range :	400 ~ 4500mm	400 ~ 3500mm
Overall Dimension :	5400 x 1100 x 1800mm	4400 x 1100 x 1800mm
Weight About :	1500Kg	1200Kg

HJ02-3500
Two Head Welding Machine for UPVC Window



Technical Parameters :

	Two Head Welding
Input Power :	2.5KW
Power Supply :	220V/50Hz, 1phase
Air Pressure :	0.4 ~ 0.6MPa
Air Consumption :	100L/min
Max. Height of Welded Profile :	20 ~ 140mm
Max. Width of Welded Profile :	0 ~ 140mm
Welding Range :	400 ~ 3500mm
Overall Dimension :	4400 x 1100 x 1800mm
Weight About :	1000Kg



HJ01
Single Head Welding Machine for UPVC Window

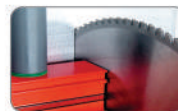
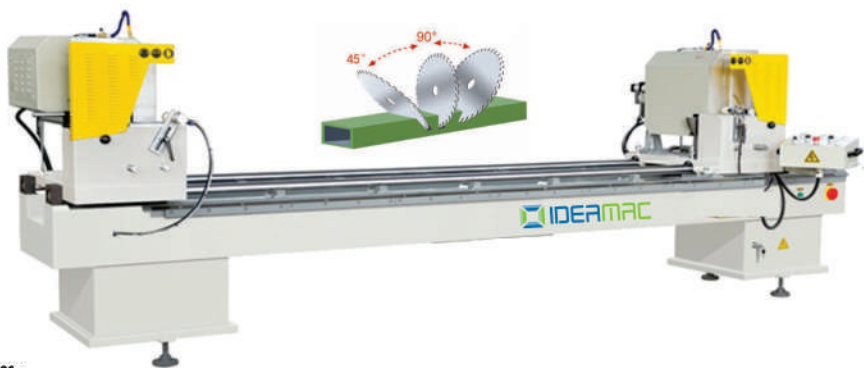


Technical Parameters :

Input Power :	: 1.2 KW
Power Supply :	: 220 V/50 Hz, 1phase
Air Pressure :	: 0.5 ~ 0.8 MPa
Air Consumption :	: 50 L/min
Welding Angle :	: 30° ~ 180°
Max. Width of welded profile :	: 0 ~ 140mm
Max. Height of welded profile :	: 20 ~ 140mm
Overall Dimension :	: 960 x 900 x 1700mm
Weight About :	: 260Kg

LSJ-3500

Double-head Cutting Saw for UPVC Profile



Features :

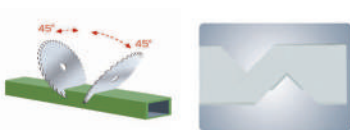
- Suitable for cutting UPVC profiles. Angle range: 45°, 90°, any angle adjusting rotated by manual.
- Specialized hard alloy saw blades enable to guarantee the quality of the cutting surface and its durable extent.
- The saw is moved by manual, easy and convenient operation. Two saw heads can work individually as well as simultaneously.
- Saw blade rotates smoothly due to high accurate main spindle box, steady running with high precision.
- Infeeding controlled by air-hydraulic damper, feeding speed linearity adjustable.

Technical Parameters :

Input Power	: 3 KW
Power Supply	: 380 V/50 Hz, 3phase
Air Pressure	: 0.5 ~ 0.8 MPa
Air Consumption	: 200 L/min
Motor Rotary Speed	: 2800 RPM
Saw Blade Specification	: 400 x60 mm
Cutting Angle	: -45° ~ 90°
Cutting Length	: 450 ~ 3500 mm
Max. Cutting Width x Height	: 120 x 220 mm
Overall Dimension	: 3500 x 1200 x 1500 mm
Weight About	: 750 Kg

SVJ-65

V Cutting Saw for UPVC Profile



Technical Parameters :

Input Power	: 2.2 KW
Power Supply	: 380 V/50 Hz, 3phase
Air Pressure	: 0.4 ~ 0.6 MPa
Motor Rotary Speed	: 2850 RPM
Saw Blade Specification	: 300 x 30 mmx100 T
Max. Cutting Width	: 120 mm
Max. Cutting Depth	: 20 ~ 65 mm
Cutting Length	: 300 ~ 1600 mm
Overall Dimension	: 560 x 1260 x 1350 mm
Weight About	: 240 Kg

Features :

- Used for cutting and processing of V-shaped groove with an angle of 90° for UPVC profiles.

LXD-200

Auto End-milling Machine for UPVC & Aluminium



Technical Parameters :

Input Power	: 1.5 KW
Power Supply	: 380 V/50 Hz, 3phase
Air Pressure	: 0.4 ~ 0.6 MPa
Air Consumption	: 80 L/min
Diameter of Milling Cutter	: 115 ~160 mm
Max. Opening Tenon	: 200 x 70 x 45 mm
Overall Dimension	: 850 x 740 x 1280 mm
Weight About	: 280 Kg

Features :

- Used for processing the mullion in UPVC profile of windows and doors
- Milling the end of the surface and process the stepped joint.
- Can process different structure with stair surface, rectangular slot and tenon and so on.
- The height of milling cutter is adjustable.
- High precision linear guiding pair ensured steady and long-term processing accuracy.

SYJ03-1800

Glazing Bead Cutting Saw for UPVC Profile



Technical Parameters :

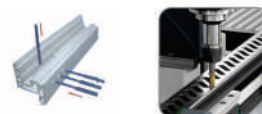
Input Power	: 2.2 KW
Power Supply	: 380 V/50 Hz, 3phase
Air Pressure	: 0.4 ~ 0.6 MPa
Motor Rotary Speed	: 2800 RPM
Saw Blade Specification	: 230 x 30, 135x30 mm
Max. Cutting Width	: 100 mm
Max. Cutting Height	: 29 mm
Cutting Length	: 320 ~ 1800 mm
Overall Dimension	: 560 x 1500 x 1350 mm
Weight About	: 200 Kg

Features :

- Used for the cutting of glazing beads.

SZJ01

Copy Router & Lock Hole Milling Machine for UPVC



Technical Parameters :

Input Power	: 1.5KW
Power Supply	: 380V/50Hz, 3phase
Air Pressure	: 0.5 ~ 0.8MPa
Routing Motor Speed	: 11000r/min
Cutter Diameter	: 8mm
Copy Routing Range W x H	: 90 x 290mm
Profile Max. W x H	: 120 x 100mm
Diameter of three hole drilling head	: 10, 12, 10mm
Overall Dimension	: 670 x 700 x 1500mm
Weight About	: 300Kg

Features :

- Professional use for processing handles in three holes and the slots which for installing the hardware at the UPVC and Aluminium profile.
- The copy routing size is controlled by the standard template and the proportion is 1:1.
- Adopt the high-speed copy-routing, milling head.

SCX02 - 2 x 60
Auto Water Slot Milling Machine for UPVC



Technical Parameters :

Input Power	: 1.15 KW
Power Supply	: 220 V/50 Hz, 1phase
Air Pressure	: 0.5 ~ 0.8 MPa
Routing Motor Speed	: 25000 RPM
Slot Length	: 0 ~ 60mm
Overall Dimension	: 2100 x 860 x 1500 mm
Weight About	: 210 Kg

- Features :**
- Used for processing the drain holes on UPVC profiles.
 - The machine adopts modularization structure design. During working, the heads can move individually or jointly, which can be freely selected, easy for operation.
 - All working combinations of machine heads can be achieved though the selective switch on the electric box.

STJ - 80
Mullion Cutting Saw for UPVC Profile



Technical Parameters :

Input Power	: 2.2 KW
Power Supply	: 380 V/50 Hz, 3phase
Air Pressure	: 0.5 ~ 0.8 MPa
Air Consumption	: 100 L/min
Motor Rotary Speed	: 2800 RPM
Max. Cutting Width of Profile	: 120 mm
Max. Cutting Height of Profile	: 110 mm
Cutting Length	: 300 ~ 2100 mm
Saw Blade Specification	: 350 x 30 mm
Overall Dimension	: 1720 x 560 x 1390 mm
Weight About	: 300 Kg

- Features :**
- Professional cutting the mullion profiles of UPVC windows and doors.

JQK04-120 (3 Tool)
CNC Automatic Corner Cleaning Machine for UPVC Windows and Doors

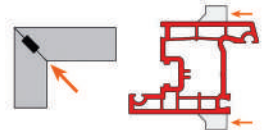


Technical Parameters :

Input Power	: 2.0 KW
Power Supply	: 380 V/50 Hz, 3phase
Air Pressure	: 0.5 ~ 0.8 MPa
Motor Rotary Speed	: 2800 RPM
Processing Profile Height	: 30 ~ 120 mm
Processing Profile Width	: 30 ~ 120 mm
Overall Dimension	: 960 x 1230 x 2100 mm
Weight About	: 640 Kg

- Features :**
- Professional used in cleaning the welding seam in 90° corner of external for window frames and sash (include the vertical line, oblique and circular arc of external), the upper and lower of the profile as well as the groove of rubber strip.
 - Adopts industry grade computer system, closed-loop controlling, ensures high precision.
 - It is simple, direct-viewing with the demonstrating program function, can set two-dimension processing programming by CNC controller.
 - Equipped with USB connection, may connect with external store. Can save various processing programs of PVC profile.

SQJ06 - 120
Corner Cleaning Machine for UPVC Window



Technical Parameters :

Input Power	: Air
Air Pressure	: 0.5 ~ 0.8MPa
Profile Height	: 15 ~ 120mm
Profile Width	: 20 ~ 120mm
Overall Dimension	: 1040 x 560 x 1430mm
Weight About	: 200Kg

- Features :**
- It is mainly used for cleaning Top and Bottom seam of UPVC windows and doors,
 - It can complete the cleaning of welding seam on up and down surface

Statement : ideamac marketing reserved the right to change the appearance, structure, colour, model & price about all equipments if the above will be modified, please forgive us not notify, the pictures in this manual may be different from the object, please make the object as the standard. Date-2025



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