MTE MACHINES

MTE-CNC-06B

Aluminum Profile CNC Cutting Center



PERFORMANCE FEATURES

» Suitable for cutting Aluminum profile, Curtain wall profile.

TECHNICAL PARAMETER

» Cutting angle: 245°, 90°
» Processing length range: 350mm-6800mm
» Cutting and milling range: 150 mm-150mm
» Feeding speed: 0-100m/min
» Total Power : 37.8 kw
» Saw blade feed speed 0-15m/min
» Milling speech 0-1500mm/min
» Laser cutting speed: 8000mm/min
» Saw blade specification: 550mm
» Dimensions 15000-3000-2900mm

MTE - CNC - 05B

Aluminium Profile CNC Cutting Center



PERFORMANCE FEATURES

» Suitable for cutting sash, frame and mullion UPVC profile.
» Equipped with 4 saw blade in 45 degree separate. So, it not only can cut frame profile in 45 degree, but also can cut V shape end at Mullion profile.
» Adopt industrial NC control system, ensure the cutting performance stable and high efficiency.

TECHNICAL PARAMETER

» Input voltage: 380V/50HZ
» Input power: 12.5KW
» Saw blade speed: 3000r/min
» Blade size: F550×F30mm×4.3
» Cutting quantity: Max120mm (4 root), =55mm (8 root)
» Cutting height: Frame fan profile=120mm Depth of V-mouth=60mm
» Cutting size: 300-3000mm
» Working pressure: 0.6-0.8MPa
» Air consumption: 100L/min
» Outline dimension: 11500×5000×2280mm

MTE-3CNC-550×6000

Variable Angle Double-head cutting saw for aluminum and UPVC profile with CNC



PERFORMANCE FEATURES

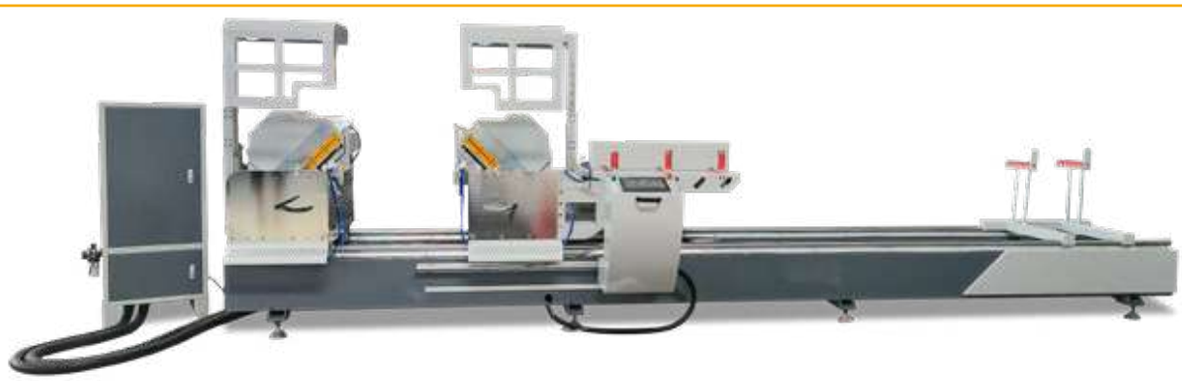
- Suitable for high precision cutting of Aluminum profile in variable angle.
- Imported servo motor drive reducer, and ensure the Cutting angle change from outer 22.5 to 135 degree.
- The length control system adopts full closed-loop design, and is equipped with high-precision magnetic grid feedback channel to ensure repeated positioning accuracy to a greater extent.
- Adopt big color couch screen, and with USD interface, it can realize the data interchange via by input external memorizer.
- Tabulation cutting function: several kinds of profiles can be selected quickly. 100 lines into one sheet.
- Continuous feeding: auto feeding profile at 90 degree cutting.

TECHNICAL PARAMETER

- Input power source: 220V/60Hz 3P
- Total power: 2.2KW×2+1.1KW
- Working air pressure: 0.5-0.8MPa
- Air consumption: 200L/min
- Blade: 550×30×140T
- Cutting range-90°: 170×230mm
- Principal axis rotate speed: 2800r/min
- Cutting length: 400-5000mm
- Cutting angle: Any angle from outer 22.5 to 135 degree
- Dimension: 6500×1200×1750mm
- Weight: 2000kg

MTE-CNC-550×6000

Double-head cutting saw for aluminum and UPVC profile with CNC



PERFORMANCE FEATURES

- It's used for cutting aluminum profile in 45 and 90 degree.
- Adopt DELTA CNC control system, it features high accuracy positioning and cutting precision.
- Suitable for high grade aluminum profile cutting requirements

TECHNICAL PARAMETER

- Input power source: 380V/50Hz
- Total power: 6KW
- Working air pressure: 0.5-0.8MPa
- Air consumption: 200L/min
- Blade: 550×30×120T
- Principal axis rotate speed: 3200r/min
- Cutting length: 400-5000mm
- Cutting angle: Inner 45° 90°
- Dimension: 6300×1200×1750mm
- Weight: 1950kg

MTE MACHINES

MTE-140×2000×3000

CNC Double Layer Four Corner Welding Machine for UPVC Win-door



PERFORMANCE FEATURES

» A specialized equipment for corner welding of plastic UPVC profiles, with a double-layer design, can be welded into two window frames at once or welded into four rectangular window sashes with a height of less than 60 through a backing plate. The welding machine is used to discharge the material step by layer, and the finished window is transported to the manual feeding location through a transmission workbench.

TECHNICAL PARAMETER

» Input power: 15.5KW
» Working pressure: 0.6-0.8MPa
» Welding profiles range: Min: 370×420mm
» Max: 2200×3000mm
Welding profile size: bilayer:H=20-140mm W=118mm
» four layers: H=20-50mm W=100mm
Clear angle profile size: H=30-120mm W=120mm
» Outline dimension: 5100×4500×1900mm
(Excluding transmission stations)

MTE-140×2600×3000

CNC Six-Corner Welding Machine for UPVC Win-door



PERFORMANCE FEATURES

» The hexagonal welding machine specialized for welding UPVC profile, it can e welded into a " 日 "shape, two " 口 " shape frame, and one "H" shape at one time.
» Then the formed window will be transported to manual material collection location through lifting transmission frame.

TECHNICAL PARAMETER

» Input power: 20KW
» Working pressure: 0.6-0.8MPa
» Welding profiles range: Double "mouth"
» font: 640×400mm "Day" font: 600×650 mm
Max: 2600×3000mm
Welding profile size: H=20-140mm W=110mm
» Outline dimension: 8180×4000×1950mm

MTE-200C

Welding & Cleaning Production Line for UPVC window and door



PERFORMANCE FEATURES

» A professional automatic line for corner welding and external corner cleaning of colored UPVC profiles, which can be welded intoa rectangular window frame at once. Through the transmissionworkbench, the formed window is transmitted to the double headcorner cleaning unit. At the same time, the external corner welds andadhesive strip grooves of two adjacent corner seams are quicklycleaned. Then, the formed window is transmitted to the double head corner seam cleaning machine. After triggering the detection switch, itreturns to clean the remaining two adjacent corner seams.

TECHNICAL PARAMETER

» Input power: Welding unit:9.5KW Clear angle
» unit:10.5KW
Working pressure: 0.6-0.8MPa
» Welding profiles range: Min: 500×700mm
» Max: 1800×3000mm
Welding profile size: H=20-140mm W=120mm
» Clear angle profile size: H=30-140mm W=120mm
» Outline dimension: 13500×5500×1850mm

MTE-100F

Efficient Welding and Automatic Cleaning Production Line for UPVC Win-door



PERFORMANCE FEATURES

» A professional production line for corner welding and weld cleaning of high-end UPVC profiles. It can complete the four corners of a rectangular window frame at once, and then transmit the formed window to the corner cleaning unit through a transmission platform. The window is manually rotated to complete rapid cleaning of the upper and lower planes, exterior facades, and upper and lower adhesive groove welds.

TECHNICAL PARAMETER

» Input power: Welding unit:9.5KW Clear angle
» unit:5KW
Working pressure: 0.6-0.8MPa
» Welding profiles range: Min: 360×420mm
» Max: 2200×3000mm
Welding profile size: H=20-140mm W=120mm
» Clear angle profile size: H=30-140mm W=120mm
» Outline dimension: 9500×4900×1850mm

MTE-4-140B

UPVC win-door seamless welding machine





PERFORMANCE FEATURES

» It's used for welding double sides color UPVC profile. It will complete the welding and cleanthe welding tumor at the same time.

TECHNICAL PARAMETER

	MTE-2-140×3500B	MTE-4-140×4500B
» Model		
» Total power	2.5KW	4.5KW
» Working air pressure	0.5-0.8Mpa	0.5-0.8Mpa
» Processing profile length	450-3500	450-4500
» Height of welded profile (Max.)	20-140mm	20-140mm
» Width of welding profile (Max.)	120mm	120mm

MTE4-140×4500/MTE3-140×3500/MTE2-140×3500

UPVC win-door welding machine



PERFORMANCE FEATURES

» Suitable for welding UPVC profile. The heads can be used individually, combinatively or jointly as well as be combined at will.
» The last head can be used for welding variable angle with the special mold and the angle range from 30°-180°.

TECHNICAL PARAMETER

	MTE4-140×4500	MTE3-140×3500	MTE2-140×3500
» Model			
» Total power	4.5KW	3.5KW	2.5KW
» Working air pressure	0.4-0.6MPa	0.4-0.6MPa	0.4-0.6MPa
» Height of welded profile (Max.)	20-120/140/160mm	20-120/140/160mm	20-120/140/160mm
» Width of welded profile (Max.)	0-120mm	0-120mm	0-120mm
» Welding range	400-4500mm	400-3500mm	400-3500mm

MTE-60

UPVC win-door V-cutting saw



PERFORMANCE FEATURES

» Professional processing the 90° V shape hollow at the win-door profiles.
» Two dedicated blades are in 45° each other, so that the V port can be finished once time and ensue the cutting precision.
» Cutting depth is 0-60mm.

TECHNICAL PARAMETER

» Total power: 1.1KW×2
» Working air pressure: 0.4-0.6MPa
» Diameter of saw: Φ300×Φ30×100T
» Max. cutting width: 120mm
» Max. cutting depth: 0-60mm
» Cutting length: 300-1600mm

MTE-1800

UPVC win-door glazing bead saw



PERFORMANCE FEATURES

» Special use in cutting glazing bead profile in 45 degree and chamfer, so as to ensure the combination seam of the corner looks nice.

TECHNICAL PARAMETER

» Input power source: 380V/50Hz
» Total power: 1.1KW×2
» Working air pressure: 0.4-0.6MPa
» Spindle rotate speed: 2800r/min
» Diameter of saw: Φ230×Φ30×80T
» Max. cutting width: 100mm
» Max. cutting height: 29mm
» Cutting length: 320-1800mm

MTE MACHINES

MTE-60/65

CNC Rolling bending machine for aluminum profile

PERFORMANCE FEATURES

» Its suitable for bending arc machining of various metal profiles or special profiles (aluminum door and window profiles, thermal-break profiles).



TECHNICAL PARAMETER

»
» Power supply: 380V 50Hz
» Input power: 5.2KW
» Air pressure: 0.2Mpa
» Hydraulic stress: 20T/25T
» Torque: 2500N.m
» Max diameter of roller: 200mm
» Center distance of fixed shaft: 350-750mm
» Main shaft speed: 1-8r/min
» Shaft diameter of main shaft: 60/65mm
» Y axis travelling: 260mm
» Profile processing range: 150×180mm (H×W)
» Min. bend radius: R=60mm (inner arc)
» Main Machine size: 1300×1100×1100mm
Weight: 1000kg

MTE-80-30T

Full Automatic 4-axis CNC Roll Bending Machine

PERFORMANCE FEATURES

» The machine is widely used in bending forming of standard and non-standard metal profiles in various industries such as building doors and windows curtain wall, automobile industry, decoration, high-speed rail, aerospace, outdoor advertising, etc., such as S-shaped, U-shaped, C-shaped, round, oval and multi-radius forming of the same profile.



TECHNICAL PARAMETER

» Power supply: 380V 50Hz
» Input power: 12KW
» Air pressure: 0.2Mpa
» Hydraulic stress: 30T
» Torque: 6000N.m
» Max diameter of roller: 230mm
» Center distance of fixed shaft: 485mm
» Main shaft speed: 1-8r/min
» Shaft diameter of main shaft: 80mm
» Y axis travelling: 260mm
» Profile processing range: 150×320mm (H×W)
» Min. bend radius: R=180mm (inner arc)
» Main Machine size: 1950×1380×1620mm
» Weight: 2200kg

MTE04-3×60

UPVC profile auto water-slot milling machine

PERFORMANCE FEATURES

» Professional use in milling the water slot and the air pressure balanced holes of win-door in UPVC profile.



TECHNICAL PARAMETER

» Total power: 0.75 KW x 3
» Working air pressure: 0.5-0.8MPa
» Diameter of milling cutter: F4×50/75mm
» Machine head electro motor revs.: 26000r/mim
» Max. milling depth: 30mm
» Milling width: 4-5mm
» Milling length: 0-60mm
» Max milling length of workpiece: 3000mm

MTE-SFM01

Single Head Automatic Screw Fastening Machine UPVC PROFILE

PERFORMANCE FEATURES

» Upvc Profile Single Head Automatic Screw Fastening Machine Pvc Window Machine



TECHNICAL PARAMETER

» Input Power 1.5kw
» Profile Height 30~120mm
» Welding Depth 32mm
» Screw diameter 3.5~4.5mm(diameter), 13-26mm (length)
Screwdriver diameter 6.35*110mm
Locating distance 100mm
Screw distance 250-380mm
Steel Reinforcement thickness 1-2.5mm

MTE - 50

Aluminium Punching Machine - Hydraulic



» Motor power 2.2kw
» Motor rotational speed 1420 r/min
» Rated oil pump pressure 16Mpa
» Oil tank volume 20L
» Press nominal pressure 50KN
» Punching travel 30mm
» Travel times 30times/min
» Closing height 300mm

MTE - 30

Aluminium Punching Machine - Pneumatic



MTE MACHINES

MTE-120

Lock-hole milling machine for aluminum and UPVC win-door

PERFORMANCE FEATURES



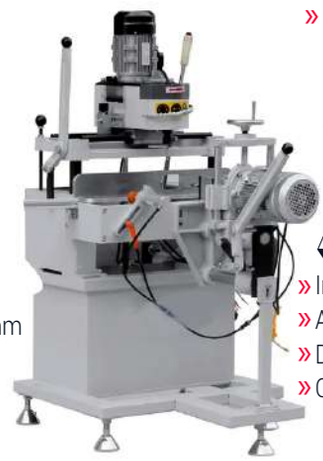
» Milling all kinds of lock holes. Formed by three-hole drill part (horizontal Back side direction) & copy milling part (vertical direction).

TECHNICAL PARAMETER

» Input power 3.5kw
» Air pressure 0.5-0.8MPa
» Diameter of three-hole drilling head Φ10mm
» Cutter diameter Φ5, Φ8mm
» Copy-routing range 235*200mm

MTE-100

PERFORMANCE FEATURES



» Milling all kinds of lock holes. Formed by three-hole drill part (horizontal front side direction) & copy milling part (vertical direction).

TECHNICAL PARAMETER

» Input power 2.5kw
» Air pressure 0.5-0.8MPa
» Diameter of three-hole drilling head Φ10mm
» Cutter diameter Φ5, Φ8mm

MTE-CNC800

CNC Drilling Milling Machine

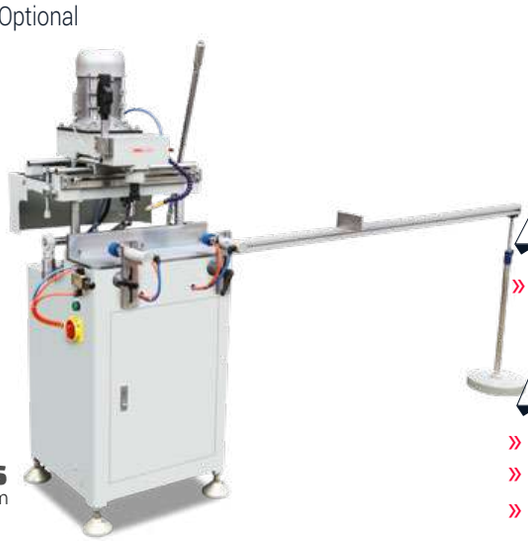
PERFORMANCE FEATURES

» CNC Controller System for drilling holes, milling grooves, processing circular holes and special-shaped holes of aluminum profiles.
» X axis adopts high-precision helical gear and rack; Y and Z axis adopt high-precision ball screw transmission; steady transmission and high precision.

TECHNICAL PARAMETER

» Power 6 KW
» Work position Overturn 180°, 0°,90°,-90°
» X axis journey 800mm, Y axis 300mm, Z axis 300mm
» Spindle max. rotary speed 18000r/min
» Clamping system Auto(ER25.It can hold 2~16mm diameter)
» CADCAM system Optional





PERFORMANCE FEATURES

» It is used for processing lock hole, water slot and hardware hole of UPVC and aluminum window and door

TECHNICAL PARAMETER

» milling cutter rotate speed: 11000r/min
» Total power: 2.2KW
» Diameter of milling driller: Φ5 Φ8

MTE MACHINES

MTE-CNC-3000

3 Axis CNC End milling machine for aluminum and UPVC win-door

PERFORMANCE FEATURES

» Aluminum profile 3 axis CNC end milling machine is one of the best processing equipment for doors, Windows and Curtain walls.



TECHNICAL PARAMETER

» Width of worktable: 530×320mm
» Travelling: 0-800mm
» Y axis travelling: 0-150mm
» Z axis travelling: 0-550mm
» Specification of blade: Φ330×30×8×40×1pc
» Working air pressure: 0.5-0.8MPa
» Total power: 3KW+3×0.75KW
» Dia. Of Spindle: Φ30mm
» Processing height: 300mm

MTE-2000

End milling machine for aluminum and UPVC win-door

PERFORMANCE FEATURES

» Used for processing the mullion in UPVC profile of win-door
» 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.



TECHNICAL PARAMETER

» Total power: 2.2KW
» Working air pressure: 0.4-0.6MPa
» Air consumption: 80L/min
» Diameter of milling cutter: Φ115-Φ 160mm
» Max. opening tenon: 200×70×45mm

MTE-150

Corner connecter automatic cutting saw for aluminum win-door

PERFORMANCE FEATURES

» Mainly used for corner connecter cutting of Aluminum profiles.
» Adopt programmable controller (PLC) ensures the machine running more steady and reliable. All processing will be automaticly after setting profile at first use.



TECHNICAL PARAMETER

» Total power: 3.0+0.75KW
» Diameter of blade: 500mm
» Principal axis rotate speed: 3200r/min
» Cutting length: 5-700mm
» Feeding speed: 0-3m/min

MTE MACHINES

MTE-CNC-6000/7000

CNC Drilling and Milling machine Processing Center for Aluminum profile

PERFORMANCE FEATURES

- This machine can achieve all kinds of holes and slot milling processing at aluminum profile of window and door, and curtain wall profile.
- This machine equipped with tool changer with 6 pcs tools. It can processing all kinds of holes and grooves at aluminum profile.

TECHNICAL PARAMETER

- Power source: 380V/50HZ
- Air supply: 0.5-0.8mpa
- Air consumption: 80L/min
- Total power: 8.5KW
- Main axis rev./power: 12000rmp/4.5KW
- Qty. of cutter: 6 pockets
- Clamper: ER32/ISO30
- Max. installation length of cutter: 120mm
- Processing size(W×H×L): 0°:220×220×2500mm +90:130×220×2500mm -90:160×220×2500mm
- Dimension: 3600×1400×2000mm
- weight: 1200kg



MTE-CNC- 1200mm/2000mm/2500mm/3000mm/4000mm/5000mm/6000mm

CNC Double Head Drilling and Milling machine Processing Center for Aluminum profile



PERFORMANCE FEATURES

- This machine can achieve all kinds of holes and slot milling processing at aluminum profile of window and door, and curtain wall profile.
- It can processing all kinds of holes and grooves at aluminum profile.

TECHNICAL PARAMETER

- Clamper: Er32
- Max. installation length of cutter: 120mm
- X axis MM 1200mm/2000mm/2500mm/3000mm/4000mm//5000mm//6000mm
- Y axis MM 350mm
- Z axis MM 350mm

- Air supply: 0.5-0.8mpa
- Air consumption: 80L/min
- Machine RPM 18000
- Total power: 4.5KW+4.5KW+1.1KWx3

MTE MACHINES

MTE-CNC SERIES

Double-head cutting saw for aluminum and UPVC profile with Digital displayer meter



PERFORMANCE FEATURES

It's used for cutting aluminum profile in 45 and 90 degee.
Adopt CNC control system, it features high accuracy positioning and cutting precision.
Suitable for high grade aluminum profile cutting equirements

TECHNICAL PARAMETER

Model	MTE-CNC-500F	MTE-CNC-550F
Total power	5.5KW	7.0KW
Diameter of blade	500mm	550mm
Cutting length	350-6000mm	350-6000mm
Max. cutting section	45 degree: 160W	45 degree: 190W
Cutting angle	Outer 45° 90°	Outer 45° 90°

MTE-CNS SERIES

Double-head cutting saw for aluminum and UPVC profile with Digital displayer meter



PERFORMANCE FEATURES

It's used for cutting aluminum profile in 45 and 90 degee.
Adopt CNC control system, it features high accuracy positioning and cutting precision.
Suitable for high grade aluminum profile cutting equirements

TECHNICAL PARAMETER

Model	MTE-CNS-450	MTE-CNS-500
Total power	4.4KW	4.4KW
Diameter of blade	450mm	500mm
Max. cutting section	45 degree: 120W	45 degree: 160W
Cutting angle	Outer 45° 90°	Outer 45° 90°

MTE-CNS SERIES

Double-head cutting saw for aluminum and UPVC profile with Digital displayer meter



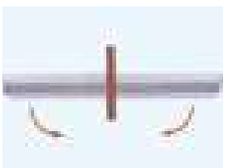
TECHNICAL PARAMETER

Model	MTE-CNS-420
Total power	1.5KW X 2
Diameter of blade	420mm
Max. cutting section	310-3500mm
Cutting angle	45 degree: 110mm(W×H) Outer 45° 90°

MTE01-120

UPVC win-door single-head variable-angle welding machine

PERFORMANCE FEATURES



» Suitable for welding UPVC profile.
Max. welding size is: 330mm
Used for welding variable angle from 30°-180°.

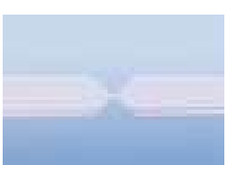


TECHNICAL PARAMETER

» Total power: 1.2KW
» Working air pressure: 0.5-0.8MPa
» Width of welded profile (Max.): 0-120/140mm
» Max welding size: 330mm

MTE-55

Vertical Mullion Cutting Saw for UPVC Profile





PERFORMANCE FEATURES

» It's used for cutting the mullion UPVC Profile.
» Two saw blade are located in angle 45 degree, it can cut the required mullion profile once for locating length, and ensure the cutting accuracy.

TECHNICAL PARAMETER

» Input power source: 380V/50Hz
» Total power: 2.2KW
» Working air pressure: 0.5-0.8MPa
» Diameter of saw: 420mm
» Principal axis rotate speed: 2800r/min
» Max. cutting width: 0-104mm
» Max. cutting height: 90mm
» Cutting length: 300-2100mm