onustec
High End|Craftsmanship|Profession
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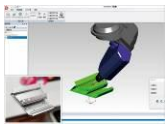
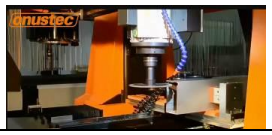
Quotation Solution

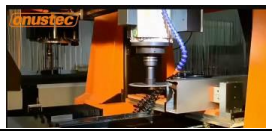
Onustec Group persists in providing the High-End Aluminum Metal Fabrication Machines and One-Stop Solutions Globally, powered by German Expert Team with decades of industry experience, and driven ahead steadily to world-class level by the continuous innovation and learning.
Now based on your production requirements, we will provide you the Professional High-end Machine Quotations Solutions as below:

Attn:	Mr. Lukas Partsch	**From:**	Mr. Jon Liu
Company:	AZURE design s.r.o.	**Company:**	Guangzhou Onustec Group Ltd.
S/N:	OT-QS26B0B620	**Date:**	16th,Oct.,2026

A.Price:

Item No.	Description	Qty	Unit Price (USD)	Amount (USD)
OT-C6407A	***4-Axis Gantry CNC Profile Machining Center*** -Stroke(X/Y/Z):7000X1200X750mm -Powerful Spindle:9.0KW,24000rpm -A-Axis: ±95° -Germany Power Automation System -Servo Tool Magazine Capacity: 8T -Max. T Slot Blade Dia.:150mm - Fast Locking Automatic Avoidance Vices:7 sets - Automatic Tool Detection and Length Measurement -Transparent Protection Door -Electronic Light Curtain Protection -Automatic Central Lubrication System 	1	$98,800.00	$98,800.00
OT-PC410	***Onustec-Power Cam Integrated 4-Axis Software*** Input File from DXF/DWG/STEP – Recognize the dimensional section drawing- Fast visible programming with angles- Automatically Generate Clamp Avoidance-	1	$7,000.00	$7,000.00

	Optimization-Real Machine Simulation-Operation System- Production 			
OT-MB150	***End Milling Slot Blade Set*** -Blade Dia.:150mm 	1	$800.00	/
OT-DZ07	***Double Working Zone*** -Shuttle Operation -Dual Light Curtain Protection	1	$1,500.00	/
Say US Dollars	One Hundred and Five Thousand Eight Hundred	Only	Total	$105,800.00
OT-C6307A	***3-Axis Gantry CNC Machining Center*** -Stroke(X/Y/Z):7000X500X400mm -Italy Powerful Spindle:9.0KW,24000rpm -Germany Power Automation System -New Fast Locking Clamping System -Servo Tool Magazine Capacity: 8 Tools -Max. T Slot Blade Dia.:150mm -Infrared Light Curtain Protection -Transparent Protection Door -- Automatic Tool Detection and Length Measurement -Automatic Central Lubrication System 	1	$55,200.00	$55,200.00
OT-PC310	***Onustec-Power Cam*** ***Integrated 3-Axis Software*** Input DWG/DXF Files –Auto Recognize and Analyze the Drawing-Recogonize the Section-Fast visible programming-Optimization -Real Machine Simulation-Generate File– Power Automation System-Production 	1	$3,000.00	$3,000.00

OT-MB150	***End Milling Slot Blade Set*** -Blade Dia.:150mm 	1	$800.00	/
OT-DZ07	***Double Working Zone*** -Shuttle Operation -Dual Light Curtain Protection	1	$1,000.00	/
Say US Dollars	Fifty-Eight Thousand Two Hundred	Only	Total	$58,200.00
OT-G550CA	***High Precision*** ***CNC Double Mitre Saw*** -Super Short Cutting Function:300mm -Super Long Cutting Function -Cutting Angle: 45/90 Degree -Blades Dia.:550mmx2 -Motor Power: 3.0KWX2 -Max. Cutting Length:6000mm 	1	$17,850.00	$17,850.00
Say US Dollars	Seventeen Thousand Eight Hundred and Fifty/	Only	Total	$17,850.00

B.Trade Term:

1.FOB Guangzhou,China.
2.Package:Standard Export Package
3. Quality Guarantee: 1 year, excluding wearing parts and man-made damage.
4. Payment Terms: By T/T 50% of Total Amount as deposit, Balance should be paid before Container Loading.
5. Production Time: 40 working days after receipt of deposit, but it depends on actual condition.
6. All the installation and inspection will be finished before delivery.
7. Valid Period: 30 days since the issuing date, and the exchange rate fluctuation is less than 2%.
8. Installation and Training: The Seller will provide the professional service of Installation and Training and collect the senior engineer labor cost of $200.00/day, and the Buyer should take charge of the transportation and accommodation accordingly.

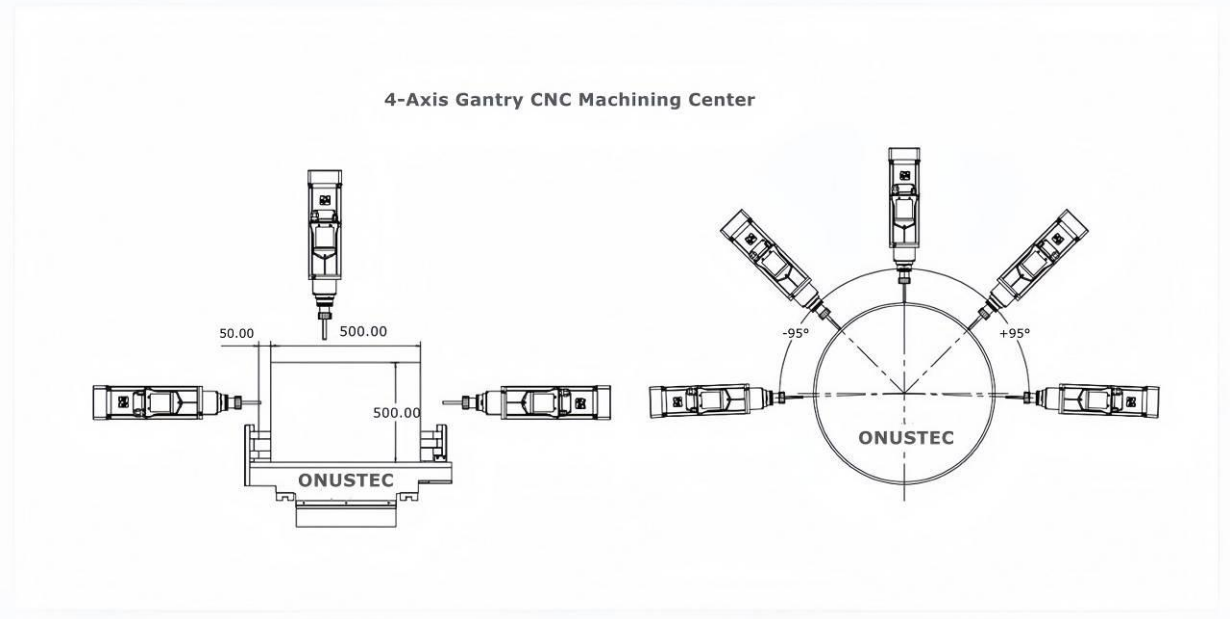
C.Machine Info.:

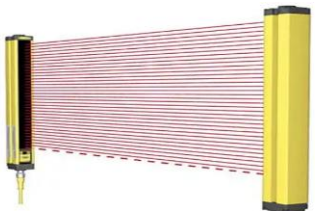
OT-C6407A 4-Axis Gantry CNC Profile Machining Center

1. Picture


onustec
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HBO


4-Axis Gantry CNC Machining Center
50.00
500.00
500.00
ONUSTEC
-95°
+95°
ONUSTEC



(Infrared light curtain protection system)

Video Link1: https://youtu.be/t8GxyexU92E

2.Machine Description

This 4-axis Gantry CNC Machining Center is applicable for 4-axis directions processing of multiple milling, drilling, cutting, tapping etc. of aluminium metal profiles with once clamping only, the Gantry Servo Drive Structure and the gantry beam driven by the linear motor not only have high-speed and high-precision positioning characteristics, but also ensure high rigidity during processing, allowing the heavy and high-precision processing to be performed on the same machine easily, providing extremely high efficiency for product processing.

It adopts Creative Design Concepts and Production Technics in accordance with German High Standards and continuous optimization and equips 9KW powerful spindle with fast umbrella type servo 8 tools magazine for large profiles and flexible processing, it can process at any angle and direction in 4 axis and it can also realize 5-side machining from below with an optional angle head, and it's professional in complicated processing and high accuracy with one-time clamping on regular and irregular profiles.

It adopts Germany Power Automation 4-Axis Professional system with easy operated Man-Machine Conversation Interface, and Windows PC on the Control Station with optional advanced German paperless software solution for efficient and labor-saving operation.

It adopts Casting Machine Head and Casting Clamping Device, as well as Famous High Precision Spindle,Reduer,Ball Screw,Gear Rack and Pinion,Linear Guide, specially our powerful professional well trained assembly engineering technics,which ensures the big processing range for large and compound shaped&curve profiles and the machine high precision for high standard processing requirements.

Machine Structure

The 4-Axis Gantry CNC Machining Center has a solid and stable gantry-type servo-drive structure, consisting of a worktable, bed, column, beam, upper and lower sliding boxes, front and rear slides, air pressure control system, automatic lubrication device, automatic cooling filter, aluminum chip collection device, the control system consists of operating desk, industrial operation system, PC, electrical control system, operating software and other components.

Definition of each coordinate axis:

- X-axis: 7200mm (4-axis 7000mm), with gantry movement for both vertical and horizontal directions;
- Y-axis: 1200mm (4-axis 500mm), with high-strength L-shaped slide design and 2-axis linear track + precision screw for forward and backward rotation;

- Z-axis: 750mm (4-axis 500mm), with square box design and double-axis linear track on the side + precision screw for up and down rotation;

Worktable Structure

The X-axis is equipped with a double-end stop reference zero positioning baffle, which can be divided into two processing work areas on the left and right, allowing the efficient shuttle operation without interruption while processing, which greatly improves the production efficiency.

Casting Machine Head&Powerful Spindle

It adopts professionally designed precision casting machine head, equipped with 24000RPM high-speed 9KW powerful high-torque spindle to realize high efficient processing of milling, drilling, engraving and cutting, etc.

Efficient Paperless Software Solution

It is equipped stable and advanced German Power Automation System and PC for operation control, and it will provide optional Efficient Paperless Software Solution, which is jointly developed by Onustec Software Expert Team and German&Italian Software Expert Team.
The Software can automatically generate the processing program for the Professional Operation System from 3D Step files, it can also automatically divide the processing divisions and clamp avoidance procedure, it saves much labor cost and improves the efficiency and avoid possible mistakes by 1:1 ratio entity simulation.

Tool Magazine and Tool Detection&Measuring System

The professionally designed linear type tool magazine with 8 tools ensures the stable and efficient tool changing at any position; The machine is equipped with automatic tool detection and measuring system, it can automatically read the tool length through signal feedback system with easy and efficient operation.

Automatic Clamping Avoidance system

It adopts advance and safe auto clamping avoidance system, it will automatically recognize and move the vices to available position while there's conflicts between tool and vices during operation, it provides safer and higher efficient operation.

Automatic Cooling System

The Spindle has air cooling function to ensure that the spindle does not overheat during processing;
The control system and electrical cabinets are also equipped with heat exhaust cooling systems;
The machine is equipped with a tool cooling spray system, the system extends the lifespan of the tool and improves the processing finish.

Automatic Lubrication System

The machine tool guide rails and ball screws adopt a pressurized central oil supply automatic lubrication system, and are equipped with an oil volume regulating valve, which is simple and convenient to operate; The oil circuits are all installed with copper pipes, which are durable, and the system operation control realizes automatic centralized oil supply and lubrication;
The electric spindle bearings, reducer and screw bearings are all lubricated with high-grade special sealed oil grease, which is stable and durable.

Safety and Protection

It is equipped with a high-sensitivity infrared induction safety protection light curtain system, the system will start to work once the machine is under operation; once the anybody enters into this protection area while operation, the machine will stop immediately, the machine will not start until the release button is pressed; besides that, it also has the transparent lifting protection door for safety.

Chip Removal design, lighting and appearance

It is equipped with movable chip collection boxes and lighting lamp inside the moveable machine head for processing area, which can improve the safety and meet the needs of night work; it is also equipped with a three-color warning light to indicate three modes: a. under operation, b. operation completion, c. fault alarm; the appearance of the entire machine is made of high-temperature durable and high-end baking painting.

Features

- 4-axis gantry cnc profile machining center
- Designed for economical and efficient machining of aluminium and thin-walled steel profiles
- All operations, such as routing, drilling, tapping, thread milling, notching and sawing, are performed while the profile bar is stationary to protect the profile surfaces
- Machining with all tools at angles continuously adjustable from -95° to +95°
- Equipped with 8 positions umbrella tool magazine allows fast machining and short tool changing time,thus optimizing the machining cycles
- Auto clamp avoidance system improves the efficiency and safety
- Operator cam software with graphic 3D display of workpieces(optional)
- The magazine can be equipped with T slot saw blade for end milling of transom profiles.
- Angle heads are available for double and end machining (0° – 90° – 180° – 270°) (optional)
- Two separate working areas enable continuous machining in shuttle operation(optional)
- Creative convenient windows operation system for remote control and convenient maintenance
- Electronic light curtain protection for operator’s safety
- Convenient PC, USB ports and network connection
- Automatic Central Oil Lubrication System
- Protection Door
- Light Curtain Sensor
- 3-Color Warning Lamp
- 4-axis controller

Options

- Shuttle operation for working on two sides
- Angle routing head for machining from below
- T slot blade for milling profile tenon and mullion
- Automatic tool sensor and length measurement
- Auto Chips conveyor system
- Barcode scanner
- Label printer
- Tool holders
- Collet chuck
- Saw head
- Tools

3.Technical Data

Travel Stroke				
X-Axis	7000mm			
Y-Axis	1200mm			
Z-Axis	750mm			
A-Axis	±95°			
Feeding				
Axis	X	Y	Z	A
Feeding Speed	80m/min	40m/min	40m/min	60°/s
Processing Speed	15000mm/min	15000mm/min	15000mm/min	30°/s
Servo Motor	2.9KW	1.8KW	1.3KW	1.0KW
Max. Torque	18.5N.m	11.5N.m	8.34N.m	7N.m
Positioning Accuracy	±0.05mm	±0.05mm	±0.05mm	±0.05mm
Spindle				
Power	9.0KW			
Max. Speed	24000rpm			
Tool Shank	HSK 63			
Tool Magazine				
Magazine Type	Umbrella			
Tool Shank	HSK 63			
Capacity	8			
Tool Chang Time	3-5s			
Worktable Avoidance	Automatic Clamp Avoidance			
Power Supply				
Voltage	415V/380V/220V As per requirements			
Transformer Requirement	30 KVA			
Air Source	0.6Mpa~0.8Mpa			

Air Consumption	169L/min
Cooling	
Processing	Mist Spray Cooling System
Spindle	Air-Cooling/0.4Mpa
Electric Cabinet	0.5KW/210 ㎥/h
Lubrication	
Ball Screw	Automatic Central Oil Lubrication System
Linear Guide	Automatic Central Oil Lubrication System
Dust Collection	
Standard	Manual Push-pull Drawer
Optional	Chip Conveyor System
Protection	
Safety	Protection Doors
	Electronic Light Curtain Sensor Protection
Machine Protection	X/Y/Z Axis Telescopic Cover
Machine Data	
Dimension(LxWxH)	9600x2200x2850mm
Weight	6000kg
Operation Requirements	
Total Power	19.5KW
Environment Temperature	5~40 C. Degree
Environment Humidity	30~70
Vibration Intensity	<0.5G
Protect from floating dust, Corrosive Air	
Grounding Resistance	<10Ω

4.Configuration

4-Axis Gantry CNC Profile Machining Center	1 set
Integrated Control Station	1 set
Germany Power Automation System	1 set
Servo System	1 set
Integrated Computer	1 set
Electrical Cabinet	1 set
Onustec PowerCam 4-Axis Software (Advised)	1 set
High Speed 9KW Spindle	1 pc
Auto Avoidance Clamping Vice	7 sets
Infrared Light Curtain Protection System	1 set
Central Auto Lubrication System	1 set
Auto Vacuum Mist Cooling System	1 set
Pneumatic System	1 set
Wireless Hand Wheel	1 set

Chip Box	1 set
Protection Transparent Door	1 set
Built-in Working Area Lighting System	1 set
Three-Color Warning Lamp System	1 set

5.Standard Spare Parts List

Item	Product Description	Model No.	Qty
1	Air Gun	WJL8000-A1	1
2	Air Gun Connector	PM20	1
3	Spring Pipe	Φ8*5 6M	1
4	Allen Key	Machine Use	1
5	Hardened Wrench	ER32UM	1
6	Collet	ER20-5	1
7	Collet	ER20-6	1
8	Collet	ER20-8	1
9	Collet	ER32-4	1
10	Collet	ER32-7	1
11	Collet	ER32-9	1
12	Collet	ER32-10	1
13	Collet	ER32-12	1
14	Tool change Device	HSK63F	1
15	Magnetic Switch	CMSG-020	5
17	Tool Holder	HSK63F-ER32-70L	5
18	Tool Holder	HSK63F-ER20-100L	3
19	Spray	YS-3000	1
20	Milling Tool	Φ6*8*14*60L	2
21	Milling Tool	Φ8*8*14*80L	2
22	Milling Tool	φ10*8*14*80L	/
23	Disassembly wrench	ER20	1

6. Paperless Software Solution

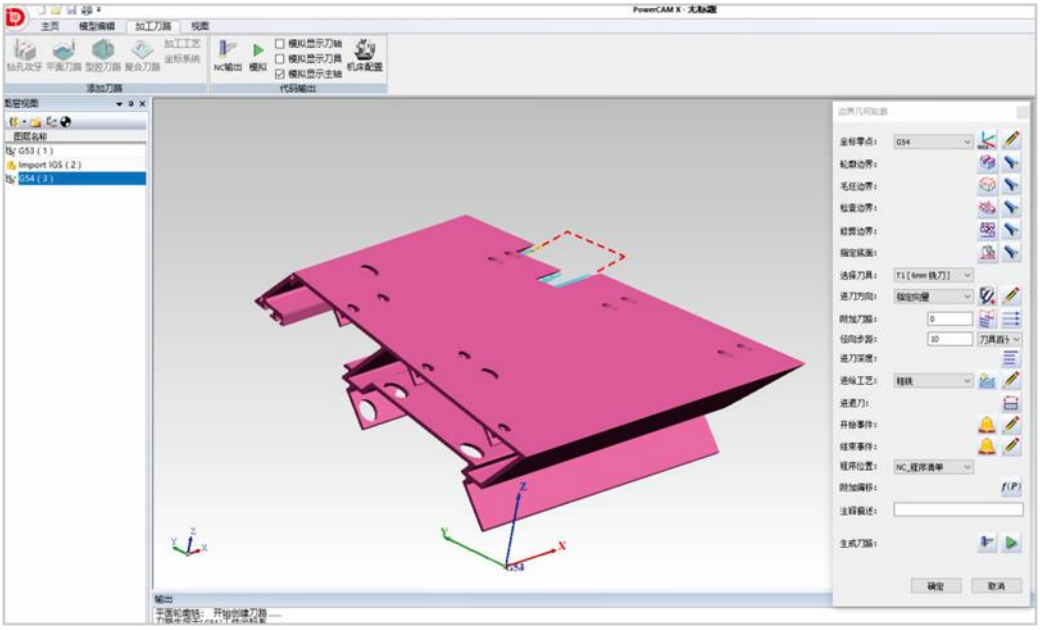
-Integrated Power Cam System

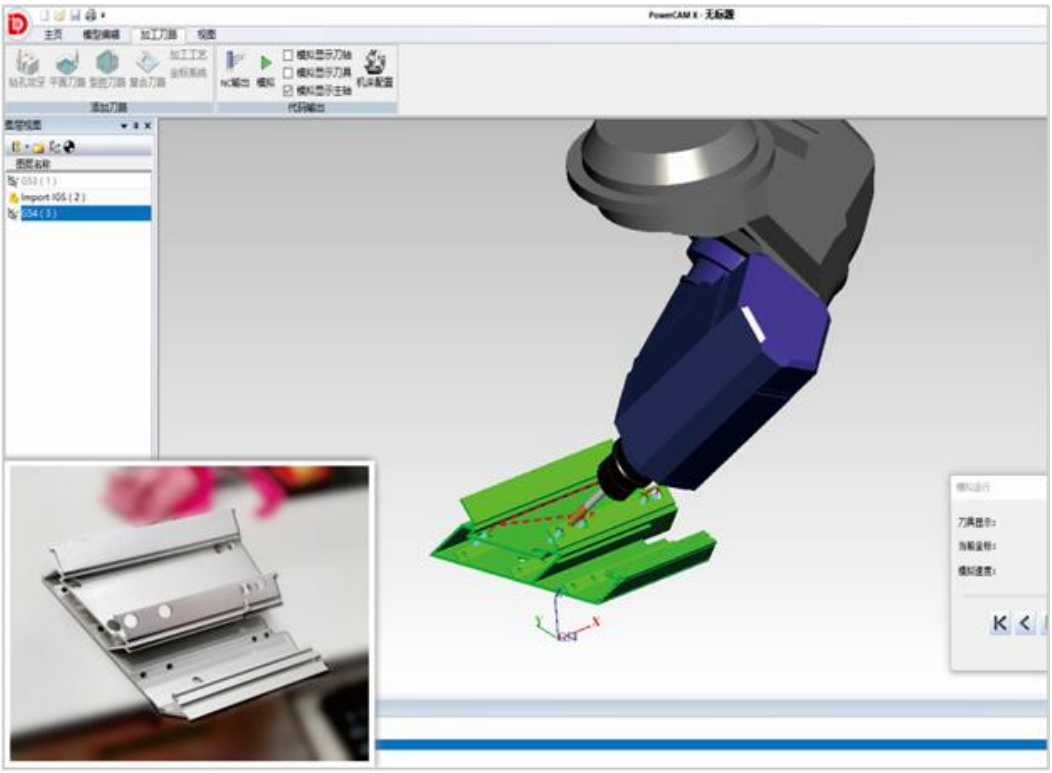
Video Link: https://youtu.be/4X9frbsYxOY

Onustec Paperless Software Solution is jointly developed by China Software Expert Team and German Software Expert Team,now it's the 10th advanced generation version.

Power Cam can automatically analyze the 3D drawing and generate the processing program and divide the processing areas, and it also allows optimizing and entity simulation for checking, it can improve the working efficiency and avoid mistake.

After that the **Power Cam** will automatically generate the clamp avoidance and it provides the actual machine simulation as all the machine data is input by 1:1 ratio,finally transfer them into the NC file for the machine system.



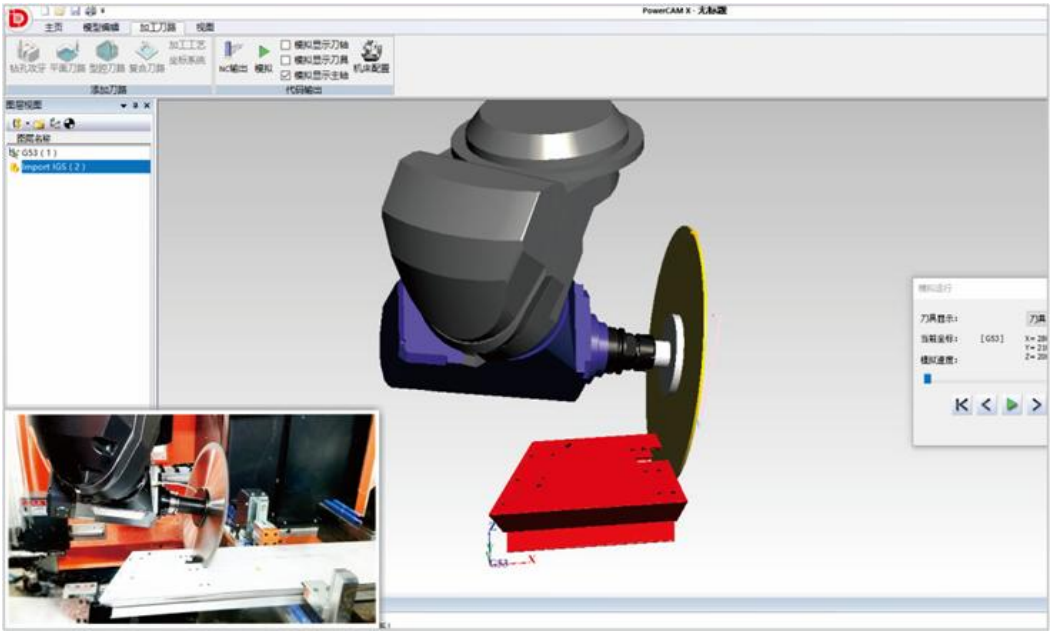


Step:

It can load the files and recognize the machining program; it can also load the files in DXF or DWG or STEP format, and recognize the section drawing for fast visible programming, it can automatically create the clamp avoidance and provides the actual machine entity simulation as all the machine data is input by 1:1 ratio.

Procedure:

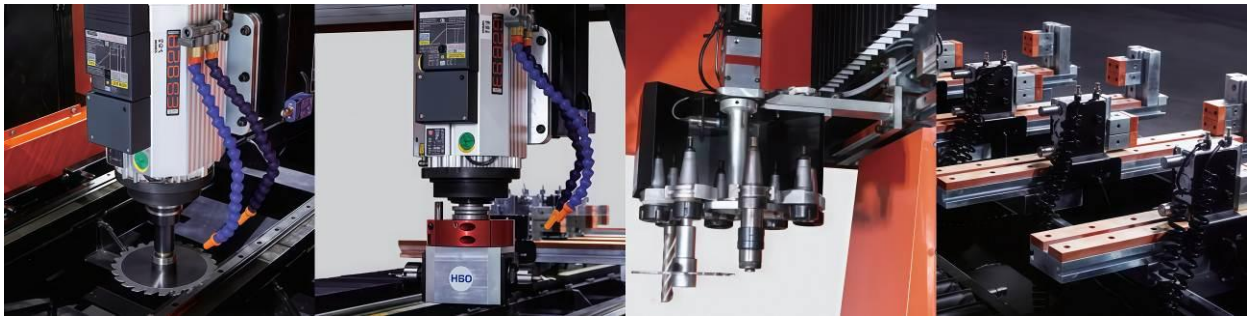
Input File from DXF/DWG/STEP – Recognize the dimensional section drawing- fast visible programming with angles- Automatically Generate Clamp Avoidance-Optimization-Real Machine Simulation-Export G Code – Production

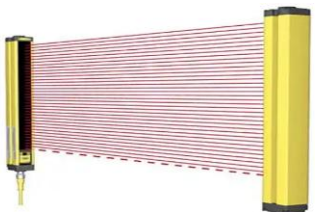


OT-C6307A 3-Axis Gantry CNC Profile Machining Center

1.Picture







(Infrared light curtain protection system)

Presentation Video: https://youtu.be/5IPAzWhVaVI
Operation Video: https://youtu.be/7YuM9z07RwI

2.Machine Description

This 3-Axis Gantry CNC Profile Machining Center is applicable for Aluminium Metal Profile Processing, it adopts Creative Design Concepts and Production Technics in accordance with German High Standards and continuous optimization.

It adopts Germany Power Automation Professional Control System with easy operated Man-Machine Conversation Interface, and it provides the Windows PC on the Control Station with optional advanced paperless software solution for efficient and labor-saving operation.

It adopts Casting Machine Head and Casting Clamping Device, as well as Famous High Precision Spindle,Reduer,Ball Screw,Gear Rack and Pinion,Linear Guide, specially our powerful professional well trained assembly engineering technics,which ensures the big processing range for large and compound shaped&curve profiles and the machine high precision for high standard processing requirements.

Machine Structure

The 3-Axis Gantry CNC Profile Machining Center has solid convenient and fast-moving gantry structure for better rigidity and stability, consisting of a worktable, bed, column, upper and lower sliding boxes, front and rear slides, air pressure control system, automatic lubrication device, automatic cooling filter, aluminum chip collection device, the control system consists of operating control station, professional operation system, PC, electrical control system, operating software and other components.

Worktable Structure

The X-axis is equipped with a double-end stop reference zero positioning baffle, which can be divided into two processing work areas on the left and right, allowing the efficient shuttle operation without interruption while processing, which greatly improves the production efficiency.

Casting Machine Head&Powerful Spindle

It adopts professionally designed precision casting machine head, equipped with 24000RPM high-speed 9.0KW high-torque spindle, and the fast-moving speed of x axis reaches 8000mm/min to realize high efficient processing of milling, drilling, engraving and cutting, etc.

Efficient Paperless Software Solution

It is equipped stable and advanced German Power Automation Industrial System and PC for operation control, and it will provide optional Efficient Paperless Power Cam Software Solution, which is jointly developed by Onustec Software Expert Team and German&Italian Software Expert Team.
The Software can automatically generate the processing program for the Industrial Operation System from 3D Step files, it can also automatically divide the processing divisions and clamp avoidance procedure, it saves much labor cost and improves the efficiency and avoid possible mistakes by 1:1 ratio entity simulation.

Tool Magazine and Tool Detection&Measuring System

The professionally designed linear type tool magazine with 8 tools ensures the stable and efficient tool changing at any position; The machine is equipped with automatic tool detection and measuring system, it can automatically read the tool length through signal feedback system with easy and efficient operation.

Automatic Cooling System

The Spindle has air cooling function to ensure that the spindle does not overheat during processing;
The control system and electrical cabinets are also equipped with heat exhaust cooling systems;
The machine is equipped with a tool cooling spray system, the system extends the lifespan of the tool and improves the processing finish.

Automatic Lubrication System

The machine tool guide rails and ball screws adopt a pressurized central oil supply automatic lubrication system, and are equipped with an oil volume regulating valve, which is simple and convenient to operate;
The oil circuits are all installed with copper pipes, which are durable, and the system operation control realizes automatic centralized oil supply and lubrication;
The electric spindle bearings, reducer and screw bearings are all lubricated with high-grade special sealed oil grease, which is stable and durable.

Safety and Protection

It is equipped with a dual high-sensitivity infrared induction safety protection light curtain system, the system will start to work once the machine is under operation; once the anybody enters into this protection area while operation, the machine will stop immediately, the machine will not start until the release button is pressed; besides that, it also has the transparent lifting protection door for safety.

Chip Removal design, lighting and appearance

It is equipped with movable chip collection boxes and lighting lamp inside the moveable machine head for processing area, which can improve the safety and meet the needs of night work; it is also equipped with a three-color warning light to indicate three modes: a. under operation, b. operation completion, c. fault alarm; the appearance of the entire machine is made of high-temperature durable and high-end baking painting.

h precision for high standard processing requirements.

Features

- 3-axis gantry cnc profile machining center
- Designed for economical and efficient machining of aluminium and thin-walled steel profiles
- All operations, such as routing, drilling, tapping, thread milling, notching and sawing, are performed while the profile bar is stationary to protect the profile surfaces
- Alongside accurate 8 positions servo driven umbrella type tool magazine allows fast machining and short tool changing time,thus optimizing the machining cycles
- 10^{th} generation Power Cam software with graphic 3D display of workpieces(optional)
- The magazine can be equipped with T slot saw blade for end milling of transom profiles.
- Angle heads for lateral and profile end machining(optional)
- Creative dual industrial operation system and industrial windows operation system
- Two separate working zones enable machining in shuttle operation(optional)

- Industrial PC, USB ports and network connection
- Automatic Central Oil Lubrication System
- Automatic tool sensor and length measurement
- Protection Door
- Light Curtain Sensor
- 3-Color Warning Lamp
- Handle Wheel Remote Controller
- 3-axis professional cam controller

Options

- Paperless efficient software solution
- Shuttle operation for working on two sides
- Angle routing head for machining from below
- T slot blade for milling profile tenon and mullion
- Auto Chips conveyor system
- Barcode scanner
- Label printer
- Tool holders
- Collet chucks
- Saw blades
- Tools

3.Technical Data

Travel Stroke			
X-Axis	7000mm		
Y-Axis	500mm		
Z-Axis	400mm		
Feeding			
Axis	X	Y	Z
Feeding Speed	80m/min	30m/min	30m/min
Processing Speed	15000mm/min	15000mm/min	15000mm/min
Servo Motor	1.0KW	1.0KW	0.75KW
Re-positioning Accuracy	±0.03mm	±0.03mm	±0.03mm
Spindle			
Power	9.0KW		
Max. Speed	24000rpm		
Tool Shank	ISO 30		
Tool Magazine			
Magazine Type	Umbrella Type		
Capacity	8T		
Tool Chang Time	3-5s		
Power Supply			

Voltage	415V/380V/220V As per requirements
Transformer Requirement	25 KVA
Air Source	0.6Mpa~0.9Mpa
Air Consumption	105L/min
Cooling	
Processing	Mist Spray Cooling System
Spindle	Air-Cooling
Electric Cabinet	19/20W 3xElectric Fans
Lubrication	
Ball Screw	Automatic Central Oil Lubrication System
Linear Guide	Automatic Central Oil Lubrication System
Dust Collection	
Standard	Manual Push-pull Drawer
Optional	Chip Conveyor System
Protection	
Machine Protection	Protection Door
	Electronic Light Curtain Sensor Protection
Machine Data	
Dimension(LxWxH)	8700x2000x2000mm
Weight	4000kg
Operation Requirements	
Total Power	12.0KW
Environment Temperature	5~40 C. Degree
Environment Humidity	30~70
Vibration Intensity	<0.5G
Protect from floating dust, Corrosive Air	
Grounding Resistance	<10Ω

4.Configuration

3-Axis Gantry CNC Profile Machining Center	1 set
Integrated Control Station	1 set
Germany Power Automation Industrial System	1 set
Servo System	1 set
Integrated Computer	1 set
Integrated Electrical Cabinet	1 set
POWER-CAM 3-Axis Software(Optional)	1 set
High Speed 9.0KW Spindle	1 pc
Fast Locking Clamping Vice	6 sets
Infrared Light Curtain Protection System	1 set
Central Auto Lubrication System	1 set
Auto Vacuum Mist Cooling System	1 set

Pneumatic System	1 set
Wireless Hand Wheel	1 set
Chip Box	1 set
Auto Protection Transparent Door	1 set
Three-Color Warning Lamp System	1 set

5.Standard Spare Parts List

Item	Product Description	Model No.	Qty
1	Air Gun	WJL8000-A1	1
2	Air Gun Connector	PM20	1
3	Spring Pipe	Φ8*5 6M	1
4	Allen Key	Machine Use	1
5	Hardened Wrench	ER32UM	1
6	Collet	ER20-5	1
7	Collet	ER20-6	1
8	Collet	ER20-8	1
9	Collet	ER32-4	1
10	Collet	ER32-7	1
11	Collet	ER32-9	1
12	Collet	ER32-10	1
13	Collet	ER32-12	1
14	Tool change Device	ISO30	1
15	Magnetic Switch	CMSG-020	2
17	Tool Holder	IS030-ER32-50L	5
18	Tool Holder	IS030-ER20-100L	3
19	Spray	YS-3000	1
20	Milling Tool	Φ6*8*14*60L	2
21	Milling Tool	Φ8*8*14*80L	2
22	Milling Tool	φ10*8*14*80L	/
23	Disassembly wrench	ER20	1

6. Paperless Software Solution

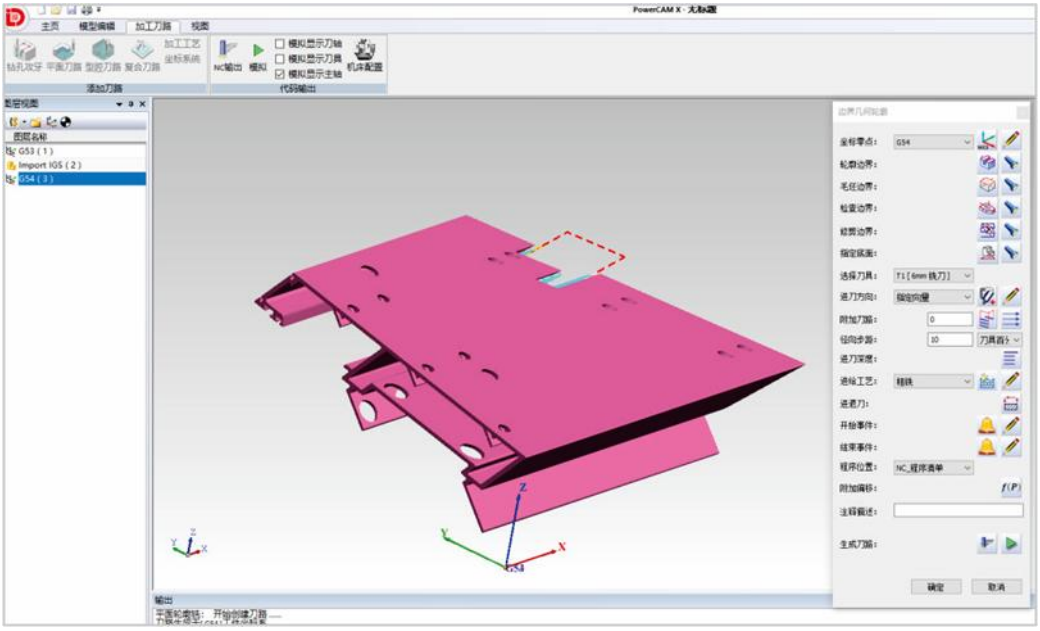
-Integrated Power Cam System

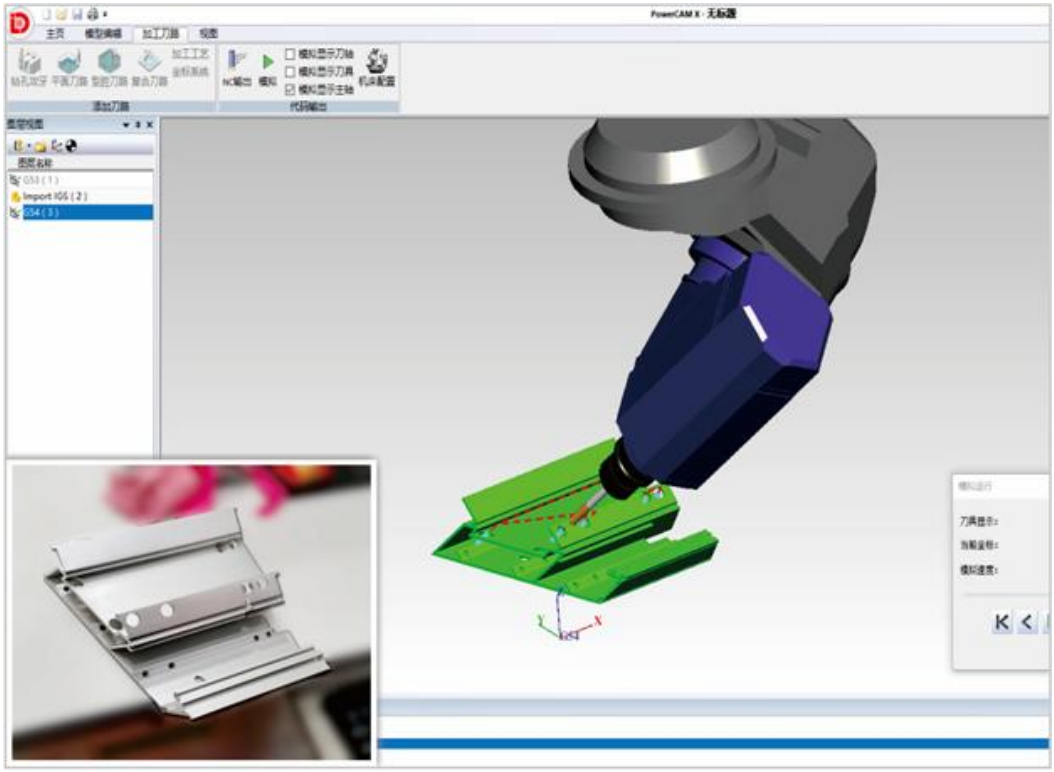
Video Link: https://youtu.be/4X9frbsYxOY

Onustec Paperless Software Solution is jointly developed by China Software Expert Team and German Software Expert Team,now it's the 10th advanced generation version.

Power Cam can automatically analyze the 3D drawing and generate the processing program and divide the processing areas, and it also allows optimizing and entity simulation for checking, it can improve the working efficiency and avoid mistake.

After that the **Power Cam** will automatically generate the clamp avoidance and it provides the actual machine simulation as all the machine data is input by 1:1 ratio,finally transfer them into the NC file for the machine system.



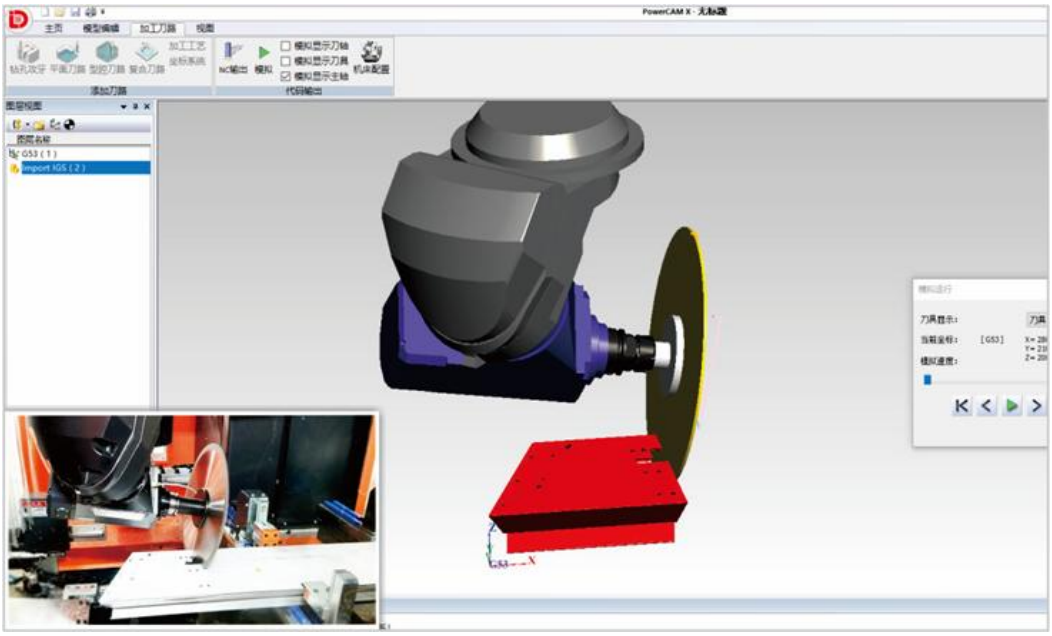


Step:

It can load the files and recognize the machining program; it can also load the files in DWG or STEP format, and recognize the section drawing for fast visible programming, it can automatically create the clamp avoidance and provides the actual machine entity simulation as all the machine data is input by 1:1 ratio.

Procedure:

Input File from DWG/STEP – Recognize the dimensional section drawing- fast visible programming with angles-Automatically Generate Clamp Avoidance-Optimization-Real Machine Simulation-Export G Code – Production

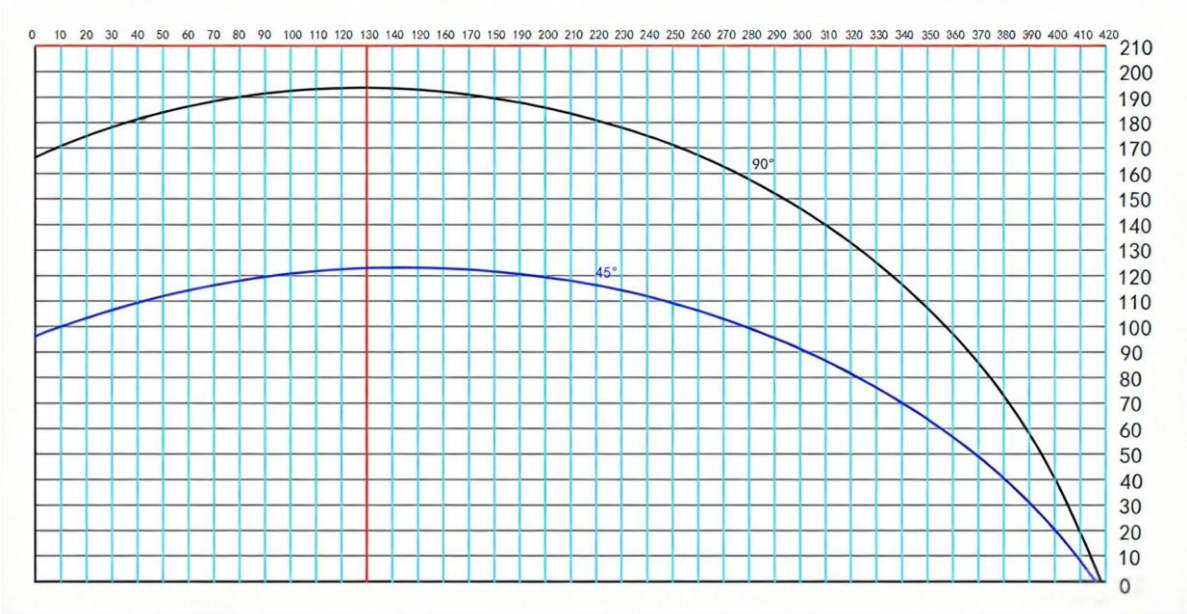


OT-G550CA

High Precision CNC Double Mitre Saw-Cutting from below

1.Picture





Video Link: https://youtu.be/4VGpJkPW28Q

2.Machine Description

This High Precision CNC Double Mitre Saw is applicable for 45/90 Degree Cutting of Large Aluminium Metal Profiles with 550mm blades, it adopts Creative German Design Concepts and Production Technics in accordance with European High Standards and continuous optimization.

It adopts Famous Easy Operated Man-Machine Conversation Interface,Casting Machine Base, as well as Famous High Precision Components,specially the Powerful Professional Assembly Engineering Technics that Well Trained by German Engineers,which ensures the wide processing range for large and complicated profiles and High Precision for High End Processing Requirements.

Features

- The reliable German principle "Cutting from below"

- High efficient cuts possible for all variant length cutting
- Ideal machine for high-volume series production when cutting at 90° and 45°
- Liquid mist diffuser coolant system for aluminium machining
- Equipped with saw blades and safety hoods as standard
- Equipped with CNC system and touching screen as standard
- Super cutting functions meet your special requirements for extremely length materials
- Automatic cutting function meets your straight repeat length cutting requirements
- Equipped high precision linear guide and servo driving system as standard
- 1 pc mobile workpiece support and roller conveyor as standard
- Horizontal and vertical pneumatic material clamping units
- 2x3.0KW motors for fast and thick profile bar cutting
- 550mm dia. Blades provide bigger cutting range
- Optimized protection shields as standard

Cutting length variants

- 3,000 mm
- 4,500 mm
- 6,000 mm
- 7,500 mm
- Additional lengths on request

Options

- Saw blades
- Safety fence
- Label printer
- Material clamping units
- Mobile workpiece support
- Stationary and/or travelling roller conveyor
- Additional software of optimized cutting function
- High performance cutting fluid for aluminium machining

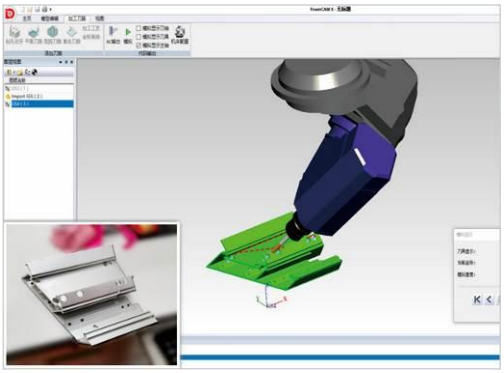
3.Technical Data

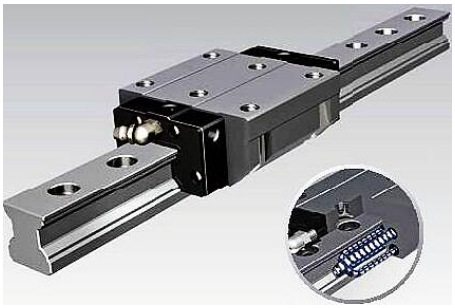
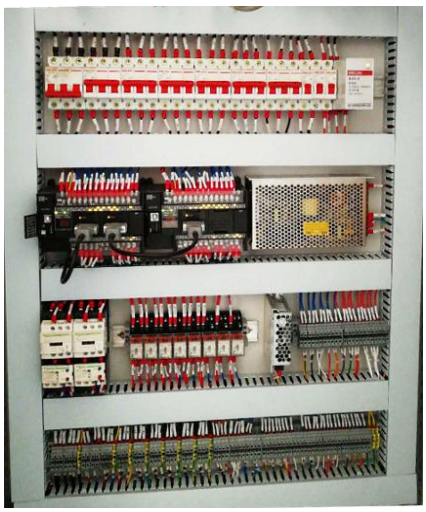
Cutting Length	420-6000mm
Max. Cutting Width	230mm
Max. Cutting Height	175mm
Cutting Angle	45/90°
Accuracy	±0.1mm/m
Blade Diameter	550mm×2
Cutting Motor	3.0KW×2
Motor Speed	2860rpm
Servo Motor	0.75KWx1
Total Power	6.75KW
Cooling Type	Liquid Diffuser

Lubrication System	Central Auto
Voltage	3Phase,380V/415/220,50Hz or Custom-made
Working Air Pressure	0.6Mpa-0.8Mpa
Machine Dimension	5800x1600x1600mm
Machine Weight	2000kg

Craftsmanship Spirit&Features

No.	Parts	Picture	Brand	Features
1	Operation System		Siemens Power Automation	Creative Dual Operation System: 1.Germany Siemens Professional Industrial System 2.Professional PC Software System The dual system provides Paperless Drawing Export and Paperless Production in High Efficiency. Germany Siemens Features: 1. 10.4" TFT color display 2. Communications Front interfaces (IP65) RJ45 Ethernet/USB 2.0 Compact Flash (CF) card 3. Maintenance-free No battery (continuous data buffering based upon NV-RAM technology) No fan/ No hard disk
2	Servo Motor and Servo Driver		Siemens Yaskawa	4. User-friendly Full QWERTY keyboard Hard keys with protective foil IP65 degree of protection 5. Clever 3/8" thread for accessories 6. Optimum connection Rear interfaces USB 2.0/ RJ45 Ethernet DRIVE-CLiQ/PLC I/O interface RS232 C/NC inputs/outputs Maximum Programming Dimension: 99999.999mm Minimum Resolution: 1μm

3	CAM Software (Optional)		Onustec Upgrade Version	Onustec Updated Powerful Paperless Software Solution is jointly developed by OT Software Experts as well as German and Italian Software Expert Teams, it can recognizes and processes all the data (profiles, lengths and cutting angles, machining, tools), and then automatically transfers them to the CAM of the machine.
4	Spindle		HITECO HSD SCM	International Famous Brand: Max Speed 24000RPM High Precision Fast Speed Stable and Durable
5	Reducer		Spinea Shimpo TMOX Motoreducer	International Famous Brand: High Precision Fast Speed Stable and Durable Suitable for fast reverse processing
6	Gear Rack and Pinion	 	YYC ATLANTA TBI HIWIN	International Famous Brand: High Precision High-precision Grinding Stable and Durable

7	Ball Screw		TBI HIWIN THK	International Famous Brand: High Precision High-precision Grinding Stable and Durable
8	Linear Guide		PMI TBI HIWIN THK	International Famous Brand: High Precision High-precision Grinding Stable and Durable
9	PLC and Power Supply	 	OMRON Panasonic Delta	International Famous Brand High Sensitivity Stable and Durable
10	Electric Wiring		Onustec	Onustec Machine Circuits are designed and installed by professional Electrical Engineers. All control components adopt Schneider, Omron and other famous brands, and reasonable and neat wiring. It has multiple protections as Motor Current Overload and Motor Reverse Direction

11	Surface Handling		Onustec	Onustec Machine is currently The Only Manufacturer that adopts Technics of High Temperature Baking Paint after Sanding (pickling) and Rust Removal in the industry in China. It ensures the beautiful and eleg Machine Appearance without discoloration and paint peeling for many years.
12	R&D and Production Of CNC		Onustec	All Mechanical Design and Production Technics are implemented in accordance with German High Standards, and some configurations are even higher than some German Brands; The Machine Precision, Efficiency, Stability and Applicability has been approved by all users. The Processing Efficiency exceeds that of European Brands, which enjoys high reputation in the industry.
13	R&D and Production Of Saws		Onustec	All Machine Design Concepts and Production Technics are implemented in accordance with German High Standards with continuous optimization. The Machine Precision and stability has surpassed some European Brands.

Remark: All depends on the actual supply chain condition, we'll adopt the same quality and performance components or technics as per the production schedule without prior notice.

CE Certificate

Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة

Form QAT_10-M04, version 02, effective since October 07th, 2022

CERTIFICATE

No. 4Z230511.GODQ36

Test Report / Technical Construction File no. ZTL-20230506015

Certificate's Holder:	Guangzhou Onustec Group Ltd. Rm 2328 No. 559 Tianhe North Road, Tianhe District, Guangzhou, China 510635
Manufacturer:	Onustec Machine Equipment Co., Ltd. Unit 6, No. 18 Keda Road, Shishan Town, Nanhai District, Foshan City, Guangdong Province, China
Certification ECM Mark	ECM Type Approved
Product:	Drilling and Miling Machining Center
Trademark:	onustec
Model(s):	*(see the following annex)*
Verification to:	Standard: EN ISO 12100:2010, EN 60204-1:2018 related to CE Directive(s): 2006/42/EC (Machinery) 2014/35/EU (Low Voltage)

This document has been issued in accordance with the European Commission's note of 14 September 2022 ref. Ares (2022) 6342894 concerning voluntary certifications with a non-notified procedure.

The manufacturer has voluntarily decided to submit its documents concerning the above-mentioned product for verification. Ente Certificazione Macchine confirms that the documentation made available and immediately returned to it, as containing sensitive data, meets the essential requirements of the above-mentioned directives. The verification activity carried out exclusively concerned the technical documentation and no verification was carried out on the product. This document cannot replace the EC Declaration of Conformity. The above conformity mark can be affixed to the technical documentation in accordance with the ECM regulation on its issue and use, published on the website www.entecerma.it

Issuance date: 11 May 2023

Expiry date: 10 May 2028

For online check:

Approver
Ente Certificazione Macchine
Legal Representative
Luca Bedonni

Ente Certificazione Macchine Srl
Via Ca' Bella, 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO) - ITALY
☎ +39 051 6705141 🖷 +39 051 6705156 ✉ info@entecerma.it 🌐 www.entecerma.it

CE Certificate

Certificate – Сертификат – 證明書 – Certificat – 인증서 – شهادة

Form QAT_10-M04, version 02, effective since October 07th, 2022

CERTIFICATE

No. 4Z230511.GODQ35

Test Report / Technical Construction File no. ZTL-20230506025

Certificate's Holder:	Guangzhou Onustec Group Ltd. Rm 2328 No. 559 Tianhe North Road, Tianhe District, Guangzhou, China 510635
Manufacturer:	Onustec Machine Equipment Co., Ltd. Unit 6, No. 18 Keda Road, Shishan Town, Nanhai District, Foshan City, Guangdong Province, China
Certification ECM Mark	ECM Type Approved
Product:	Saw Machine
Trademark:	onustec
Model(s):	*(see the following annex)*
Verification to:	Standard: EN ISO 12100:2010, EN 60204-1:2018 related to CE Directive(s): 2006/42/EC (Machinery) 2014/35/EU (Low Voltage)

This document has been issued in accordance with the European Commission's note of 14 September 2022 ref. Ares (2022) 6342894 concerning voluntary certifications with a non-notified procedure.

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☎ +39 051 6705141 🖷 +39 051 6705156 ✉ info@entecerma.it 🌐 www.entecerma.it

Partial Customers

onustec

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ALUMACO	Alunile	Alural	alutec
ALUTRADE	ARCHI CASAKA	Art-N-Glass	Brite Frame Fabricator
CAPSTONE	Crystal	DUNE TRADING AND CONTRACTING	ELEKTROMETAL NOVA
EURO FACADE TECH	EVERESTT	Formula	Glazium Facades
GLOABAL ALUMINIUM	K&K	KOREL	MASTER BILL
M-D Building Products	METAL ALUMINIO	Modern Building Materials	MontAlu
MR-GLASS	PELITAMAJU FACADES	POSITIVE ENGINEERING PTE LTD	PRESS METAL
ROBMEG STEEL	SANVIJAY	SENG HIAP GLASS	System Contracting Facade Solutions
SYSTMZ	UMAC	Trialam Fasade	TAIYO KIKAKU
Anodal	DOMUSTAR SHOWER	LEADER ALUMINIUM	Metal-Aluminio
GFZ FACADE	OPTIMA WINDOW	SILVERSHINE	WGH FACADE