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Wechat Official

High Speed Machining Center

High Efficiency+Customized



DEMASCNC

※ The company reserves the right to make product modifications,
which are subject to change without prior notice

An CNC Intelligent Machining Center Solution Provider



COMPANY INTRODUCTION

12

Sectors

1000+

Service Customers

28+

Sales And Service Sites (Domestic and Global)

12000

Area



DEMAs Headquarters

As front-runners in the field of CNC machining centers, we have independently developed a high-end series that includes **Long-stroke profile** machining centers, **Horizontal** machining centers, **Five-axis** machining centers, and **Gantry** machining centers, as well as customized intelligent machines. All products are equipped with industry-leading advanced configurations and incorporate self-R&D technologies. Our machines are widely used in the fields of **aluminum extrusion, aluminum die casting, machinery manufacturing, aerospace and defense, and automobile manufacturing.**

With our independent design and manufacturing capabilities, Demas provides global customers with high performance, high-quality intelligent CNC machine to customers worldwide. This helps customers **enhance production efficiency, significantly reduce production costs, and substantially improve product quality.** Now, we have served numerous well-known enterprises across multiple industries, accumulating extensive industry experience and earning high praise. We are steadily moving toward our goal of becoming a global leader in the intelligent equipment industry.

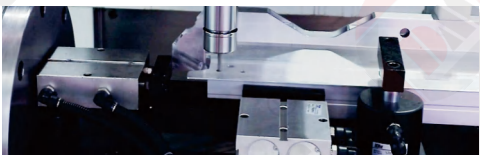
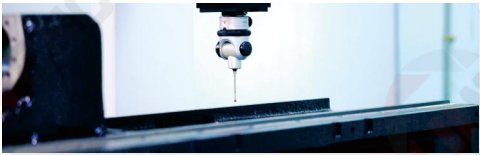
“Dedication To Creating Values and Achieving Goals”

-DEMAs CNC



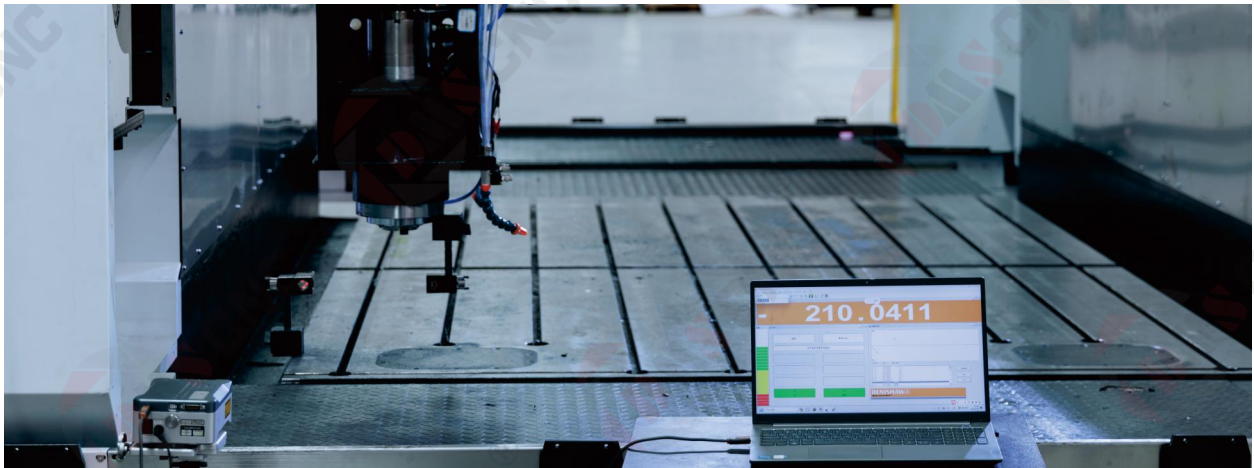
Become an Intelligent Equipment Front-runner

With the intelligent upgrading of the manufacturing industry and the iteration of precision machining needs, the Demas high-speed CNC machining center has emerged. With high speed, high accuracy, and high efficiency as its core values, the product is equipped with self-developed technology and a modular system to improve stability and achieve customization solutions. It suits manufacturing scenarios in high-tech industries such as new energy vehicles, aerospace, etc.



Why choose Demas?

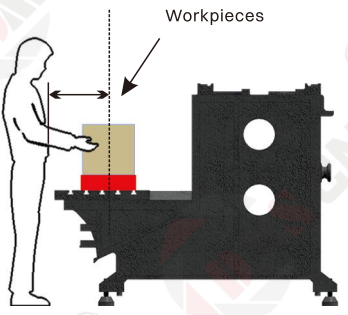
Demas is dedicated to understanding the market, listening to customers, implementing feedback into solutions, and continuously optimizing and significantly improving the customer experience through our products and services.



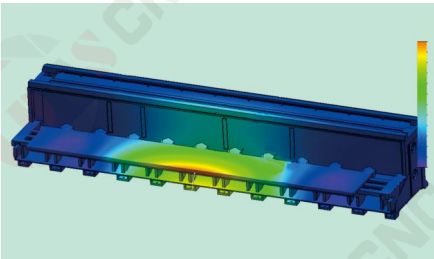
DESIGN CONCEPT



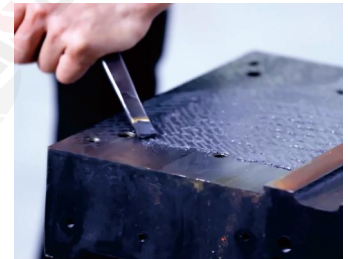
Demas "L" Shaped Casting Bed



Ergonomic Design



Analysis Of Force



Application Of Scraping Process.
Higher Precision And Stability

Automotive lightweight solution



Battery tray



Aluminum subframe



Blackplane



Threshold beam



Bumper



Electrical control box



Motor Housing



Luggage rack



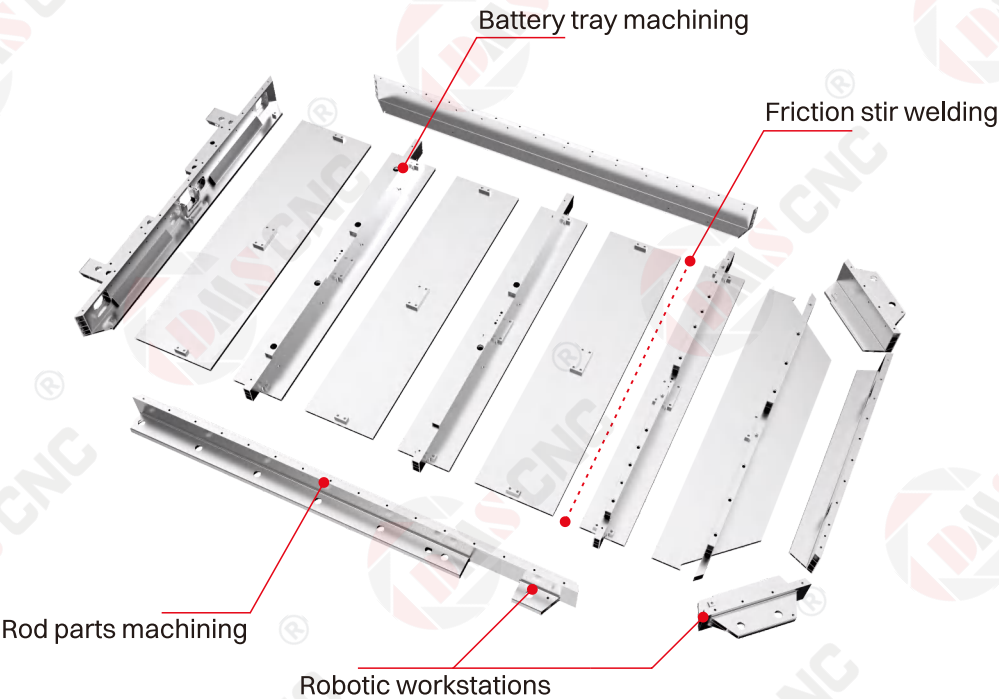
Pedal



Electric automobile chassis



New energy vehicle battery tray Turn-key solution



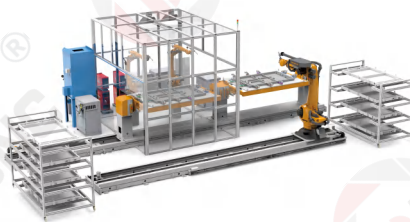
01 Rod parts machining
Uses specialized fixtures to machine a wide variety of rod parts.



02 Friction stir welding
Seamless welding with friction welding machines



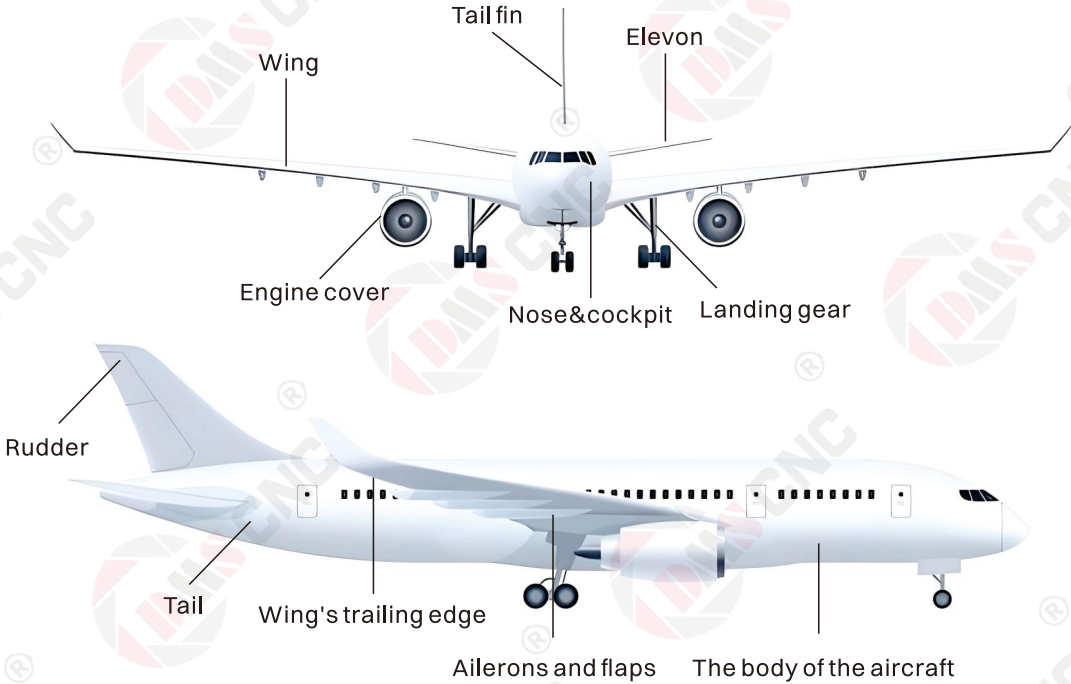
03 Robotic workstations
Use robot welding machines with specialized fixtures and rotary tables to weld the rods.



04 Battery tray assembly machining
High-speed gantry machining centers machining the whole welded battery tray



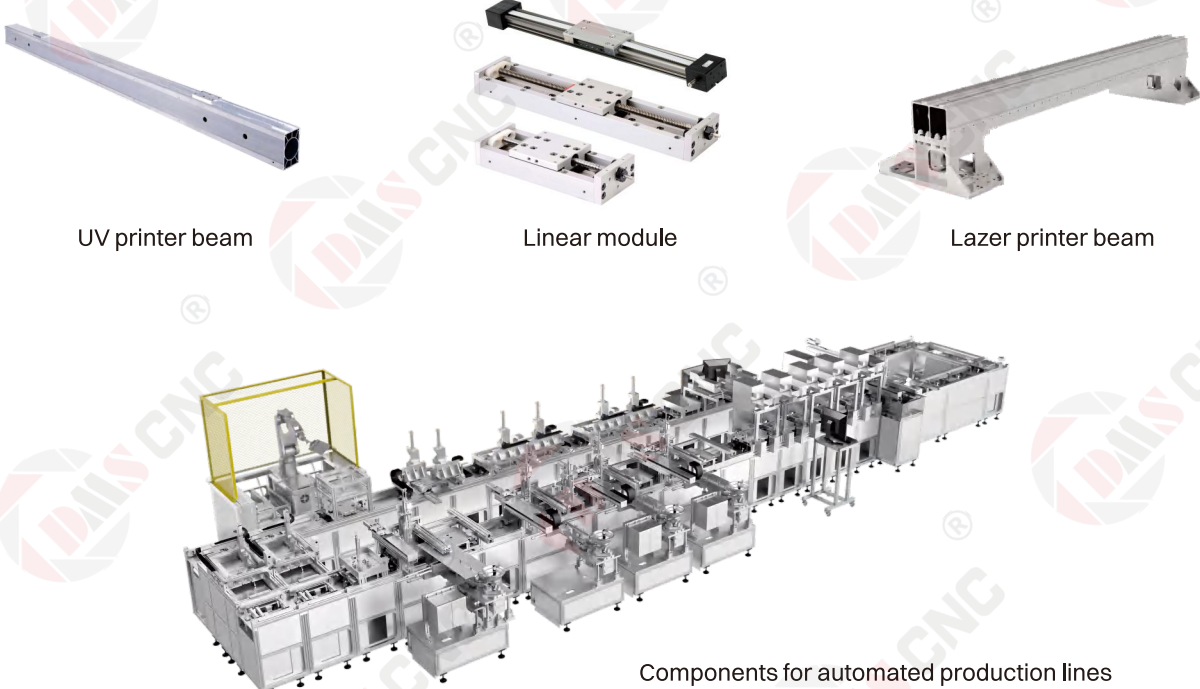
Aerospace machining solutions



Aerospace applications



Automation industry solution



Other industries solution



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High-Speed Gantry Machining Center

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High-Speed Horizontal Machining Center

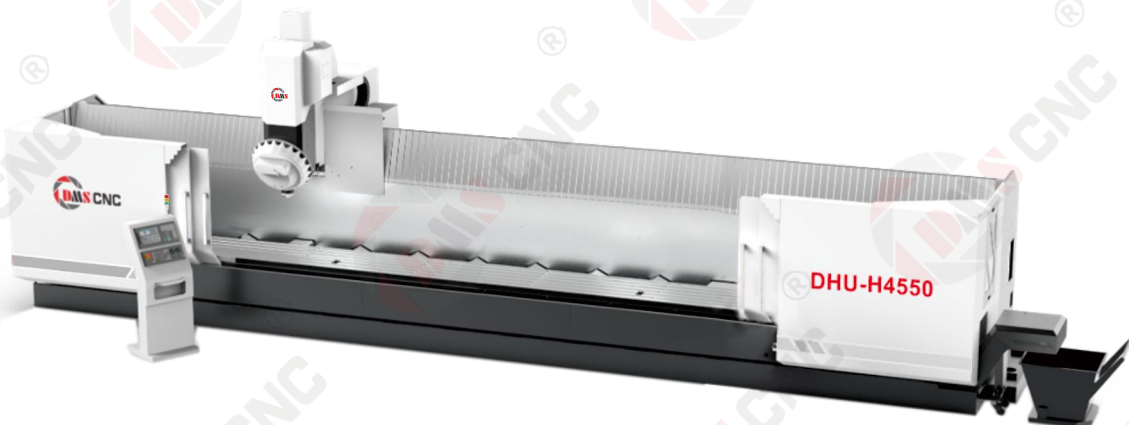
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DHU-H Series

High-Speed Long Stroke Machining Center



Standard Models:

- DHU-H2550
- DHU-H4550
- DHU-H6550

Customizable to Other Lengths

Application



Automotive Parts



Aluminum Profiles



Customized Home Accessories

Machine Parameter

X-axis	2500-14000mm
Y-axis	450mm
Z-axis	400mm
X/Y/Z Rapid Traverse	60/40/40 m/min
Worktable Size(mm)	2000-14000x600/650
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT30
Spindle Speed(rpm)	12000
Spindle Power(kw)	5.5/11
Tool Magazine Capacity	16
Tool Change Time(sec)	2

※ The above parameters are for reference only. Please refer to the technical agreement for details.

DCV-Z Series

High-Speed Long Stroke Machining Center



Standard Models:

- DCV-Z2550
- DCV-Z4550
- DCV-Z6550

Customizable to Other Lengths

One-piece Casting Bed

Application



Aerospace



Rail Transportation



Automotive Parts



Electrical appliances



Industrial Profiles



Customized Home Accessories

Machine Parameter

X-axis	2500-6500mm
Y-axis	550mm
Z-axis	500-700mm
X/Y/Z Rapid Traverse	36/40/40 m/min
Worktable Size(mm)	2500-6500*500
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT40-Φ140
Spindle Speed(rpm)	12000
Spindle Power(kw)	11/18.5
Tool Magazine Capacity	24
Tool Change Time(sec)	2

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DHV-Z Series

High-Speed Long Stroke Machining Center

Advantage



- Equipped with a direct-connected mechanical spindle, it ensures high rigidity for heavy-duty cutting.



- Standard 2500mm three-axis screw, with optional configurations ranging from 4500mm to 6500mm for the three-axis screw.



- Equipped with high-torque motors, it improves machining efficiency and stability.



- The adoption of an arm type of tool magazine achieves the high efficiency of automatic tool change.



Application



Aerospace



Photovoltaic Energy Storage



Automotive Parts



Rail Transportation



Industrial Profiles



Ships

Machine Parameter

X-axis	1600-14000mm
Y-axis	650mm
Z-axis	700mm
X/Y/Z Rapid Traverse	36/40/40 m/min
Worktable Size(mm)	2000-14000*650
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT40-Φ150
Spindle Speed(rpm)	12000
Spindle Power(kw)	11/18.5
Tool Magazine Capacity	24
Tool Change Time(sec)	2

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Standard Models:

DHV-Z1665

DHV-Z2565

DHV-Z4565

DHV-Z6565

Customizable to Other Lengths

One-piece Casting Bed

DHV-Z-D4 Series

High-Speed Long Stroke Machining Center



Standard Models:

DHV-Z1665-D4

DHV-Z2565-D4

DHV-Z4565-D4

DHV-Z6565-D4

Customizable to Other Lengths

One-piece Casting Bed

Application



Automotive Parts



Aerospace



Photovoltaic Energy Storage



Ships



Rail Transportation



Industrial Profiles

Machine Parameter

X-axis	1600-6500mm
Y-axis	515mm
Z-axis	700mm
X/Y/Z Rapid Traverse	36/40/40
Worktable Size(mm)	2000-14000*600/650
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT40
Spindle Speed(rpm)	20000
Spindle Power(kw)	20/25
Tool Magazine Capacity	24
Tool Change Time(sec)	2

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DFV-Z Series

High-Speed Long Stroke Machining Center



Standard Models:

DFV-Z1685

DFV-Z2585

DFV-Z4585

Customizable to Other Lengths

One-piece Casting Bed

Application



Automotive Parts



Aerospace



Photovoltaic Energy Storage



Ships



Rail Transportation



Industrial Profiles

Machine Parameter

X-axis	1600-14000mm
Y-axis	850mm
Z-axis	700mm
X/Y/Z Rapid Traverse	36/40/40 m/min
Worktable Size(mm)	2000-14000*860
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT40-Φ150
Spindle Speed(rpm)	12000
Spindle Power(kw)	11/18.5
Tool Magazine Capacity	24
Tool Change Time(sec)	2

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DHW-Z Series

High-Speed Long Stroke Machining Center



Standard Models:

- DHW-Z1665
 - DHW-Z2565
 - DHW-Z4565
 - DHW-Z6565
- Customizable to Other Lengths

One-piece Casting Bed

Application



Automatic Track



Mechanical Accessories



Aerospace

Machine Parameter

X-axis	1600-14000mm
Y-axis	650mm
Z-axis	700mm
X/Y/Z Rapid Traverse	36/40/40 m/min
Worktable Size(mm)	2000-14000*600
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT50-Φ155
Spindle Speed(rpm)	8000
Spindle Power(kw)	15/18.5
Tool Magazine Capacity	24
Tool Change Time(sec)	2

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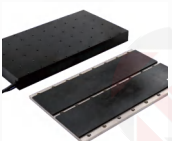
DGV-Z Series

High-Speed Linear Motor Machining Center



HIGH-SPEED
LONG-STROKE MACHINING CENTER

Advantage



- Equipped with linear motors enables more than 1G acceleration and higher machining efficiency.



- Equipped with a high-torque electric spindle for better finish.

Application



Automotive Parts



Ships



Rail Transportation



Photovoltaic Energy Storage



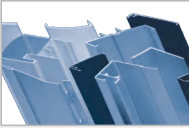
Aerospace



Medical Devices



Semiconductor Equipment



Industrial Profiles

Standard Models:

- DGV-Z2550/DGV-Z4550/DGV-Z6550
- Customizable to Other Lengths
- One-piece Casting Bed

Machine Parameter

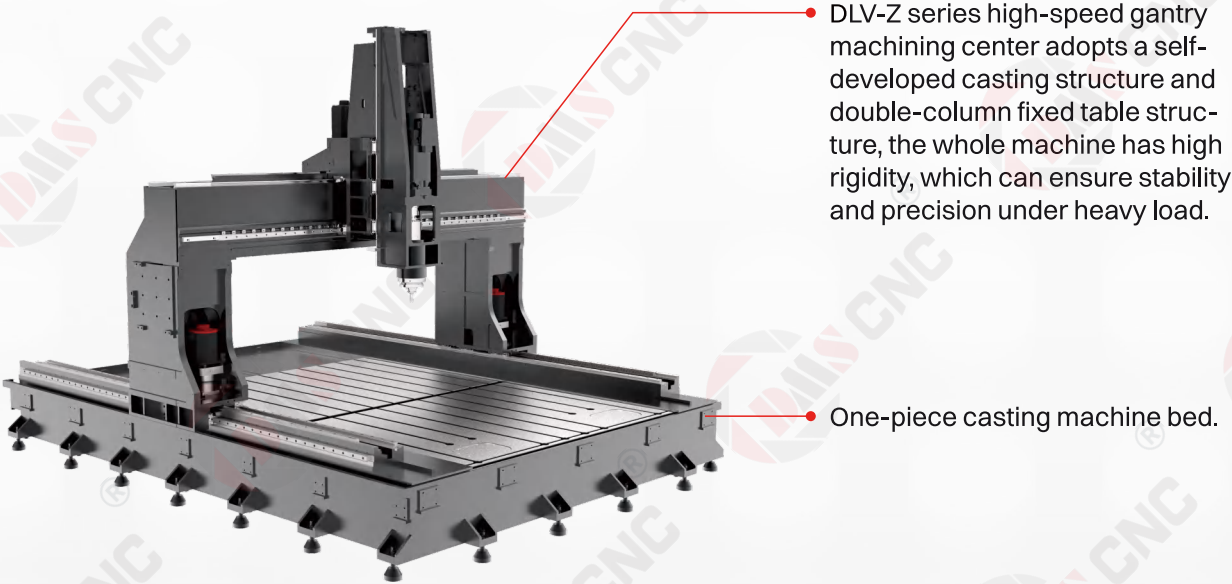
X-axis	2500-14000mm
Y-axis	550mm
Z-axis	550mm
X/Y/Z Rapid Traverse	100/50/48 m/min
Worktable Size(mm)	2500*500
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT40
Spindle Speed(rpm)	20000
Spindle Power(kw)	20/25
Tool Magazine Capacity	24
Tool Change Time(sec)	2

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DLV-Z Series

High-Speed Gantry Machining Center

Advantage



- The standard configuration is 2+1 chain chip conveyors for easier chip removal.

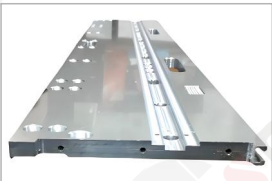


- Equipped with a direct-connected spindle and a portable tool magazine to achieve high-speed cutting and improve processing efficiency.

Application



Ships



Metal Sheet



Rail Transportation



Photovoltaic Energy Storage



Automotive Parts

Machine Parameter

X-axis	3000mm
Y-axis	2000mm
Z-axis	800mm
X/Y/Z Rapid Traverse	50/55/36 m/min
Worktable Size(mm)	3000*2000
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT40-φ140
Spindle Speed(rpm)	12000
Spindle Power(kw)	11/18.5
Tool Magazine Capacity	24
Tool Change Time(sec)	2

※ The above parameters are for reference only. Please refer to the technical agreement for details.

DLV-G Series

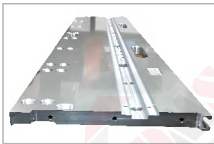
High-Speed Bridge Gantry Machining Center



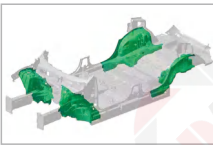
Application



Ships



Metal Sheet



Automotive Parts



Mechanical Accessories



Rail Transportation

Machine Parameter

X-axis	3000-6000mm
Y-axis	1600-2000mm
Z-axis	700/800mm
X/Y/Z Rapid Traverse	50/50/40 m/min
Worktable Size(mm)	3000-6000*1600/2000
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT40-Φ140
Spindle Speed(rpm)	12000
Spindle Power(kw)	11/18.5
Tool Magazine Capacity	24
Tool Change Time(sec)	2

※ The above parameters are for reference only. Please refer to the technical agreement for details.

DLV-H Series

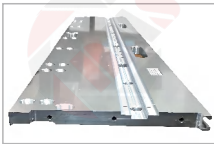
High-Speed Gantry Machining Center



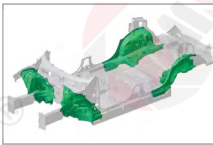
Application



Ships



Metal Sheet



Automotive Parts



Photovoltaic Energy Storage



Rail Transportation

Machine Parameter

X-axis	1800mm
Y-axis	2500mm
Z-axis	700/800mm
X/Y/Z Rapid Traverse	50/50/40 m/min
Worktable Size(mm)	1800*2500
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT40-Φ140
Spindle Speed(rpm)	12000
Spindle Power(kw)	11/18.5
Tool Magazine Capacity	24
Tool Change Time(sec)	2

※ The above parameters are for reference only. Please refer to the technical agreement for details.

DLV-D5 Series

High-Speed 5-Axis Gantry Machining Center



Application



Aerospace



Automotive Parts



Rail Transportation

Machine Parameter

X-axis	2000mm
Y-axis	3000mm
Z-axis	1000mm
X/Y/Z Rapid Traverse	55/36/36 m/min
Worktable Size(mm)	3000*2000
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	HSK-A63
Spindle Speed(rpm)	24000
Spindle Power(kw)	20/22.3
Tool Magazine Capacity	24
Tool Change Time(sec)	2

※ The above parameters are for reference only. Please refer to the technical agreement for details.

DLW-G Series

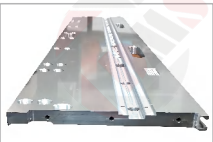
High-Speed Bridge Gantry Machining Center



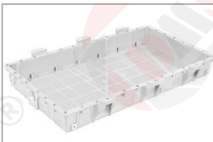
Application



Ships



Metal Sheet



Automotive Parts



Construction Machinery



Rail Transportation



Aerospace

Machine Parameter

X-axis	6000mm
Y-axis	2500mm
Z-axis	700mm
X/Y/Z Rapid Traverse	60/36/36 m/min
Worktable Size(mm)	6500*2500
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	HSK-A100
Spindle Speed(rpm)	15000
Spindle Power(kw)	28
Tool Magazine Capacity	24
Tool Change Time(sec)	2

※ The above parameters are for reference only. Please refer to the technical agreement for details.

DLW-Z Series

Fixed Beam Gantry Machining Center



Application



Aerospace



Automotive Parts



Mechanical Accessories



Construction Machinery



Automation Industry

Machine Parameter

X-axis	3000mm
Y-axis	2000mm
Z-axis	1000mm
X/Y/Z Rapid Traverse	10/12/10 m/min
Worktable Size(mm)	3000*1800
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT50
Spindle Speed(rpm)	6000
Spindle Power(kw)	15/18.5
Tool Magazine Capacity	24
Tool Change Time(sec)	2

※ The above parameters are for reference only. Please refer to the technical agreement for details.

DLC-Z Series

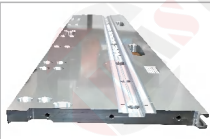
Gantry&Laser Composite Machining Center



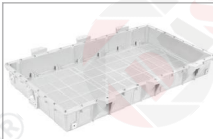
Application



Ships



Metal Sheet



Automotive Parts



Construction Machinery



Rail Transportation



Aerospace

Machine Parameter

X-axis	2000mm
Y-axis	3000mm
Z-axis	700mm
X/Y/Z Rapid Traverse	60/60/36 m/min
Worktable Size(mm)	3200*2000
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT40
Spindle Speed(rpm)	12000
Spindle Powe(kw)r	11/18.5
Laser Power(kw)	3
Tool Magazine Capacity	24
Tool Change Time(sec)	2

※ The above parameters are for reference only. Please refer to the technical agreement for details.

DTV-Z Series

High-Speed Horizontal Machining Center



Machine Parameter

X-axis	800mm
Y-axis	660mm
Z-axis	550mm
X/Y/Z Rapid Traverse	80/70/80 m/min
Worktable Size(mm)	Φ630
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	HSK-A63
Spindle Speed(rpm)	20000
Spindle Power(kw)	30
Tool Magazine Capacity	30
Tool Change Time(sec)	2

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Application



Automobile Parts



Die Casting



Profile



Automation Industry



Communications



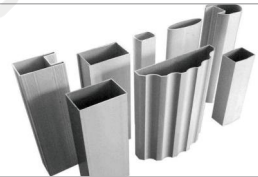
Small And Medium-Sized Metal Box

DM-T Series

High-Speed Drilling & Milling Machining Center



Application



Industry Aluminum Profile



Automotive Parts



Medical Equipment

Machine Parameter

X-axis	600-800mm
Y-axis	400/500mm
Z-axis	350/520mm
X/Y/Z Rapid Traverse	48/48/48 m/min
Worktable Size(mm)	700-1000*420/500
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT30-Φ100
Spindle Speed(rpm)	12000
Spindle Power(kw)	5.5
Tool Magazine Capacity	21
Tool Change Time(sec)	2

※ The above parameters are for reference only. Please refer to the technical agreement for details.

DM-V Series

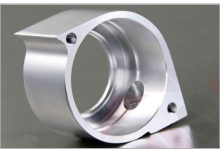
High-Speed Vertical Machining Center



Application



Medical Equipment



Valves



5G Product



Molds



Auto Parts



3C Electronic Products

Machine Parameter

X-axis	800-1200mm
Y-axis	550/600/700mm
Z-axis	600/700mm
X/Y/Z Rapid Traverse	48/48/48 m/min
Worktable Size(mm)	1000-1200*500-650
Accuracy(mm)	0.015/0.01/0.01
Spindle Taper	BT40-Φ150
Spindle Speed(rpm)	12000
Spindle Power(kw)	7.5
Tool Magazine Capacity	24
Tool Change Time(sec)	2

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Options



Safety light curtains



Angle head



Rotary table



5-axis A/C-axis



Rotary B-Axis ±90°



Infrared touch probe



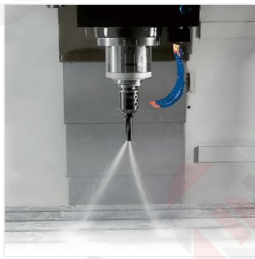
Tool setter



Broken tool detection



Grating Scale



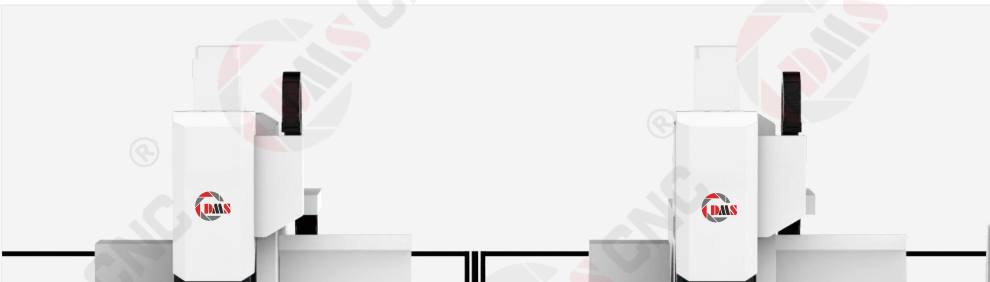
Spindle center discharge



Oily Water Separator



Safety lock



Double head

Intelligent flexible production solution

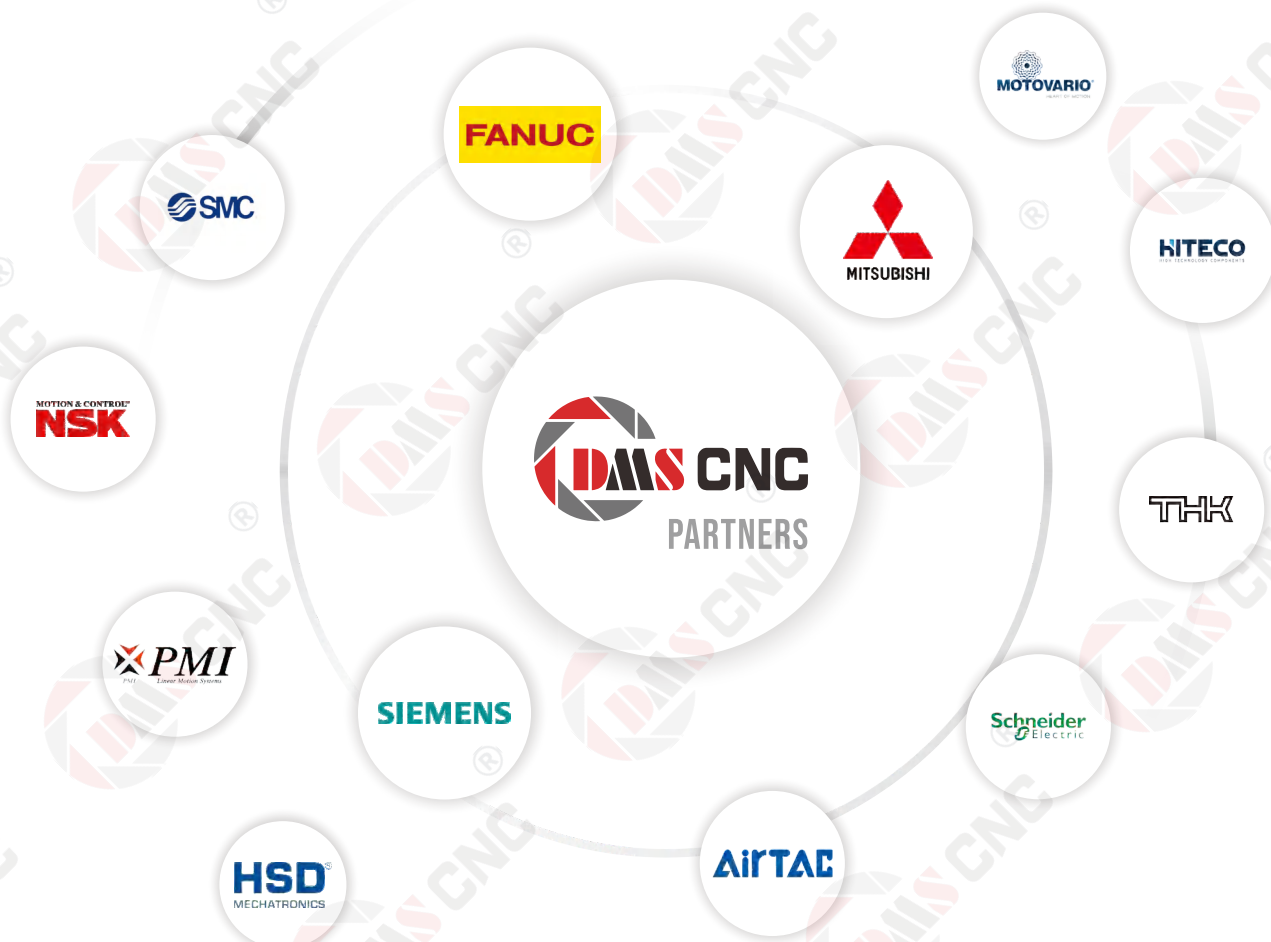


Intelligent and flexible production integration solution focusing on Demas profile, gantry, and vertical and horizontal machining centers.

Adopting Demas “intelligent Manufacturing Platform” , combined with intelligent machiningcenters. robots, and other core products, provides inteartated solutions for intellicent production.

Achieve stable processing performance and machining accuracy, meeting the new energy vehicles, integrated die-casting parts, battery trays, and other workpiece processing, automated handling, replacing manual labor, improving quality, and increasing efficiency.

Partners



*The ranking is not in any particular order

Support and service

24 hours
on-site service



PRE-SALE

Consulting Services: Demas offers consulting to help customers understand products and solutions before buying.

Solutions design: Demas customizes solutions creating efficient environments with plant layout and machine selection.

Budget Evaluation: Demas assist in controlling costs, aiming for cost-effective procurement solutions.

120-minute
repair response time



FOLLOW-UP

Order support: Track orders and update production in real-time for prompt customer awareness.

Logistics distribution: Coordinate logistics resources, choose the optimal transport solutions to ensure safe and on-time delivery.

Quality inspection: Ensure productions' accuracy performance, and safety meet standards before leaving the factory.

Precision parts
quick repair service



AFTER-SALE

Installation and commissioning: Dispatch professional technicians to the site for I&C.

Operation training: Training on machine tool operations, programming, and daily maintenance.

Professional
training



Acceptance support: Assist customers to carry out test-cutting processing, verify its processing capacity and accuracy.

After-sales docking: Establish a long-term after-sales service contact with customers to ensure that timely technical support and maintenance services.



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