

CNCmakers Limited

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COMPANY PROFILE

CNCmakers was founded by a team which had been working in the field of CNC machine tools manufacturing for more than 10 years.

We have R&D office in Taiwan and our factory is in China. In this way we can keep ourself to have the up- to-date technology and turn it into our products.

The way a machine is built affects the way it performs. we think first from the customer's view when we make the designing, and we use premium quality components throughout to assure long term reliability and performance. we don't take manufacturing short cuts, and we take quality control from the very beginning like the selection of the material suppliers, and to the end like shipment and installation.

All of our machines are tested for 48 hours of actual running time to assure quality is built into every machine we made. and we have full record which covers components specifications and all the information during production, this system allows us to have a fast response for after sales service and spare parts supply.

We will continue to do our best to provide high-precision, high-efficiency machines and even better service, to guarantee our customer's satisfaction.

CNCmakers a different CNC machine tool manufacturer from China. Contact us today, to know the difference.

QUALITY CONTROL



LASER INSPECTION



WORKPIECE CUTTING TEST



HARDNESS INSPECTION



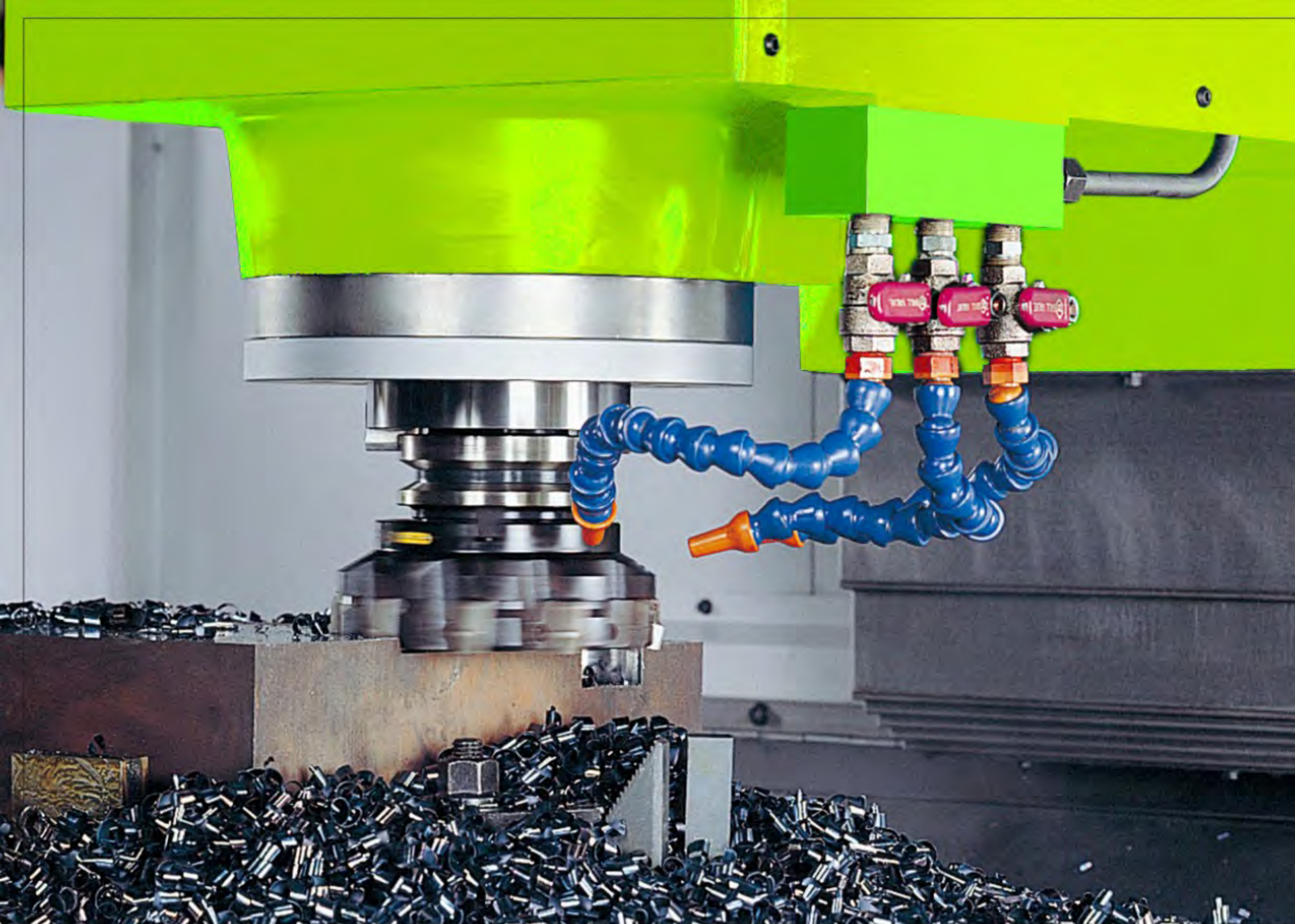
BALL BAR INSPECTION



ACCURACY INSPECTION



SOUND TEST



RELIABILITY AND PERFORMANCE.

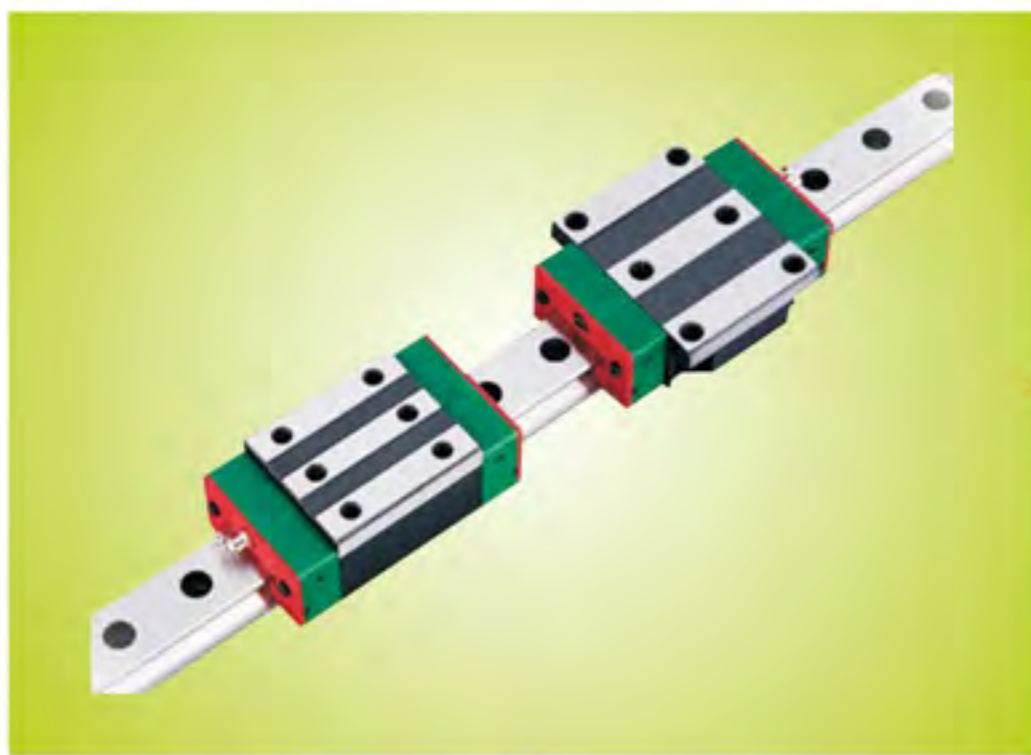
—— Quality machine made by **CNCmakers**

Optimun structural design

Featuring excellent capability, rigidity and stability



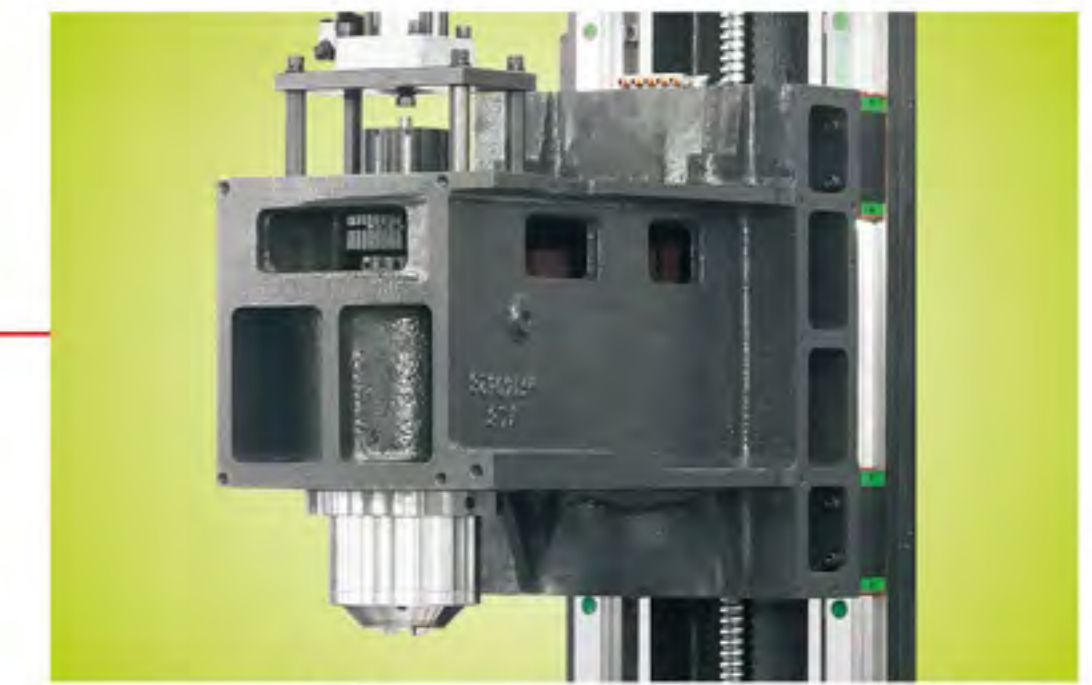
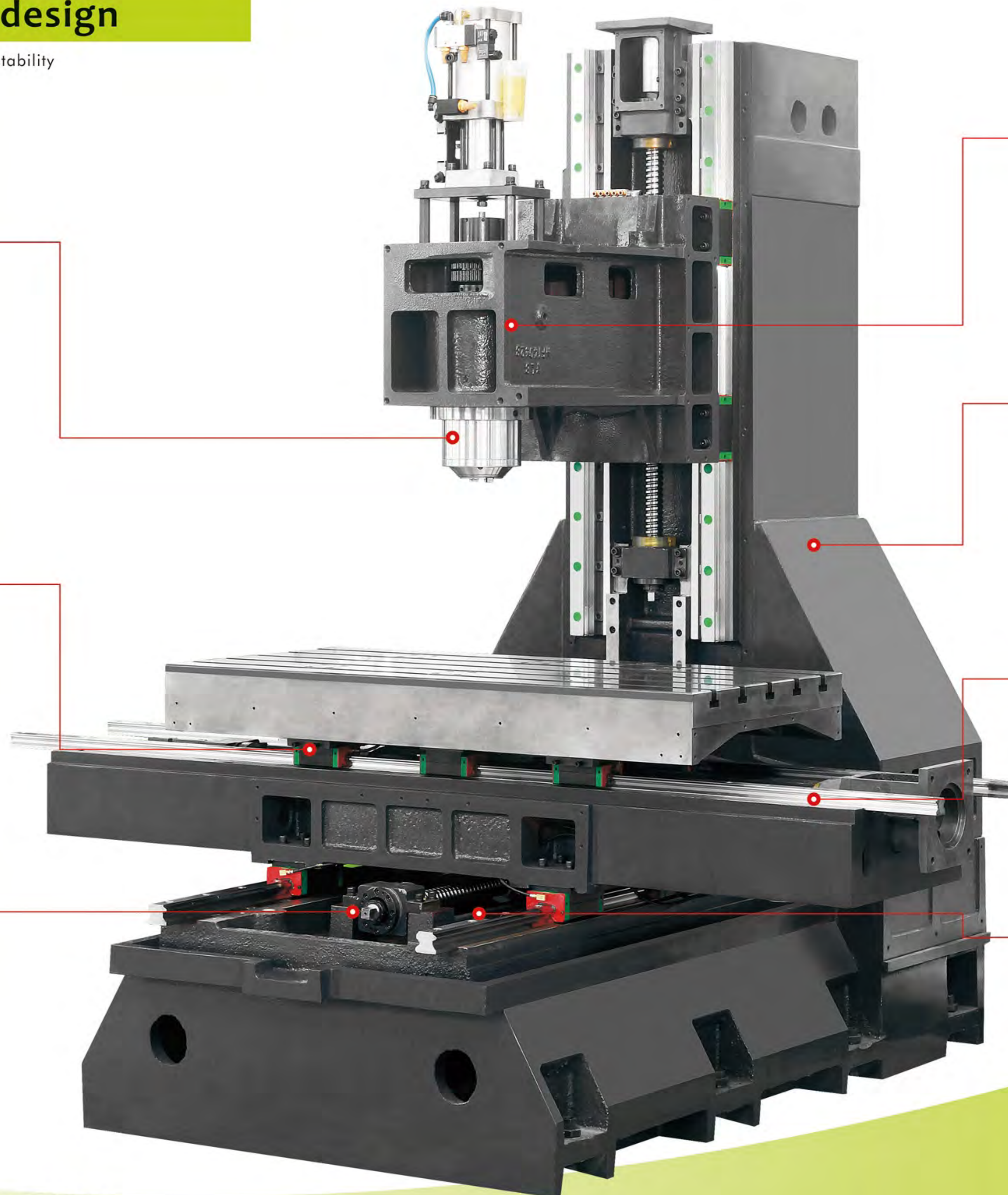
Well balanced spindle



Heavy duty and Precise linear guideways



Pre-loaded ballscrew with double nut



High rigid headstock



Extra wide column



X axis with 6 blocks
(for model X travel 1100mm or more)



The bearing and the motor seat
in Y axis are connected in one piece
to have better performance during
high speed movement

A Simple Entry to CNC Machining

- Training
- Tool Room workshop
- Metal Parts Machining
- Mold Making
- R&D

DESCRIPTION

- Cast iron is tempered for stress relief to ensure structural stability without deformation
- C3 class ballscrews ensure the highest accuracy and durability
- Pretension on all axis minimizes thermal distortion



STANDARD ACCESSORIES

- SIEMENS 808D Control
- Full enclosed splash guard
- Spindle 8000rpm, BT40
- 12 stations Umbrella tool changer
- Heat exchanger for electrical cabinet
- Rigid tapping
- USB interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Hand wheel(MPG)
- Tool box
- Leveling bolts and blocks
- Chip flushing device
- Air gun
- Operation manuals

OPTIONAL ACCESSORIES

- Spindle speed 10000rpm
- Spindle oil cooler
- Tool Measurement

MICRO CENTER · MICRO PLUS

- Best choice to start CNC machining



SPECIFICATION

TABLE	MICRO CENTER	MICRO PLUS
Table size	650×300mm	750×400mm
T slot(width×number×distance)	14×3×100mm	14×3×125mm
Max. load	200kg	350kg
TRAVEL		
X/Y/Z Travel	500/300/400mm	600/400/450mm
Spindle nose to table	120-520mm	80-530mm
Spindle center to column	340mm	434mm
SPINDLE		
Spindle taper	BT40	BT40
Spindle servo motor	3.7/5.5KW	5.5/7.5KW
Spindle speed	8000RPM	8000RPM
FEED		
Rapid feed	X/Y:20m/min Z: 12m/min	20m/min
Cutting speed	1-8000mm/min	1-12000m/min
ACCURACY		
Positioning accuracy	±0.01/300	±0.01/300
Repeatability accuracy	±0.005	±0.005
DIMENSION&WEIGHT		
Dimension	1660×2000×1800MM	1800×2530×2300mm
Weight	1800kg	3400kg



DESCRIPTION

- High rigid machine frame to fit high accelerations
- High speed&low noise ballscrew and linear guideways on three axis
- Direct drive spindle with standard speed 12000rpm
- Rapid feed 48m/min to reduce Non-machining time



STANDARD ACCESSORIES

- Full enclosed splash guard
- Spindle Servo motor 4.8/6KW
- BT 30 Direct drive spindle with 12000 rpm speed
- 16 stations tool changer
- Heat Exchanger for electrical cabinet
- Ethernet and CF Card interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Hand wheel(MPG)
- Chip flushing device
- Leveling bolts and blocks
- Air gun
- Operation manuals

OPTIONAL ACCESSORIES

- Spindle oil cooler
- Workpiece Measurement
- 4th axis
- Tool Measurement
- Spindle speed 15000rpm

Machining Center CT6

- Good performance, high speed



SPECIFICATION

TABLE	CT6
Table size	750×400mm
T slot(width×numer×distance)	14×3×125mm
Max.load	350kg
TRAVEL	
X/Y/Z Travel	600/400/300mm
Spindle nose to table	150-450mm
SPINDLE	
Spindle type	BT30
Spindle servo motor (SIEMENS)	4.8/6KW
Spindle speed	12000RPM
TOOL CHANGER	
Tool number	16
Max.tool diameter(without adjacent tool)	60(80)MM
Max.tool length/weight	250mm/3KG
FEED	
Rapid feed	48m/min
Cutting speed	1-12000mm/min
ACCURACY	
Positioning accuracy	±0.003/300
Repeatability accuracy	±0.003
DIMENSION & WEIGHT	
Dimension	1800×2530×2300mm
Weight	3000kg

A Simple Entry to CNC Machining

- Training
- Tool Room workshop
- Metal Parts Machining
- Mold Making
- R&D

DESCRIPTION

- Cast iron is tempered for stress relief to ensure structural stability without deformation
- C3 class ballscrews ensure the highest accuracy and durability
- Pretension on all axis minimizes thermal distortion



STANDARD ACCESSORIES

- Full enclosed splash guard
- Spindle Servo motor 7/10KW
- Spindle 10000rpm, BT40
- Heat exchanger for electrical cabinet
- Rigid tapping
- Ethernet and USB interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Hand wheel(MPG)
- Tool box
- Leveling bolts and blocks
- Chip flushing device
- Air gun
- Operation manuals

OPTIONAL ACCESSORIES

- 20 stations arm tool changer
- 12 stations umbrella tool changer
- Workpiece Measurement
- Spindle speed 12000rpm direct drive
- Tool Measurement
- Spindle oil cooler
- Coolant Through Spindle

Machining Center CV6L

- Good performance, high speed



SPECIFICATION

TABLE	CV6L
Table size	750×400mm
T slot(width×number×distance)	14×3×125mm
Max. load	350kg
TRAVEL	
X/Y/Z Travel	600/400/450mm
Spindle nose to table	80-530mm
Spindle center to column	434mm
SPINDLE	
Spindle taper	BT40
Spindle servo motor (SIEMENS)	7/10KW
Spindle speed	10000RPM
FEED	
Rapid feed	48m/min
Cutting speed	1-12000mm/min
ACCURACY	
Positioning accuracy	±0.003/300
Repeatability accuracy	±0.003
DIMENSION&WEIGHT	
Dimension	1800×2530×2300mm
Weight	3500kg



DESCRIPTION

- Cast iron is tempered for stress relief to ensure structural stability without deformation
- C3 class ballscrews ensure the highest accuracy and durability
- Pretension on all axis minimizes thermal distortion

STANDARD ACCESSORIES

- Full enclosed splash guard
- Spindle Servo motor 7/10KW
- Spindle 10000rpm, BT40
- Air-condition for electrical cabinet
- Rigid tapping
- Ethernet and CF Card interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Hand wheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Operation manuals

OPTIONAL ACCESSORIES

- 24 stations Arm tool changer
- 16 stations Umbrella tool changer
- Workpiece Measurement
- Spindle oil cooler
- Spindle speed 12000rpm direct drive
- Tool Measurement
- Screw type chip conveyor
- 4th axis
- Coolant Through Spindle

Machining Center CV10L

- Good performance, high speed



SPECIFICATION

TABLE	CV10L
Table size	1100×500mm
T slot(width×number×distance)	18×5×100mm
Max. load	600kg
TRAVEL	
X/Y/Z Travel	1020/520/550mm
Spindle nose to table	100-650mm
Spindle center to column	550mm
SPINDLE	
Spindle taper	BT40
Spindle servo motor (SIEMENS)	7/10KW
Spindle speed	10000RPM
FEED	
Rapid feed	30m/min
Cutting speed	1-12000mm/min
ACCURACY	
Positioning accuracy	±0.003/300
Repeatability accuracy	±0.003
DIMENSION&WEIGHT	
Dimension	2650×2100×2500mm
Weight	5500kg

Machining Center CV9L • CV11L

High performance, high rigidity

DESCRIPTION

- Cast iron is tempered for stress relief to ensure structural stability without deformation
- C3 class ballscrews ensure the highest accuracy and durability
- Pretension on all axis minimizes thermal distortion



STANDARD ACCESSORIES

- Full enclosed splash guard
- Spindle Servo motor 9/13KW
- Spindle 10000rpm, BT40
- Air-condition for electrical cabinet
- Rigid tapping
- Ethernet and CF Card interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Hand wheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Operation manuals

OPTIONAL ACCESSORIES

- 24 stations Arm tool changer
- 16 stations Umbrella tool changer
- Workpiece Measurement
- Spindle oil cooler
- Spindle speed 12000rpm direct drive
- Tool Measurement
- Screw type chip conveyor
- 4th axis
- Coolant Through Spindle



SPECIFICATION

TABLE	CV9L	CV11L
Table size	1000×500mm	1200×550mm
T slot(width×number×distance)	18×5×100mm	18×5×100mm
Max. load	650kg	800kg
TRAVEL		
X/Y/Z Travel	900/550/600mm	1100/550/600mm
Spindle nose to table	80-680mm	80-680mm
Spindle center to column	585mm	585mm
SPINDLE		
Spindle taper	BT40	BT40
Spindle servo motor (SIEMENS)	9/13KW	9/13KW
Spindle speed	10000RPM	10000RPM
FEED		
Rapid feed	36m/min	36m/min
Cutting speed	1-12000mm/min	1-12000mm/min
ACCURACY		
Positioning accuracy	±0.003/300	±0.003/300
Repeatability accuracy	±0.003	±0.003
DIMENSION&WEIGHT		
Dimension	2750×2180×2500mm	2750×2180×2500mm
Weight	6000kg	6800kg

Machining Center CV13L • CV15L

■ High performance, high rigidity

DESCRIPTION

- Cast iron is tempered for stress relief to ensure structural stability without deformation
- C3 class ballscrews ensure the highest accuracy and durability
- Pretension on all axis minimizes thermal distortion



STANDARD ACCESSORIES

- Full enclosed splash guard
- Air-condition for electrical cabinet
- Rigid tapping
- Ethernet and CF Card interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Hand wheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Operation manuals

OPTIONAL ACCESSORIES

- 24 stations Arm tool changer
- 20 stations umbrella tool changer
- Workpiece Measurement
- Coolant Through Spindle
- Spindle oil cooler
- Spindle speed 10000rpm
- Spindle speed 12000rpm direct drive
- Screw type chip conveyor
- 4th axis
- Tool Measurement

SPECIFICATION

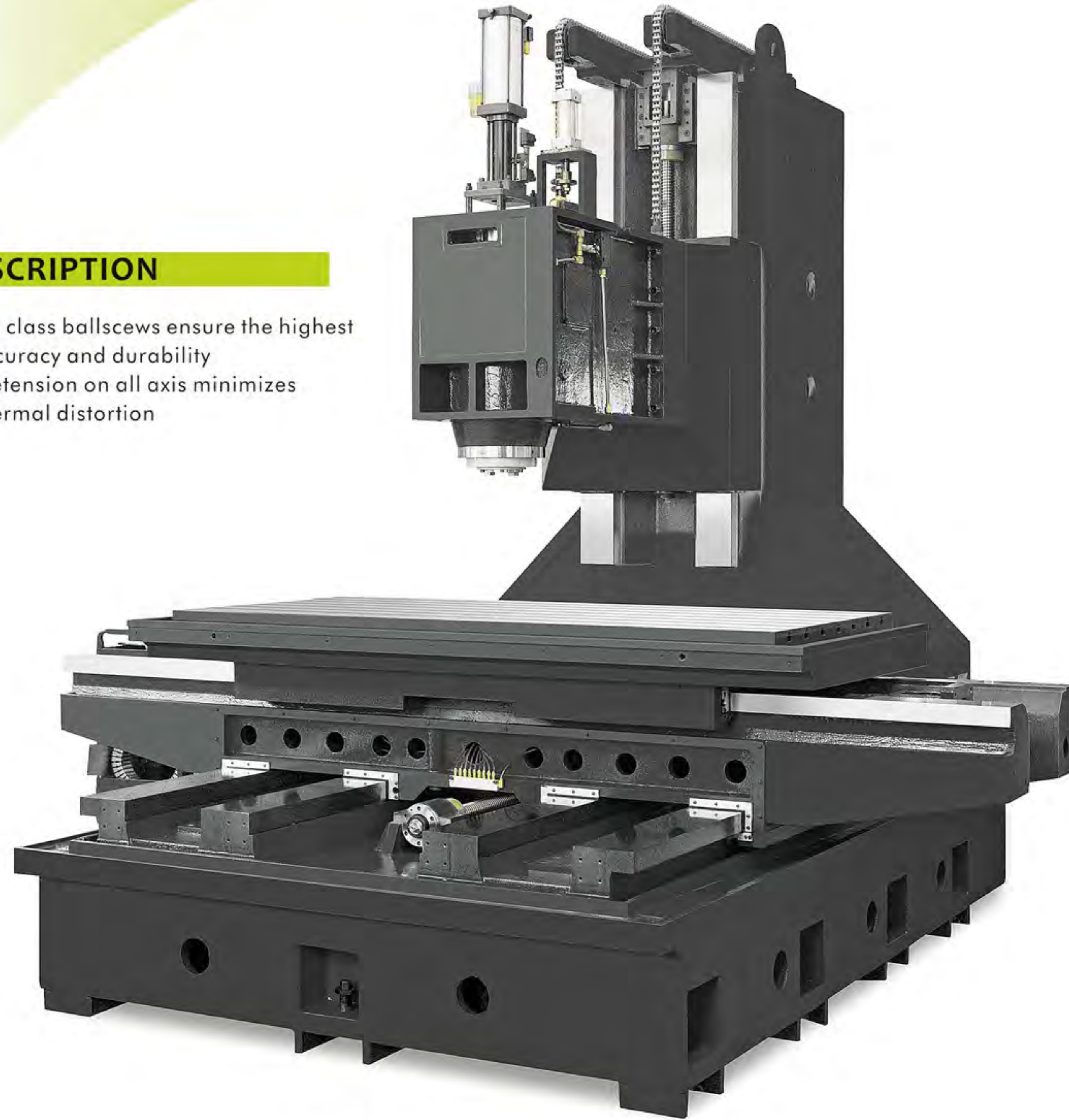
TABLE	CV13L	CV15L
Table size	1400×600mm	1700×600mm
T slot(width×number×distance)	18×5×100mm	18×5×100mm
Max. load	1000kg	1200kg
TRAVEL		
X/Y/Z Travel	1300/600/600mm	1500/760/670mm
Spindle nose to table	130-730mm	100-770mm
Spindle center to column	637mm	797mm
SPINDLE		
Spindle type	BT40	BT40
Spindle servo motor (SIEMENS)	11/15KW	11/15KW
Spindle speed	8000RPM	8000RPM
FEED		
Rapid feed	24m/min	24m/min
Cutting speed	1-12000mm/min	1-12000mm/min
ACCURACY		
Positioning accuracy	±0.004/300	±0.004/300
Repeatability accuracy	±0.004	±0.004
DIMENSION&WEIGHT		
Dimension	3000×2220×2560mm	4100×2600×2560mm
Weight	7200kg	8500kg

Machining Center CV11•CV15•CV18

■ Boxway and BT50 spindle for heavy duty cutting

DESCRIPTION

- C3 class ballscews ensure the highest accuracy and durability
- Pretension on all axis minimizes thermal distortion



STANDARD ACCESSORIES

- Full enclosed splash guard
- Air-condition for electrical cabinet
- Rigid tapping
- Ethernet and CF Card interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Hand wheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Operation manuals

OPTIONAL ACCESSORIES

- 24 stations Arm tool changer
- 20 stations umbrella tool changer
- Workpiece Measurement
- Screw type chip conveyor
- Tool Measurement
- 4th axis
- Coolant Through Spindle

SPECIFICATION

TABLE	CV11	CV15	CV18
Table size	1200×550mm	1700×800mm	1900×900mm
T slot(width×number×distance)	18×5×110mm	22×5×135mm	18×7×120mm
Max. load	800kg	2000kg	3000kg
TRAVEL			
X/Y/Z Travel	1150/550/520mm	1500/800/700mm	1800/900/700mm
Spindle nose to table	150-670mm	170-870mm	180-880mm
Spindle center to column	600mm	800mm	1025mm
SPINDLE			
Spindle tape	BT40(BT50 opt.)	BT50	BT50
Spindle servo motor (SIEMENS)	11/15KW	17/25KW	17/25KW
Spindle speed	8000RPM	7000RPM	6000RPM
FEED			
Rapid feed	20m/min	15m/min	15m/min
Cutting speed	1-8000mm/min	1-8000mm/min	1-7000mm/min
ACCURACY			
Positioning accuracy	±0.005/300	±0.005/300	±0.005/300
Repeatability accuracy	±0.005	±0.005	±0.005
DIMENSION&WEIGHT			
Dimension	3200×2200×2900mm	4270×3490×3080mm	4500×3450×3200mm
Weight	7000kg	13500kg	17500kg

Double Column Center

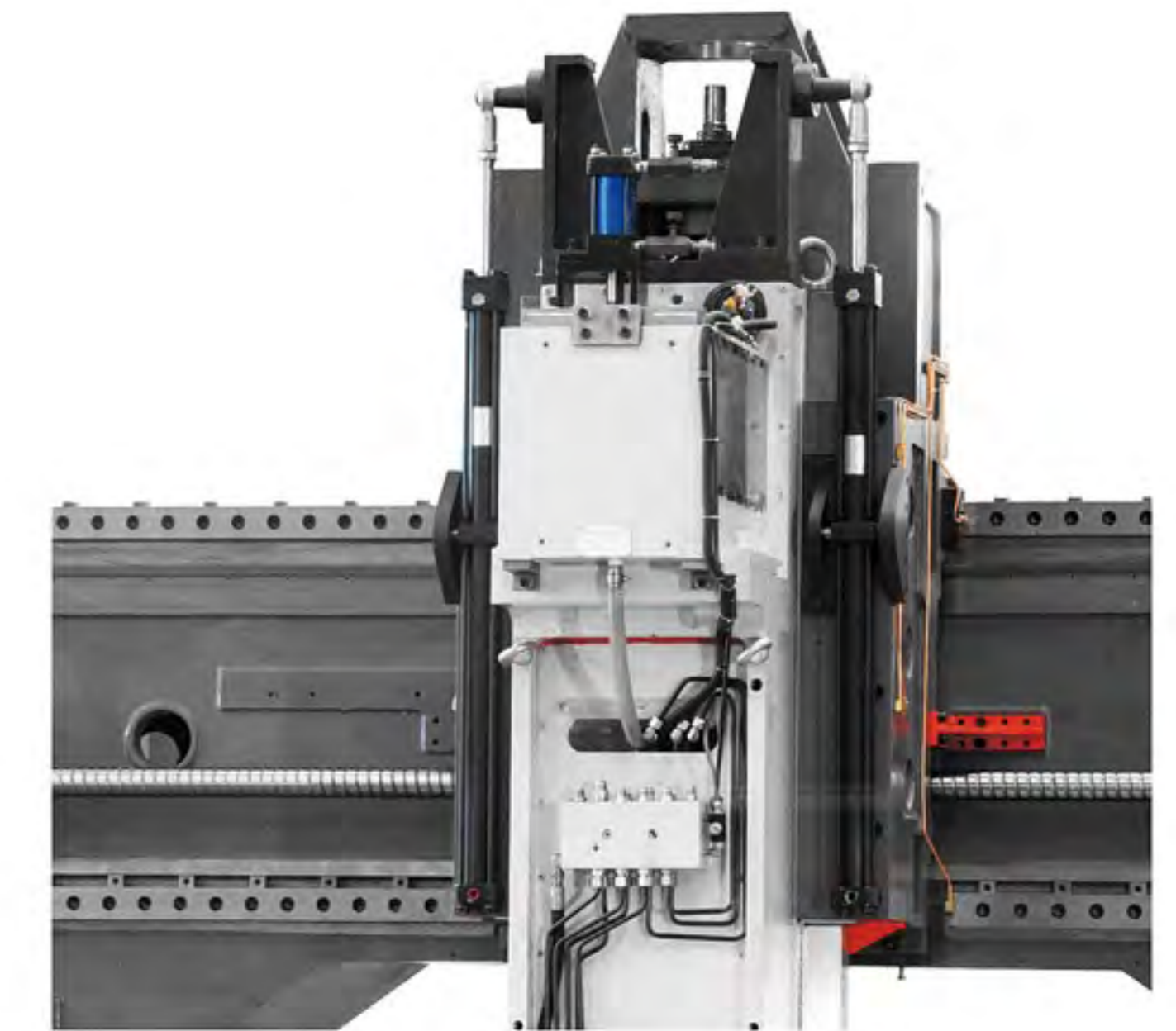
CV2015 • CV3317

STANDARD ACCESSORIES

- Full enclosed splash guard
- Air-condition for electrical cabinet
- Rigid tapping
- Ethernet and CF Card interface
- Automatic lubrication system
- Coolant system
- Spindle oil cooler
- LED working lamp
- End of program light
- Electronic Hand wheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Operation manuals

OPTIONAL ACCESSORIES

- 24 stations Arm tool changer
- Chip conveyor (double screw type plus one chain type)
- Spindle speed 8000rpm



Hydraulic balancing system



Gear box on three axis(V3317 only)



Tool changer

Chip conveyor

Double Column Center

CV2015 • CV3317

DESCRIPTION

- Extra wide column to increase the connection surface with the crossbeam which can avoid vibration during cutting
- All axis are transmitted by high quality precision gear box to ensure high torque and rigidity during movement (CV3317 only)
- Roller type linear guideway, which offers super high rigidity and loading capacity
- Hydraulic balancing system on Z axis



SPECIFICATION

TABLE	CV2015	CV3317
Table size	1300×2200mm	1500×3300mm
T slot(width×num×distance)	8×22×150mm	8×22×170mm
Max.load	6000kg	10000kg
TRAVEL		
X/Y/Z Travel	2000/1500/760mm	3300/1600/800mm
Spindle nose to table	200-960mm	240~1040mm
Distance between column	1525mm	1700mm
SPINDLE		
Spindle type and diameter	BT50/Ø190mm	BT50/Ø190mm
Spindle speed	6000RPM	6000RPM
Spindle motor power	18.5/22KW	18.5/22KW
Spindle transmission	Belt	Direct drive

TRANSMISSION WAY OF THREE AXIS	CV2015	CV3317
Transmission way of X axis	Direct drive	Gear drive(1:4)
Transmission way of Y axis	Direct drive	Gear drive(1:3)
Transmission way of Z axis	Direct drive	Gear drive(1:3)
FEED		
Rapid feed X/Y/Z	20/20/15m/min	15/20/15m/min
Cutting speed	1-10000mm/min	1-10000mm/min
ACCURACY		
Positioning accuracy	±0.005/300	±0.005/300
Repeatability accuracy	±0.005	±0.005
DIMENSION & WEIGHT		
Dimension	6500×4000×4500MM	8700×4700×4550mm
Weight	20000kg	26000kg



CNC Tilting Rotary Table from Taiwan



Redefine "RIGIDITY"

- Larger Through Hole → Bigger Bearing
- Bigger Bearing → Higher Rigidity



Devised by German

- Specialized for Rotary Table, the Radial & Axial bearing can fully support heavy-duty cutting in both radial and axial directions.

Truly great value for money

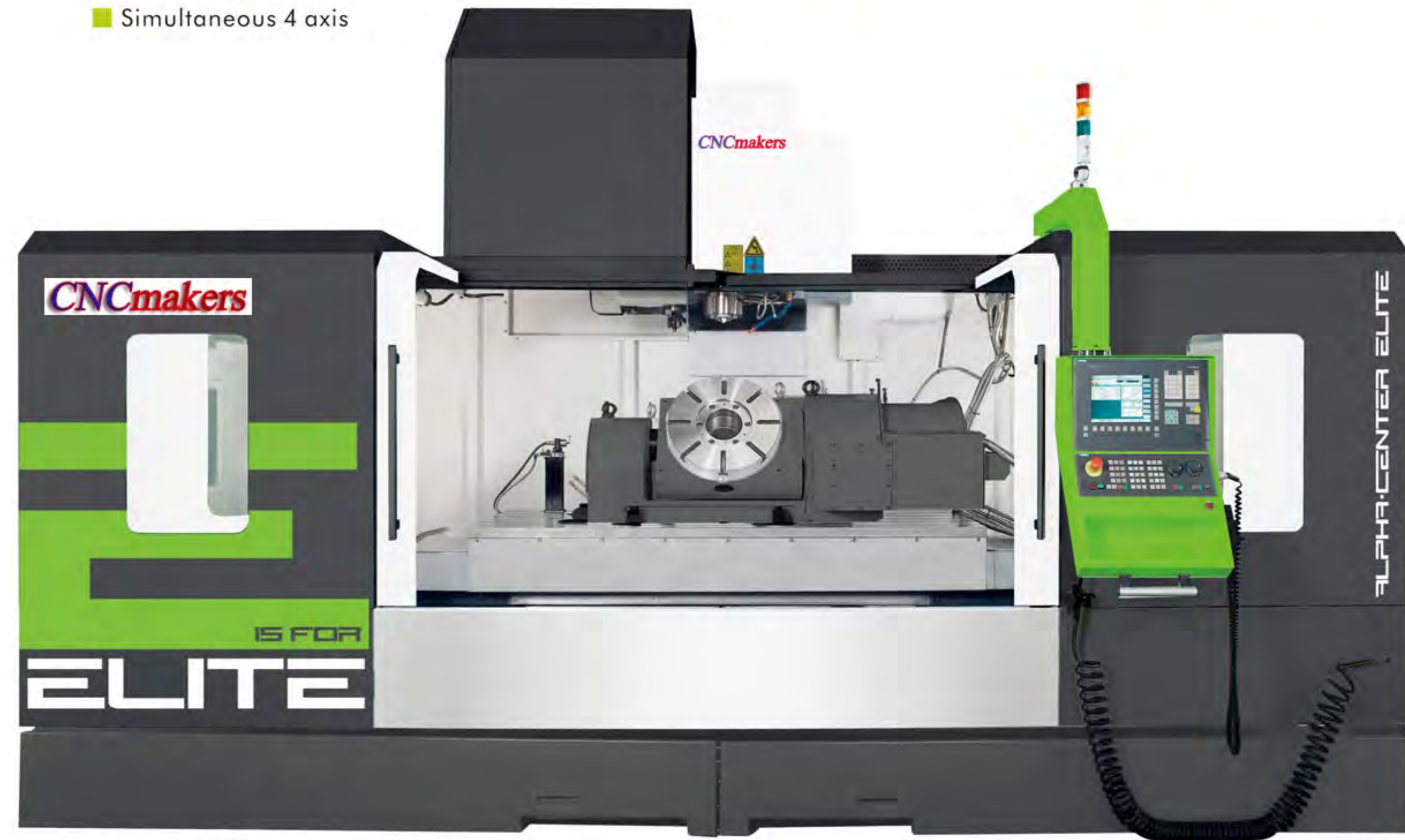


Made in Japan

- Unique high tensile brass
- Wear life is 2.6 times longer than aluminum bronze PBC3.

5 AXIS CENTER CU125•CU210•CU255•CU320

- Positioning 5 axis
- Simultaneous 4 axis



SPECIFICATION

TABLE	CU125	CU210	CU255	CU320
Table diameter	Ø125mm	Ø210mm	Ø255mm	Ø320mm
Diameter of table central hole	Ø35mm	Ø67mm	Ø110mm	Ø150mm
Inner diameter of mandrel sleeve	/	Ø40H7	Ø80H7	Ø120H7
Diameter of center through hole	Ø25mm	Ø40mm	Ø80mm	Ø120mm
T slot width	12H7	12H7	12H7	14H7
Guide block width	14H7	18H7	18H7	18H7
Max.load 0° Horizontal	50kg	75kg	100kg	200kg
Max.load 0°-90° Tilt	35kg	50kg	75kg	150kg
Brake	Pneumatic brake	Pneumatic brake	Hydraulic brake	Hydraulic brake
TRAVEL				
X/Y/Z Travel	600/400/450mm	850/550/600mm	1100/550/600mm	1300/600/600mm
Spindle nose to rotary table(0°)Horizontal	0-335mm	30-630mm	0-590mm	0-575mm
Spindle center to column	434mm	585mm	585mm	637mm
SPINDLE				
Spindle type	BT40	BT40	BT40	BT40
Spindle servo motor(SIEMENS)	7/10KW	9/13KW	9/13KW	9/13KW
Spindle speed	10000RPM	10000RPM	10000RPM	10000RPM
FEED				
Rapid feed	24m/min	24m/min	24m/min	24m/min
Cutting speed	1-12000mm/min	1-12000mm/min	1-12000mm/min	1-12000mm/min
ACCURACY				
Positioning accuracy	±0.003/300	±0.003/300	±0.003/300	±0.003/300
Repeatability accuracy	±0.003	±0.003	±0.003	±0.003
DIMENSION & WEIGHT				
Dimension	1800×2530×2700mm	2700×2250×2800mm	2700×2250×2800mm	3000×2310×2900mm
Weight	3800kg	6300kg	7100kg	7800kg

CNC CONTROLLER



SIEMENS



HEIDENHAIN



MITSUBISHI



FANUC

OPTIONAL ACCESSORIES



Umbrella tool changer



Arm tool changer



CNC Rotary table



Workpiece measurement



Tool measurement



Coolant Through Spindle

SOURCE OF MAIN COMPONENTS



ROYAL



HIWIN



Rexroth HIWIN



NSK FAG



KTR



SIEMENS Schneider Electric

PRECISION MODULAR VISE

