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PRIMINER

RELIABILITY & PERFORMANCE



VERTICAL MACHINING CENTER

PRIMINER



PRIMINER GERMANY



PRIMINER RUSSIA



COMPANY PROFILE

PRIMINER MACHINE TOOLS was founded by a global team which had been working in the field of CNC machine tools manufacturing for more than 20 years.

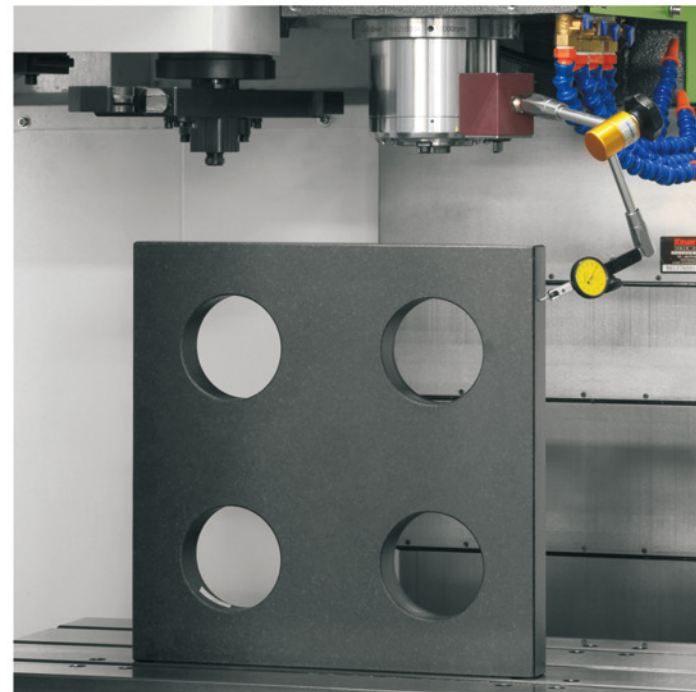
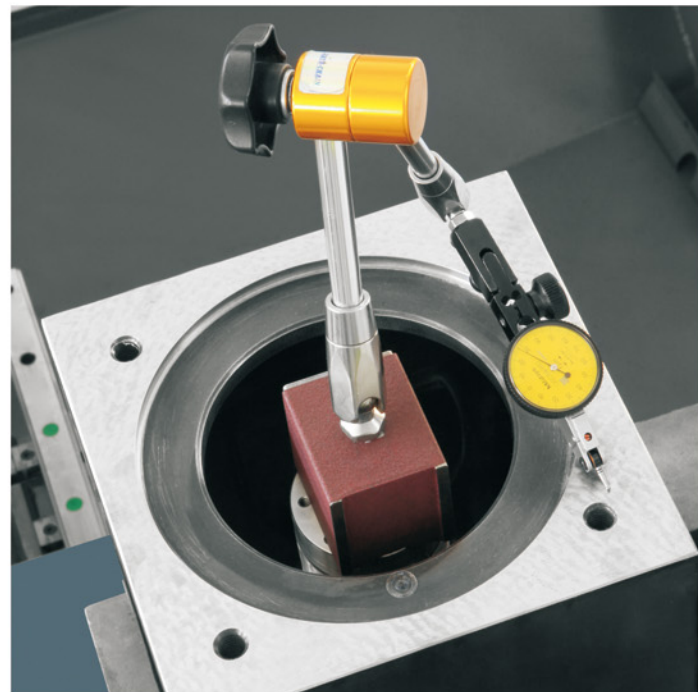
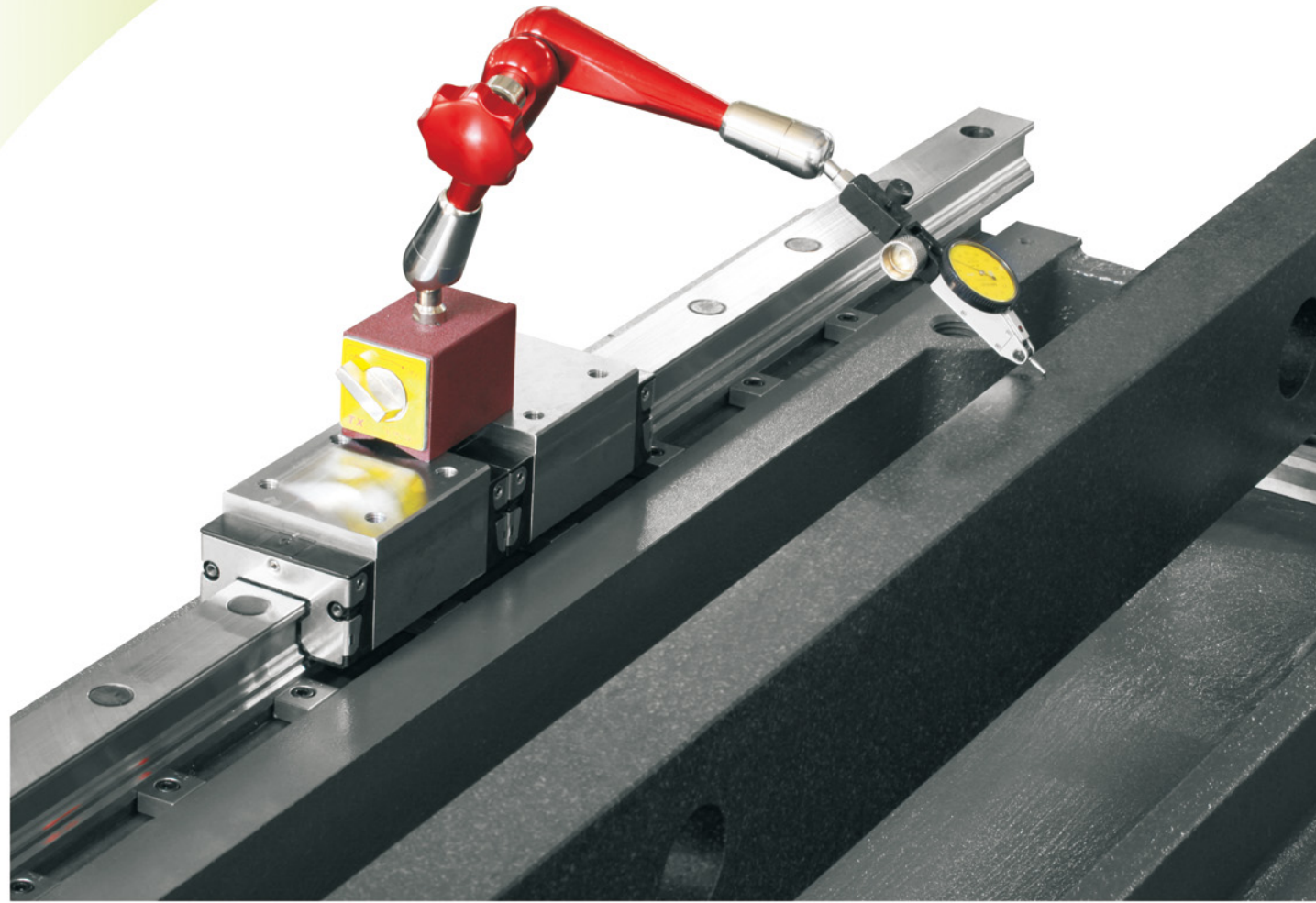
We have warehouse and office in Germany, and we have manufacturing plant in China, Russia, Indonesia and Iran.

with the advantage of the global team, our machines has been sold to more than 20 countries and gained customer's satisfaction.

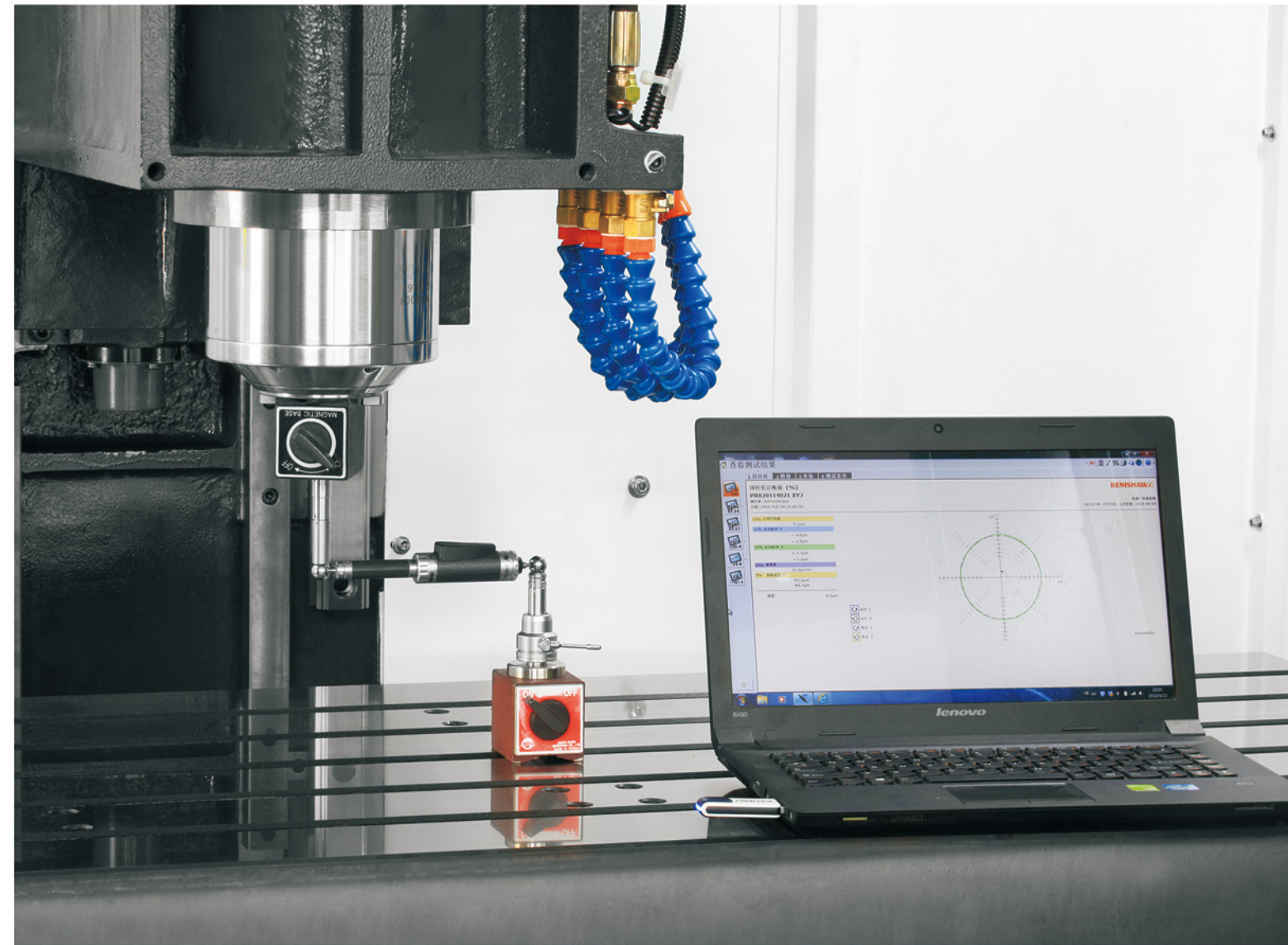
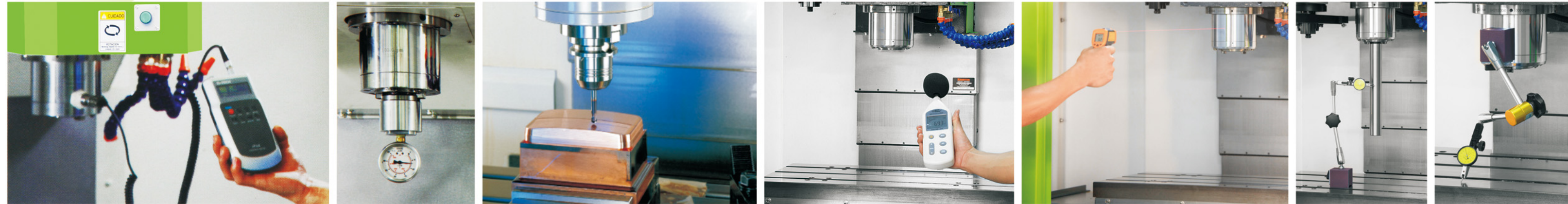
RELIABILITY AND PERFORMANCE.

—— Quality machine made by PRIMINER

Strict quality control of every details

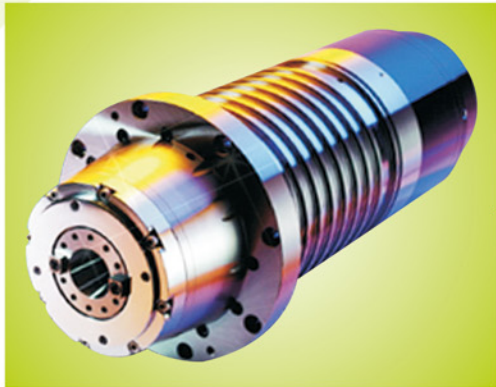


Strict quality control of every details

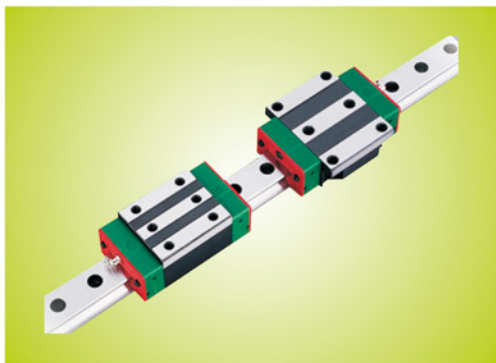


Optimun structural design

■ Featuring excellent capability, rigidity and stability



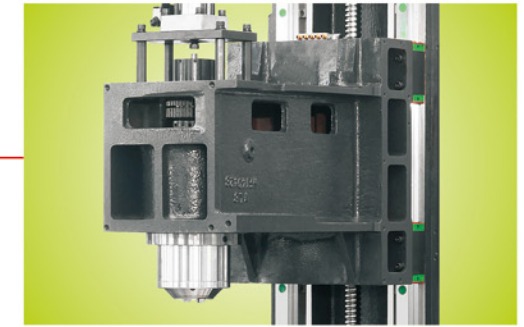
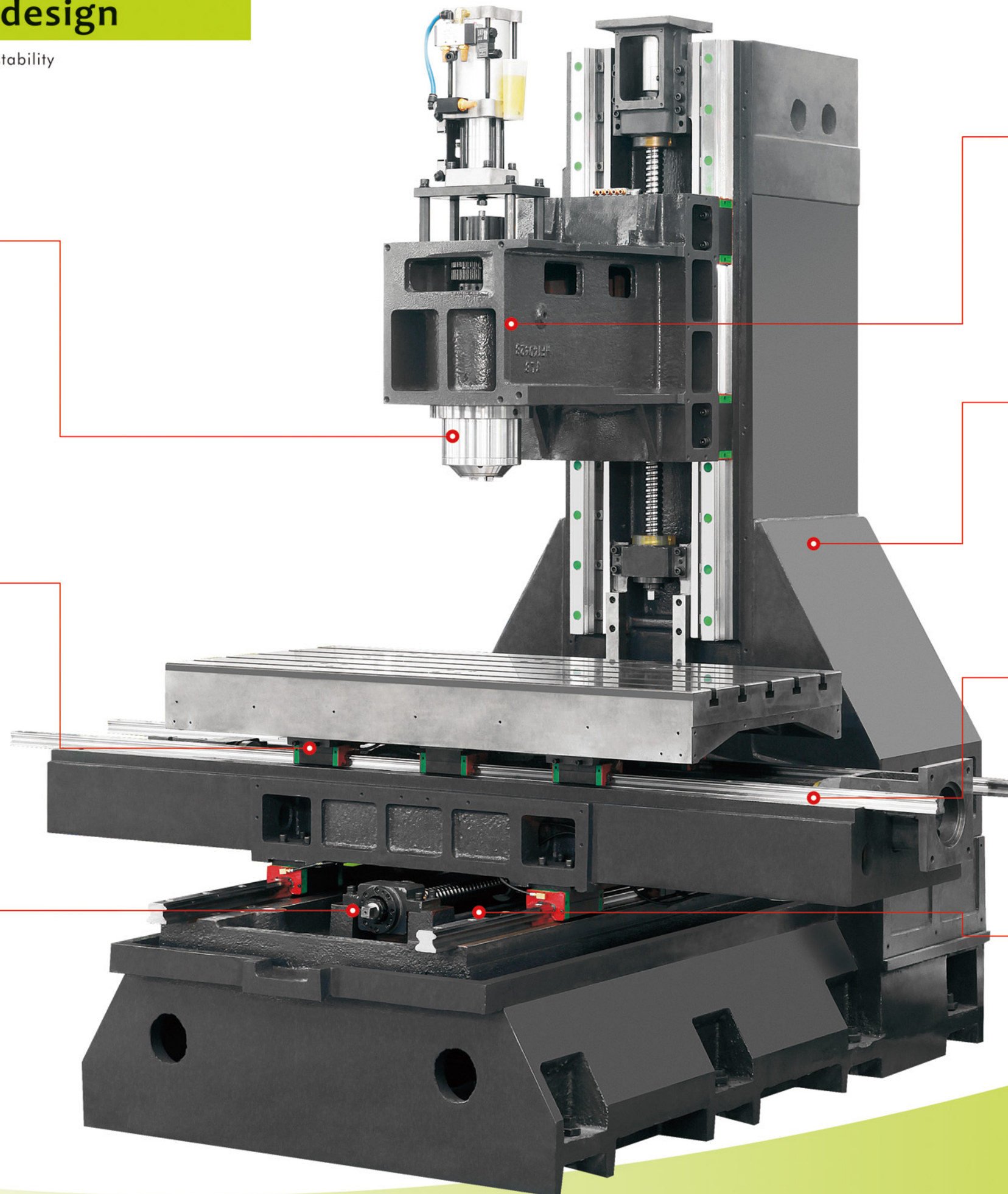
Well balanced spindle



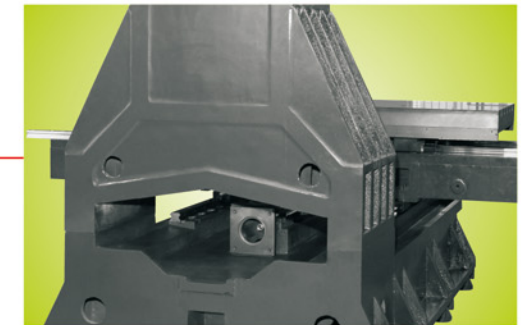
Heavy duty and precise linear guideways



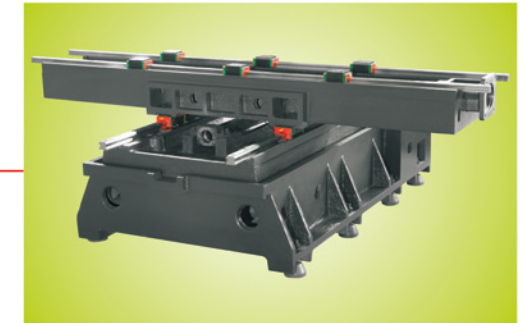
Pre-loaded ballscrew with double nut



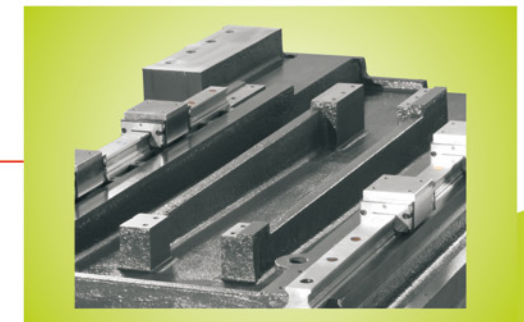
High rigidity of headstock



Extra wide column



X axis with 6 blocks
(for X travel 1100mm and above)



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

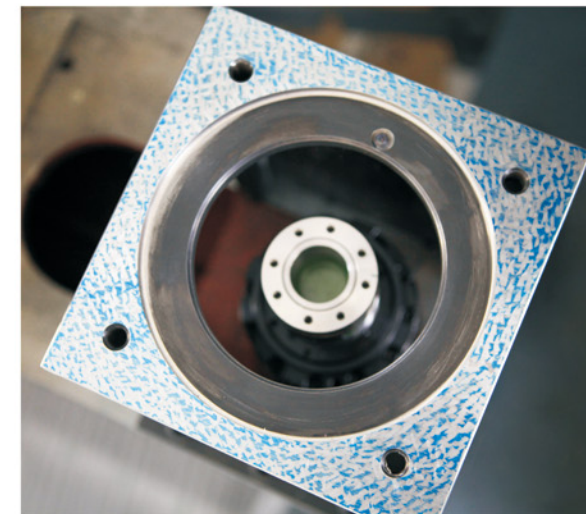
Control from the very beginning

■ Casting components are aged for up to 3 to 6 months to ensure maximum structural stability



Hand Scraping

■ High precision machine tools come from exquisite hand scraping skills. Our well trained hand scraping team makes sure that all contact surfaces are precisely hand scrapped and carefully inspected to ensure the best quality of our machines



SIEMENS SINUMERIK 828D

The new CNC-controller for the compact class.

The performance of the SINUMERIK 828D is in a class of its own. Even in the compact frame size, the familiar SINUMERIK state-of-the-art technology ensures the highest possible levels of precision and productivity.

Communications:

- Front interfaces (IP65)
 - RJ45 Ethernet
 - USB 2.0
 - Compact Flash (CF) card

Durable and rugged:

- Panel-based CNC with panel front manufactured out of die-cast magnesium

Everything at a glance:

- 10.4" TFT color display

16 softkeys:

- Using the 8 horizontal and 8 vertical softkeys, you can quickly access all of the operator screen forms with just a few keystrokes

Maintenance-free:

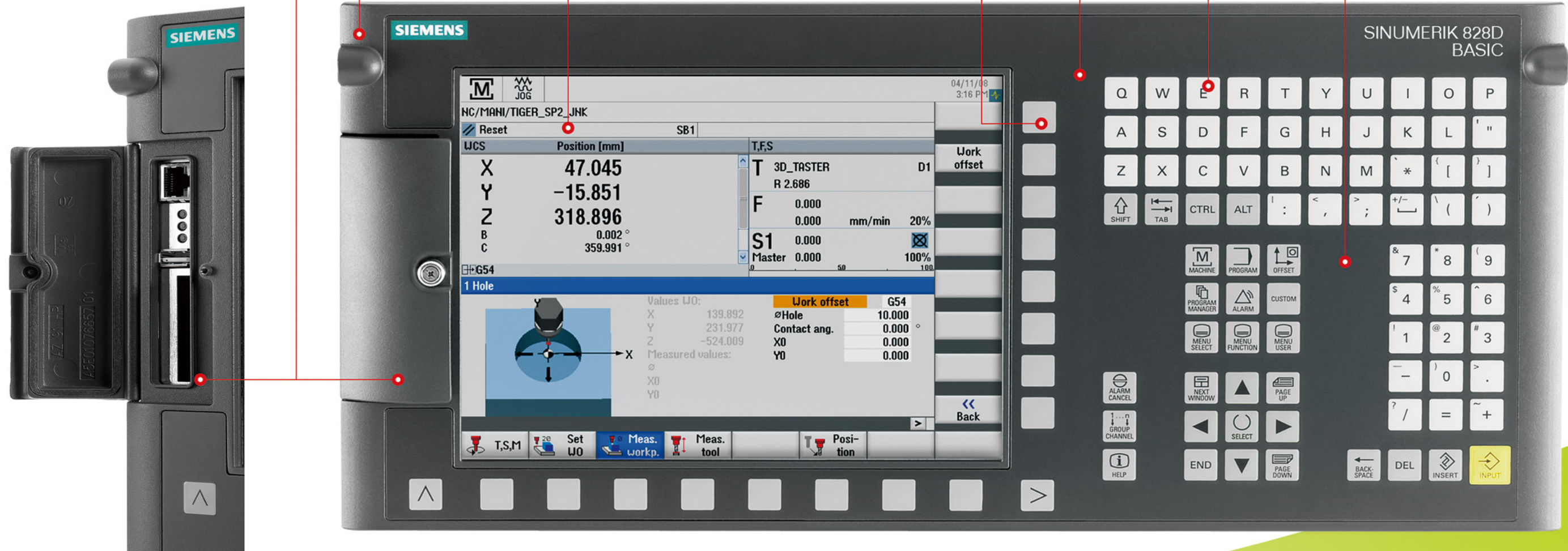
- No battery (continuous data buffering using NV-RAM technology!)
 - No fan
 - No hard disk

User-friendly:

- Full QWERTY keyboard
 - Hard keys with protective foil
 - IP65 degree of protection

Clever:

- Proximity sensor/distance sensor for smart display control



5 AXIS CENTER U170•U210•U255•U320

- Positioning 5 axis
- Simultaneous 4 axis



SPECIFICATION

TABLE	U170	U210	U255	U320
Table diameter	Ø170mm	Ø210mm	Ø255mm	Ø320mm
Diameter of table central hole	Ø40mm	Ø67mm	Ø110mm	Ø150mm
Inner diameter of mandrel sleeve	Ø40H7	Ø40H7	Ø80H7	Ø120H7
Diameter of center through hole	Ø40mm	Ø40mm	Ø80mm	Ø120mm
T slot width	12H7	12H7	12H7	14H7
Axis rotation	± 100	± 100	± 110	± 110
Max.load 0° Horizontal	75kg	75kg	100kg	200kg
Max.load 0°-90° Tilt	50kg	50kg	75kg	150kg
Brake	Pneumatic brake	Pneumatic brake	Hydraulic brake	Hydraulic brake
TRAVEL				
X/Y/Z Travel	1020/520/550mm	900/550/600mm	1100/550/600mm	1100/650/600mm
Spindle nose to rotary table(0°)Horizontal	0-425mm	30-630mm	0-590mm	0-600mm
Spindle center to column distance	566mm	585mm	585mm	697mm
SPINDLE				
Spindle taper	BT40	BT40	BT40	BT40
Spindle servo motor(SIEMENS)	9/22kW	9/22kW	9/22kW	9/22kW
Spindle speed	10000RPM	10000RPM	10000RPM	10000RPM
FEED				
Rapid feed	30m/min	30m/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
Positioning repeatability	0.003	0.003	0.003	0.003
DIMENSIONS & WEIGHT				
Dimensions	2570×2200×2850mm	2700×2310×3100mm	2700×2310×3100mm	2800×3150×3200mm
Weight	5200kg	6200kg	6500kg	7500kg



pl LEHMANN®

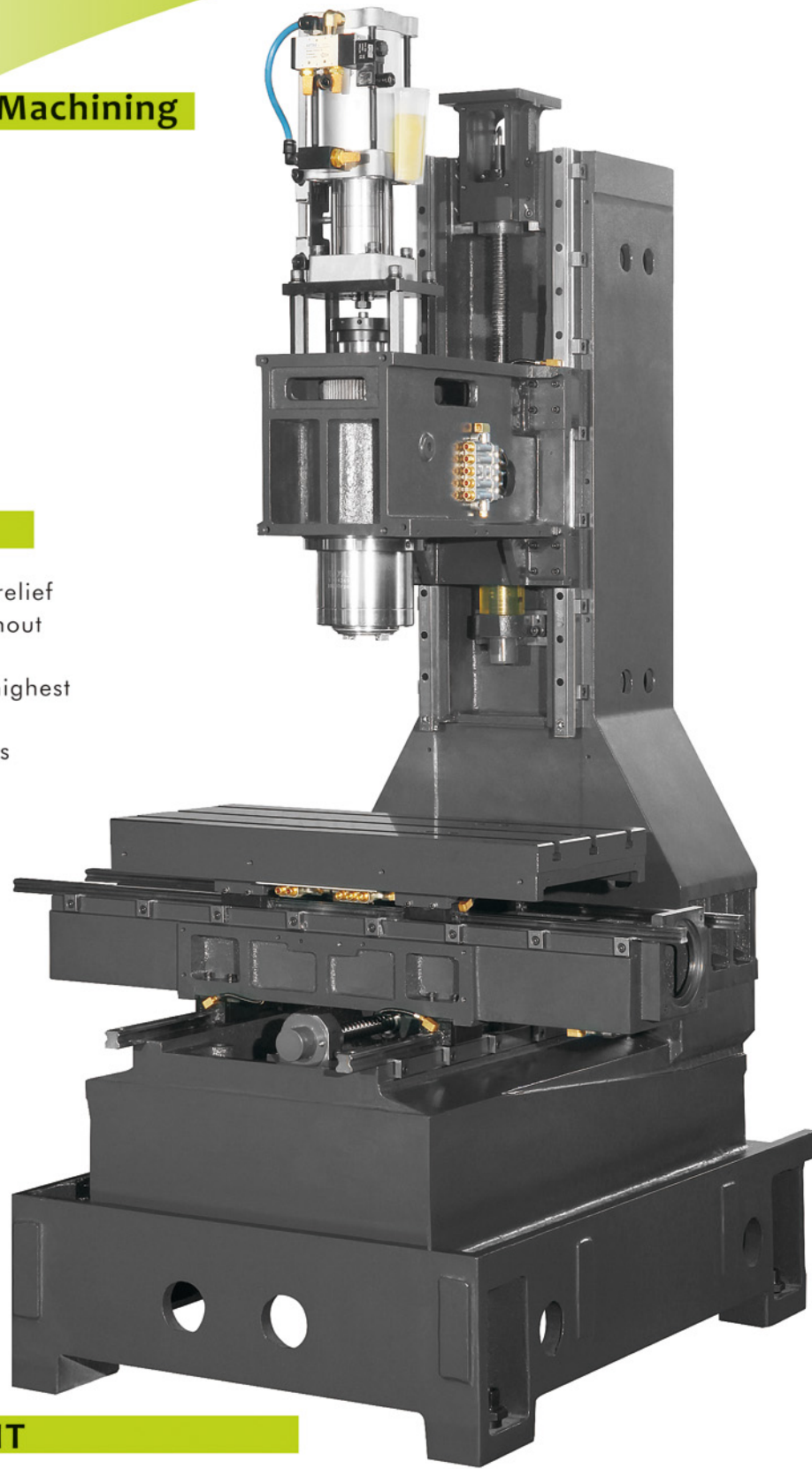
Also available with Lehmann 5AX Rotary Table

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
- Pre tension on all axes minimizes thermal distortion



STANDARD EQUIPMENT

- SIEMENS 828D Controller
- Fully enclosed splash guard
- Spindle 10000rpm, BT40
- 12 positions umbrella tool changer
- Heat exchanger for electrical cabinet
- Rigid tapping
- Ethernet, CF card and USB interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Handwheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Chip flushing system
- Operation Manual

OPTIONS

- Spindle cooling system
- Workpiece Probe
- Tool Probe

MINI CENTER

- Best choice to start CNC machining



SPECIFICATION

TABLE	MINI CENTER
Table size	650×300mm
T slot(width×number×distance)	14×3×100mm
Max. load	200kg
TRAVEL	
X/Y/Z Travel	500/300/400mm
Spindle nose to table distance	120-520mm
Spindle center to column distance	340mm
SPINDLE	
Spindle taper	BT40
Spindle servo motor	5.5/7.5kW
Spindle speed	10000RPM
FEED	
Rapid feed	X/Y:20m/min Z: 12m/min
Cutting speed	1-8000mm/min
ACCURACY	
Positioning accuracy	±0.01/300
Positioning repeatability	0.005
DIMENSIONS & WEIGHT	
Dimensions	1660×2000×2500mm
Weight	1800kg



DESCRIPTION

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



STANDARD EQUIPMENT

- Fully enclosed splash guard
- Direct drive spindle 12000 rpm,BT30
- 16 pockets servo tool changer
- Heat Exchanger for electrical cabinet
- Rigid tapping
- Ethernet , CF card and USB interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Spindle cooling system

OPTIONS

- Spindle speed 20000rpm
- 21 pockets servo tool changer
- 4th axis
- Workpiece Probe

- Electronic Handwheel(MPG)
- Tool box
- Leveling bolts and blocks
- Air gun
- Chip flushing system
- Operation Manual

- Tool Probe

Delta Center T6

- Good performance, high speed



SPECIFICATION

TABLE	T6
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 distance	150-450mm
SPINDLE	
Spindle taper	BT30
Spindle servo motor	4.8/19kW(SIEMENS);3.7/5.5kW(FANUC)
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
Positioning repeatability	0.003
DIMENSIONS & WEIGHT	
Dimensions	1800×2530×2700mm
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
- Pre tension on all axes minimizes thermal distortion



STANDARD EQUIPMENT

- Fully enclosed splash guard
- Spindle 10000rpm, BT40
- 20 pockets arm tool changer
- Heat exchanger for electrical cabinet
- Rigid tapping
- Ethernet, CF card and USB interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Handwheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Chip flushing system
- Operation Manual

OPTIONS

- Spindle speed 12000rpm direct drive
- Spindle cooling system
- Coolant Through Spindle
- Workpiece Probe
- Tool Probe

Delta Center V6L

- Good performance, high speed



SPECIFICATION

TABLE	V6L
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 distance	80-530mm
Spindle center to column distance	434mm
SPINDLE	
Spindle taper	BT40
Spindle servo motor	7/15kW(SIEMENS);5.5/7.5kW(FANUC)
Spindle speed	10000RPM
FEED	
Rapid feed	48m/min
Cutting speed	1-12000mm/min
ACCURACY	
Positioning accuracy	±0.003/300
Positioning repeatability	0.003
DIMENSIONS & WEIGHT	
Dimensions	1800×2530×2700mm
Weight	3200kg



DESCRIPTION

- Cast iron is tempered for stress relief to ensure structural stability without deformation
- C3 class ballscews ensure the highest accuracy and durability
- Pre tension on all axes minimizes thermal distortion

STANDARD EQUIPMENT

- Fully enclosed splash guard
- Spindle 10000rpm, BT40
- 24 pockets arm tool changer
- Air-condition for electrical cabinet
- Rigid tapping
- Ethernet, CF card and USB interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Handwheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Chip flushing system
- Operation Manual

OPTIONS

- Spindle speed 12000rpm direct drive
- Spindle cooling system
- Coolant Through Spindle
- Chain type chip conveyor
- Screw type chip conveyor
- 4th axis
- Workpiece Probe
- Tool Probe

Delta Center V10L

- Good performance, high speed



SPECIFICATION

TABLE	V10L
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 distance	120-670mm
Spindle center to column distance	566mm
SPINDLE	
Spindle taper	BT40
Spindle servo motor	9/22kW(SIEMENS);7.5/11kW(FANUC)
Spindle speed	10000RPM
FEED	
Rapid feed	30m/min(opt.48m/min)
Cutting speed	1-12000mm/min
ACCURACY	
Positioning accuracy	±0.003/300
Positioning repeatability	0.003
DIMENSIONS & WEIGHT	
Dimensions	2570×2200×2850mm
Weight	5000kg

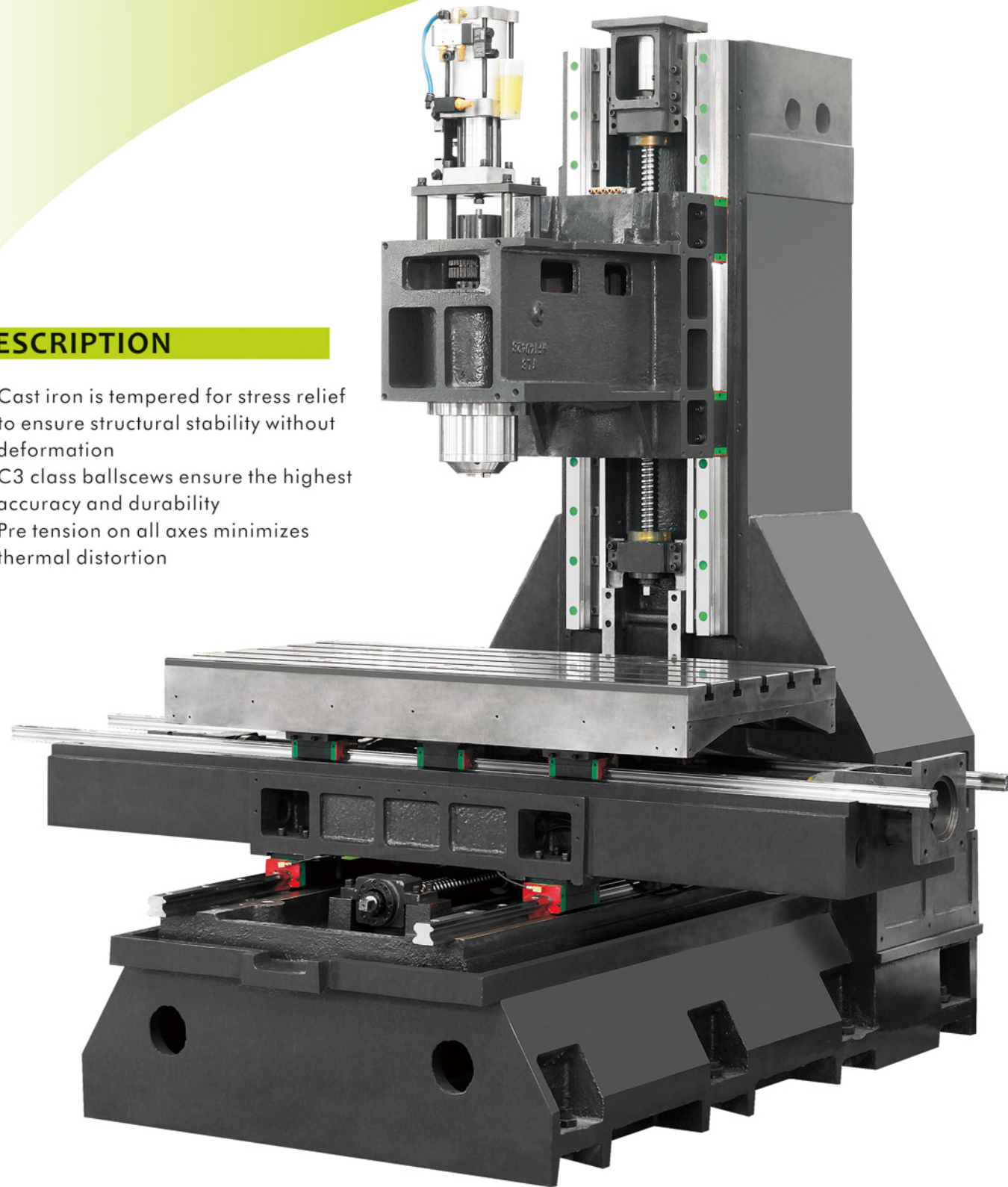
Alpha Center V9L • V11L

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
- Pre tension on all axes minimizes thermal distortion



STANDARD EQUIPMENT

- Fully enclosed splash guard
- Spindle 10000rpm, BT40
- 24 pockets arm tool changer
- Air-condition for electrical cabinet
- Rigid tapping
- Ethernet, CF card and USB interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Handwheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Chip flushing system
- Operation Manual

OPTIONS

- Spindle speed 12000rpm direct drive
- Spindle cooling system
- Coolant Through Spindle
- Chain type chip conveyor
- Screw type chip conveyor
- 4th axis
- Workpiece Probe
- Tool Probe

SPECIFICATION

TABLE	V9L	V11L
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 distance		80-680mm
Spindle center to column distance		585mm
SPINDLE		
Spindle taper		BT40
Spindle servo motor	9/22kW(SIEMENS);11/15kW(FANUC)	
Spindle speed	10000RPM	
FEED		
Rapid feed	36m/min	
Cutting speed	1-12000mm/min	
ACCURACY		
Positioning accuracy	±0.003/300	
Positioning repeatability	0.003	
DIMENSIONS & WEIGHT		
Dimensions	2700×2310×2900mm	
Weight	6000kg	6200kg

DESCRIPTION

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



STANDARD EQUIPMENT

- Fully enclosed splash guard
- Spindle 10000rpm, BT40
- 24 pockets arm tool changer
- Air-condition for electrical cabinet
- Rigid tapping
- Ethernet, CF card and USB interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Handwheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Cutting air blast system
- Operation Manual

OPTIONS

- Spindle speed 12000rpm direct drive
- Spindle cooling system
- Coolant Through Spindle
- Chain type chip conveyor
- 4th axis
- Workpiece Probe
- Tool Probe

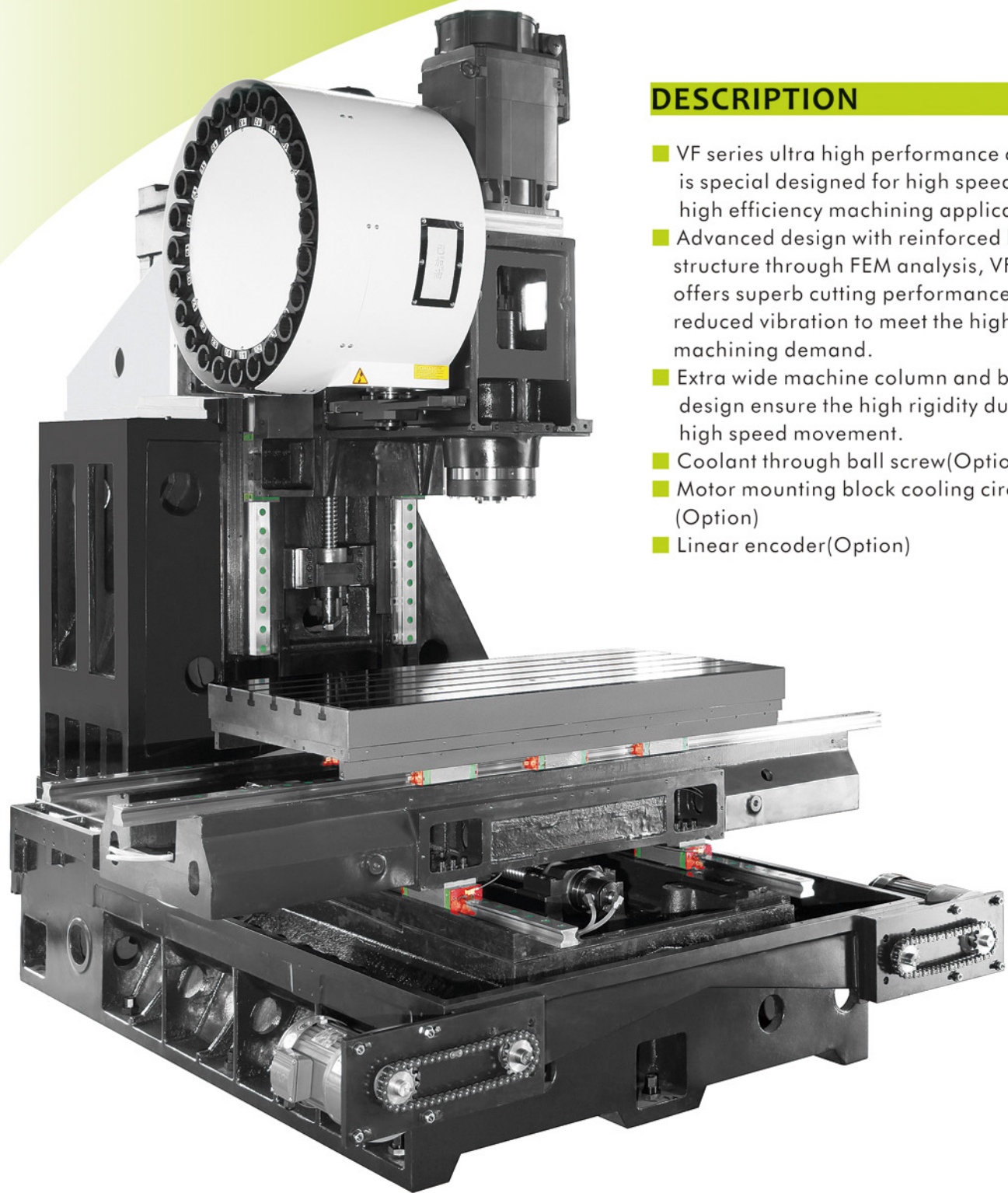
Alpha Center V15L

- High performance, high rigidity



SPECIFICATION

TABLE	V15L
Table size	1700×600mm
T slot(width×number×distance)	18×5×100mm
Max. load	1200kg
TRAVEL	
X/Y/Z Travel	1500/760/670mm
Spindle nose to table distance	80-750mm
Spindle center to column distance	797mm
SPINDLE	
Spindle taper	BT40
Spindle servo motor	12/27kW(SIEMENS);11/15kW(FANUC)
Spindle speed	10000RPM
FEED	
Rapid feed	24m/min
Cutting speed	1-12000mm/min
ACCURACY	
Positioning accuracy	±0.004/300
Positioning repeatability	0.004
DIMENSIONS & WEIGHT	
Dimensions	3700×2640×3100mm
Weight	8500kg



DESCRIPTION

- VF series ultra high performance center is special designed for high speed and high efficiency machining applications.
- Advanced design with reinforced body structure through FEM analysis, VF series offers superb cutting performance and reduced vibration to meet the highest machining demand.
- Extra wide machine column and base design ensure the high rigidity during high speed movement.
- Coolant through ball screw (Option)
- Motor mounting block cooling circuit (Option)
- Linear encoder (Option)

STANDARD EQUIPMENT

- Fully enclosed splash guard
- Direct drive spindle 12000rpm, BBT40
- 24 pockets arm tool changer
- Two Screw type chip conveyor
- Spindle cooling system
- Air-condition for electrical cabinet
- Rigid tapping
- Ethernet ,CF Card and USB interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Handwheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Cutting air blast system
- Operation Manual

OPTIONS

- Direct drive spindle 10000rpm, BBT50
- Direct drive spindle 15000rpm, BBT40
- Motor spindle 20000rpm, HSK A63
- Coolant through spindle
- Coolant through ball screw
- Motor mounting block cooling circuit
- Chain type chip conveyor
- Linear encoder
- 4th axis
- Workpiece Probe
- Tool Probe

UHP Center VF650 • VF650 PLUS

- Ultra High Performance

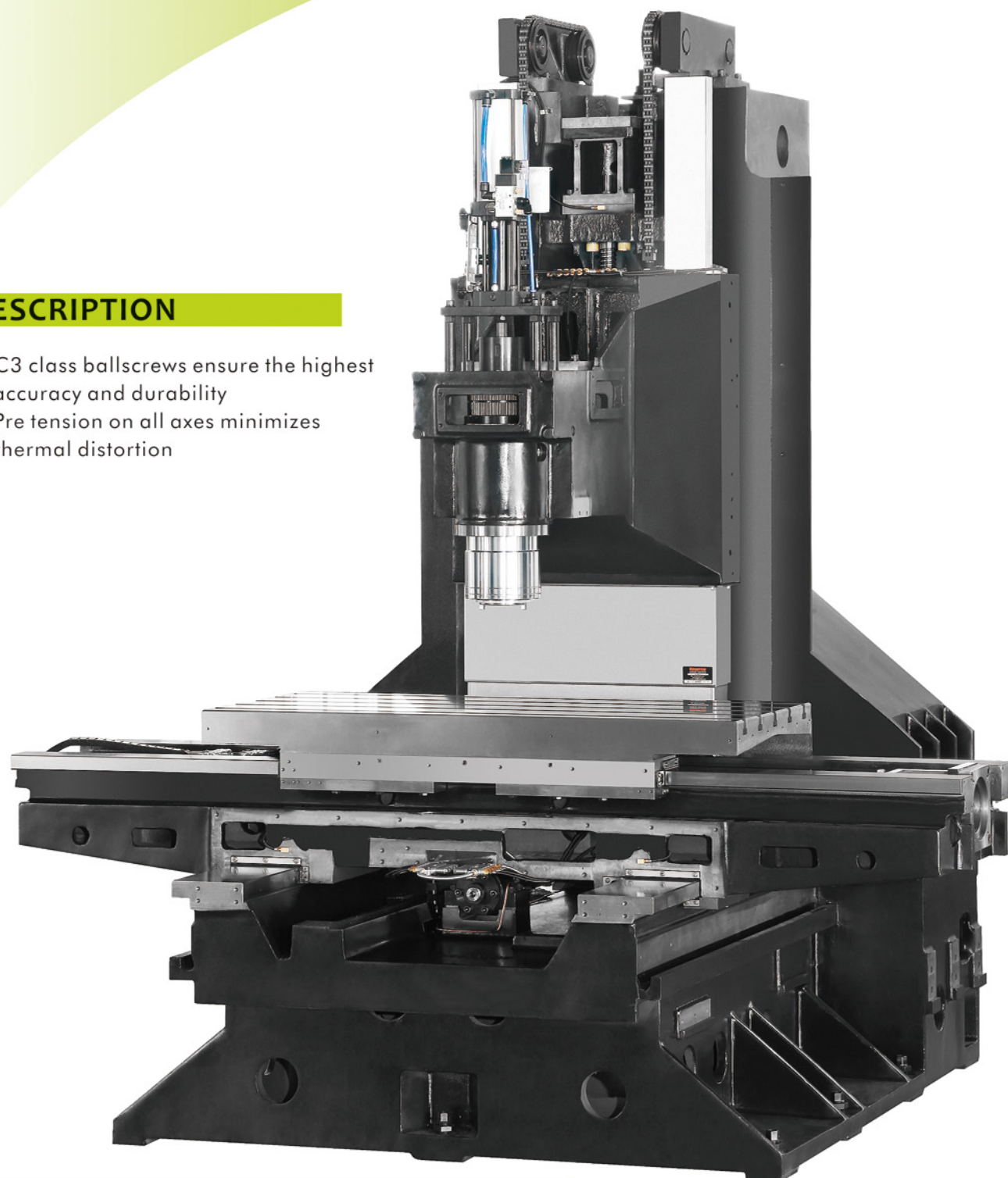


SPECIFICATION

TABLE	VF650	VF650 PLUS
Table size	1300×600mm	1500×650mm
T slot(width×number×distance)	18×5×100mm	18×5×100mm
Max.load	800kg	1000kg
TRAVEL		
X/Y/Z Travel	1100/650/600mm	1300/650/600mm
Spindle nose to table distance		150-750mm
Spindle center to column distance		697mm
SPINDLE		
Spindle taper		BBT40
Spindle servo motor		15/38kW (SIEMENS)
Spindle speed		12000RPM
FEED		
Rapid feed		36m/min
Cutting speed		1-12000mm/min
ACCURACY		
Positioning accuracy		±0.003/300
Positioning repeatability		0.003
DIMENSIONS & WEIGHT		
Dimensions	2800×3100×3150mm	3150×3100×3150mm
Weight	7500kg	7800kg

DESCRIPTION

- C3 class ballscrews ensure the highest accuracy and durability
- Pre tension on all axes minimizes thermal distortion



STANDARD EQUIPMENT

- Fully enclosed splash guard
- 16 positions umbrella tool changer(V8)
- 24 pockets arm tool changer(V11)
- Air condition for electrical cabinet
- Screw type chip conveyor(V8)
- Rigid tapping
- Ethernet ,CF Card 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
- Handy coolant gun
- Air gun
- Cutting air blast system
- Operation manuals

OPTIONS

- Spindle cooling system
- 4th axis
- Chain type chip conveyor(V11)
- Coolant Through Spindle
- Tool Probe
- Workpiece Probe

Power Center V8·V11

- Boxway for heavy duty cutting



SPECIFICATION

TABLE	V8	V11
Table size	900×500mm	1200×600mm
T slot(width×number×distance)	18×5×100mm	18×5×110mm
Max. load	600kg	900kg
TRAVEL		
X/Y/Z Travel	800/500/550mm	1100/600/560mm
Spindle nose to table distance	100-650mm	100-660mm
Spindle center to column distance	555mm	638mm
SPINDLE		
Spindle taper	BT40	BT40
Spindle servo motor	8000RPM	10000RPM
Spindle speed	9/22kW(SIEMENS);7.5/11kW(FANUC)	12/27kW(SIEMENS);11/15kW(FANUC)
FEED		
Rapid feed		16m/min
Cutting speed	1-12000mm/min	1-8000mm/min
ACCURACY		
Positioning accuracy		±0.005/300
Positioning repeatability		0.005
DIMENSIONS & WEIGHT		
Dimensions	2750×2200×2500mm	3100×2360×2560mm
Weight	5000kg	8000kg



DESCRIPTION

- C3 class ballscews ensure the highest accuracy and durability
- Pre tension on all axes minimizes thermal distortion

Y axis with two roller type linear guideways and two boxways

STANDARD EQUIPMENT

- Fully enclosed splash guard
- 24 pockets arm tool changer
- Air-condition for electrical cabinet
- Rigid tapping
- Ethernet,CF card and USB interface
- Automatic lubrication system
- Coolant system
- Oil separation
- LED working lamp
- End of program light
- Electronic Handwheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Cutting air blast system
- Operation Manual

OPTIONS

- Spindle cooling system
- Two screw type chip conveyor and one chain type chip conveyor
- Coolant Through Spindle
- 4th axis
- Workpiece Probe
- Tool Probe

Power Center V18

■ Boxway and BT50 spindle for heavy duty cutting



SPECIFICATION

TABLE	V18
Table size	1900×900mm
T slot(width×number×distance)	18×7×120mm
Max. load	3000kg
TRAVEL	
X/Y/Z Travel	1800/900/700mm
Spindle nose to table distance	200-900mm
Spindle center to column distance	1025mm
SPINDLE	
Spindle taper	BT50
Spindle servo motor	18.5/48kW(SIEMENS);18.5/22kW(FANUC)
Spindle speed	6000rpm
FEED	
Rapid feed	15m/min
Cutting speed	1-7000mm/min
ACCURACY	
Positioning accuracy	±0.005/300
Positioning repeatability	0.005
DIMENSIONS & WEIGHT	
Dimensions	4500×3450×3200mm
Weight	17500kg

APPLICATION:

- Electrodes for EDM Machine
- Small size Steel Mould
- Art jobs

DESCRIPTION

- High rigidity of machine frame to fit high accelerations
- Cast iron is tempered for stress relief to ensure structural stability without deformation
- C3 class ballscrews ensure the highest accuracy and durability
- Pre tension on all axes minimizes thermal distortion



STANDARD EQUIPMENT

- Fully enclosed splash guard
- Motor spindle 30000rpm, HSK E40
- 12 positions umbrella tool changer
- Spindle cooling system
- Ethernet and CF card interface
- Automatic lubrication system
- Coolant system
- LED working lamp
- End of program light

OPTIONS

- Graphite Machining Preparation
- Spindle nose to table change to 180-430mm/280-530mm

- Electronic Handwheel(MPG)
- Leveling bolts and blocks
- Air gun
- Operation Manual

- Tool Probe

High Speed Double Column Center

V65HS



The above V65HS show with Graphite Machining Preparation

SPECIFICATION

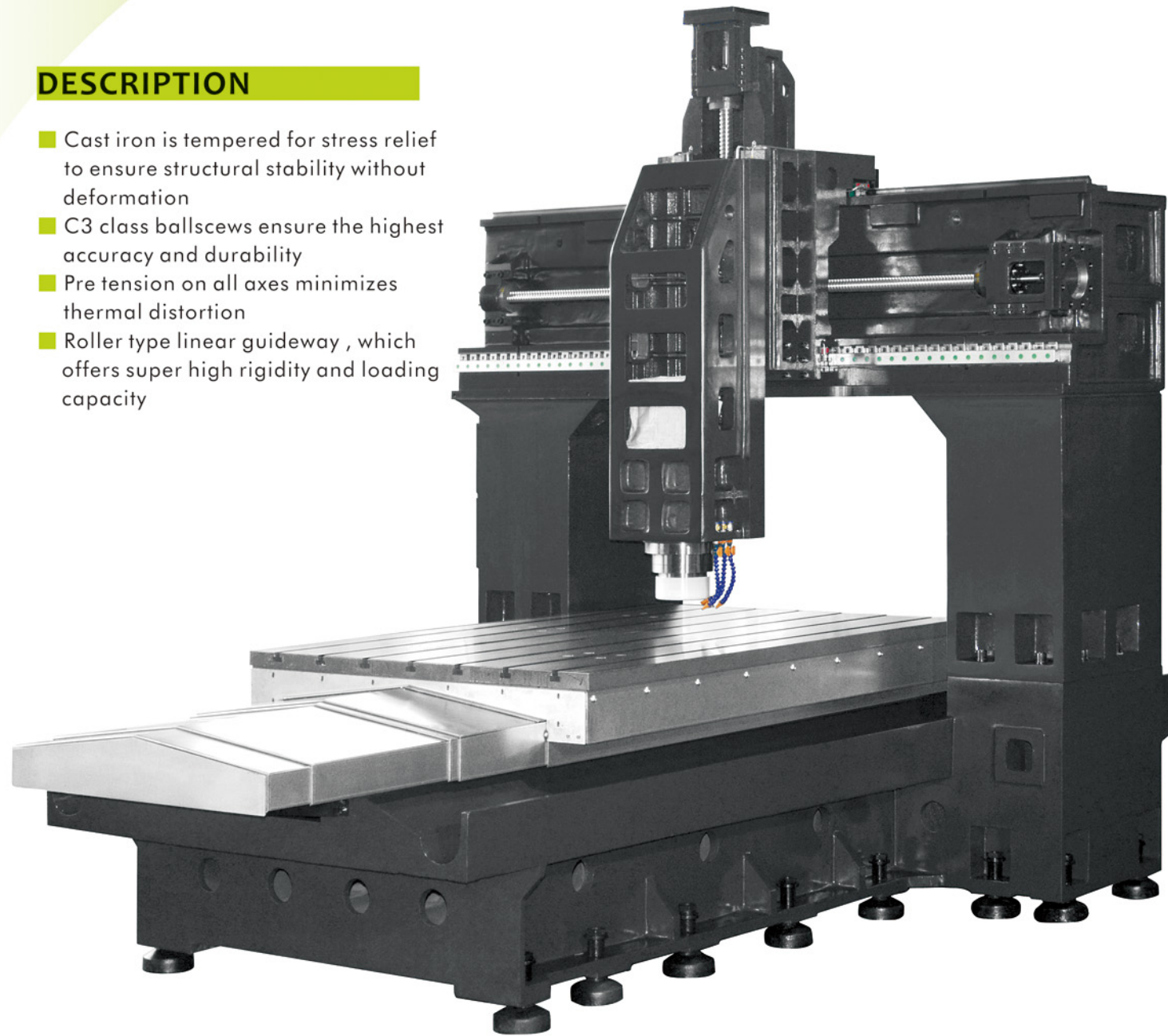
TABLE	V65HS
Table size	600×500mm
T slot(width×num×distance)	18×5×100mm
Max.load	300kg
TRAVEL	
X/Y/Z Travel	600/500/250mm
Spindle nose to table distance	80-330mm
Distance between columns	760mm
SPINDLE	
Spindle taper	HSK E40
Spindle servo motor	5.5kW
Spindle speed	30000RPM
FEED	
Rapid feed	15m/min
Cutting speed	1-8000mm/min
ACCURACY	
Positioning accuracy	±0.003/300
Positioning repeatability	0.003
DIMENSIONS & WEIGHT	
Dimensions	1750×2000×2300mm
Weight	3500kg

High Speed Double Column Center

V1210HS•V1613HS

DESCRIPTION

- Cast iron is tempered for stress relief to ensure structural stability without deformation
- C3 class ballscrews ensure the highest accuracy and durability
- Pre tension on all axes minimizes thermal distortion
- Roller type linear guideway , which offers super high rigidity and loading capacity



STANDARD EQUIPMENT

- Fully enclosed splash guard
- Direct drive spindle 12000rpm,BT40
- Air-condition for electrical cabinet
- Rigid tapping
- Ethernet and CF card interface
- Automatic lubrication system
- Coolant system
- Spindle cooling system
- LED working lamp
- End of program light
- Electronic Handwheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Operation Manual

OPTIONS

- Direct drive spindle 15000rpm,BT40
- 24 pockets arm tool changer
- Chip conveyor (Two screw type and one chain type)
- Motor spindle 20000rpm,HSK A63



SPECIFICATION

TABLE	V1210HS	V1613HS		
Table size	1250×900mm	1700×1200mm		
T slot(width×num×distance)	18×5×165mm	18×7×150mm		
Max.load	2000kg	3000kg		
TRAVEL				
X/Y/Z Travel	1200/1000/500mm	1600/1300/600mm		
Spindle nose to table distance	200-700mm	200-800mm		
Distance between columns	1000mm	1400mm		
SPINDLE				
Spindle taper	BT40	HSK A63	BT40	HSK A63
Spindle servo motor	9/22kW	20.5/24kW	9/22kW	20.5/24kW
Spindle speed	12000/15000RPM	20000RPM	12000/15000RPM	20000RPM
FEED				
Rapid feed	20m/min	20m/min		
Cutting speed	1-12000mm/min	1-12000mm/min		
ACCURACY				
Positioning accuracy	±0.003/300	±0.003/300		
Positioning repeatability	0.003	0.003		
DIMENSIONS & WEIGHT				
Dimensions	3600×2550×3100mm	4500×2800×3200mm		
Weight	9000kg	13000kg		

Double Column Center

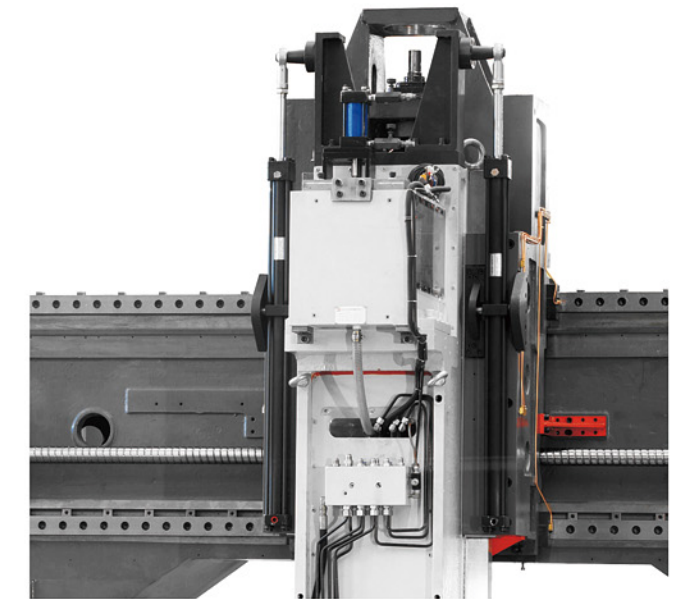
V2015 • V3317 • V3025 • V4025

STANDARD EQUIPMENT

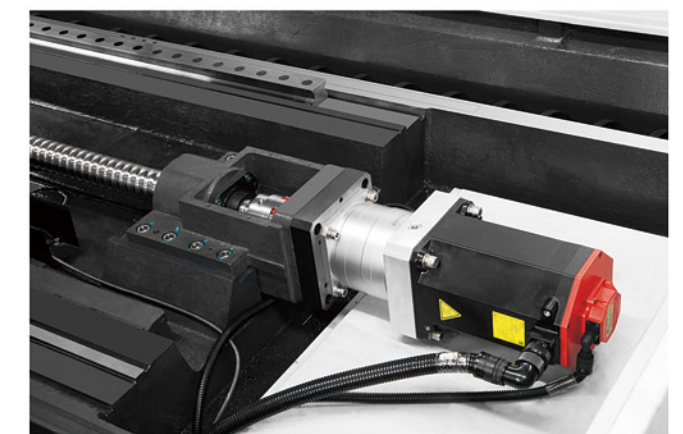
- Fully enclosed splash guard
- Air-condition for electrical cabinet
- Rigid tapping
- Ethernet, CF card and USB interface
- Automatic lubrication system
- Coolant system
- Spindle cooling system
- LED working lamp
- End of program light
- Electronic Handwheel(MPG)
- Tool box
- Leveling bolts and blocks
- Handy coolant gun
- Air gun
- Operation Manual

OPTIONS

- 24 pockets arm tool changer
- Chip conveyor (Two screw type and one chain type)



Hydraulic balancing system



Gear drive



Tool changer

Chip conveyor

Double Column Center

V2015 • V3317 • V3025 • V4025

DESCRIPTION

- Extra wide column to increase the connection surface with the crossbeam which can avoid vibration during cutting
- All axes are transmitted by high quality precision gear box to ensure high torque and rigidity during movement (V3317 on all axes and V3025/V4025 on X axis)
- Roller type linear guideway, which offers super high rigidity and loading capacity
- Hydraulic balancing system on Z axis



SPECIFICATION

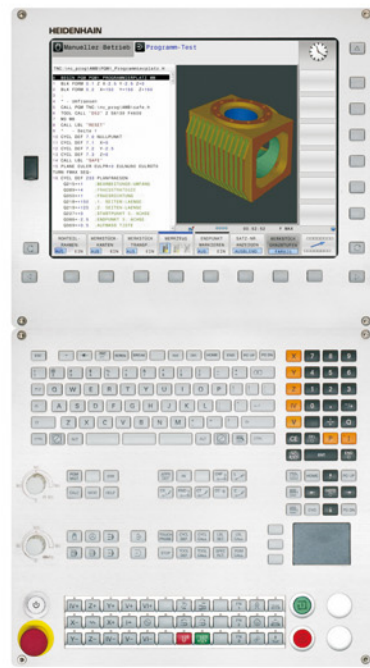
TABLE	V2015	V3317	V3025	V4025
Table size	2200×1300mm	3300×1500mm	3000×2100mm	4000×2100mm
T slot(width×num×distance)	22×8×150mm	22×8×170mm	28×9×220mm	28×9×220mm
Max.load	6000kg	10000kg	8000kg	10000kg
TRAVEL				
X/Y/Z Travel	2000/1500/760mm	3300/1600/800mm	3000/2500/1000mm	4000/2500/1000mm
Spindle nose to table distance	200-960mm	240-1040mm	105-1105mm	105-1105mm
Distance between columns	1525mm	1700mm	2500mm	2500mm
SPINDLE				
Spindle taper	BT40	BT50	BT50	BT50
Spindle servo motor(SIEMENS)	12/27kW	18.5/48kW	18.5/48kW	18.5/48kW
Spindle speed	12000RPM	6000RPM	6000RPM	6000RPM
Spindle transmission	Direct drive	Belt	Direct drive	Belt

TRANSMISSION WAY OF THREE AXES	V2015	V3317	V3025	V4025
Transmission way of X axis	Direct drive	Gear drive	Gear drive	Gear drive
Transmission way of Y axis	Direct drive	Gear drive	Direct drive	Direct drive
Transmission way of Z axis	Direct drive	Gear drive	Direct drive	Direct drive
FEED				
Rapid feed X/Y/Z	15/15/12m/min	15/15/12m/min	12/12/10m/min	10/12/10m/min
Cutting speed	1-10000mm/min	1-10000mm/min	1-10000mm/min	1-10000mm/min
ACCURACY				
Positioning accuracy	±0.005/300	±0.005/300	±0.005/300	±0.005/300
Positioning repeatability	0.005	0.005	0.005	0.005
DIMENSIONS & WEIGHT				
Dimensions	6500×4000×4500mm	8700×4700×4550mm	7800×5300×4950mm	9800×5300×4950mm
Weight	20000kg	26000kg	29000kg	33000kg

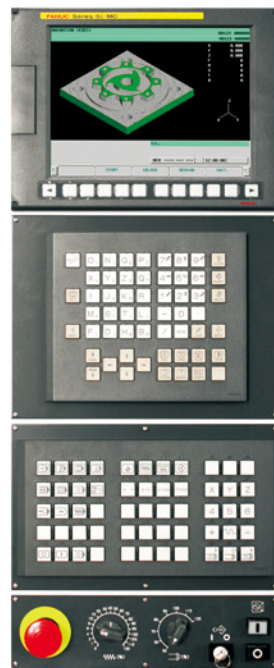
CNC CONTROLLER



SIEMENS



HEIDENHAIN



FANUC

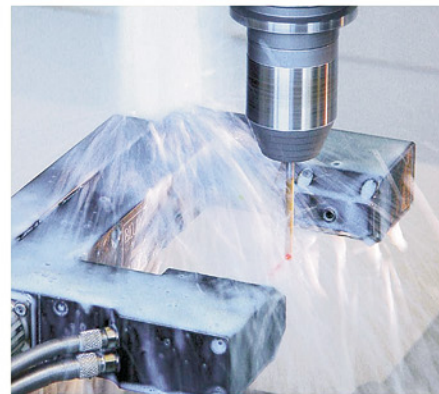
OPTIONS



CNC Rotary table



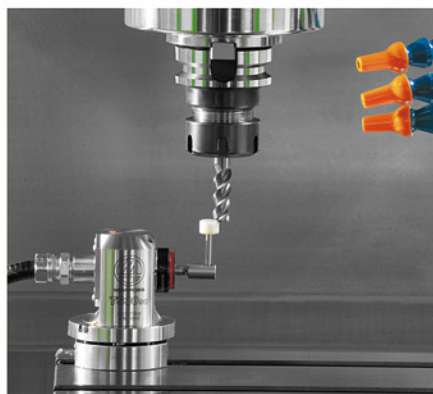
Spindle cooling system



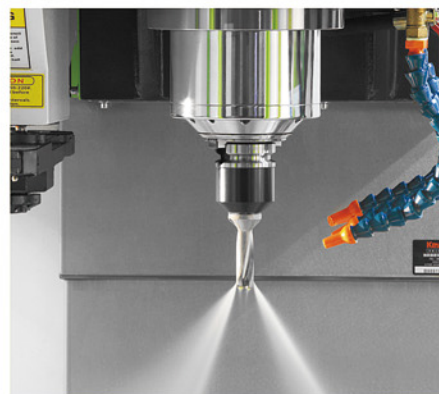
Laser Tool Probe



Workpiece Probe



Tool Probe



Coolant Through Spindle

SOURCE OF MAIN COMPONENTS



ROYAL



HIWIN



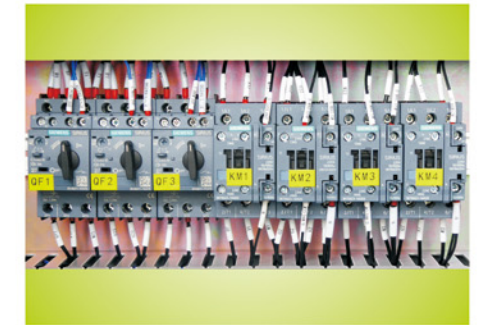
Rexroth HIWIN



NSK FAG



SANJET



SIEMENS

PRECISION MODULAR VISE

