

HMWTECH CO.,LTD

SLANT BED CNC LATHE/GANG TOOL SERIES

Product Features

- 1.High precision, high rigidity, heavy loaded sleeve simple spindle.
- 2.Iron cast base, slant bed, with good rigidity, convenient operation and chip removal
- 3.High rigidity, high precision and high speed linear slide, and precise ball screw.



HM36A1
HM46A1
HM46AL



Website: <https://www.himcnc.com>
Get-a-Quote email: info@harmonywold.com



MAIN FUNCTIONAL UNIT

CNC system: Taiwan Syntec
Spindle parts: Domestic or Taiwan Posa
Spindle servo motor/Driver: Beijing CTB
X/Z axis servo motor/Driver: Taiwan Syntec or Yaskawa, Japan
X/Z axis ball screw: Taiwan PMI or Hiwin
X/Z axis linear guide: Taiwan PMI or Hiwin
Bed base: Cast iron base
Electrical components: Schneider, France

Website: <https://www.himcnc.com> Get-a-Quote email: info@harmonywold.com

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MAIN TECHNIQUE PARAMETERS

Description	Unit	HM36A1	HM46A1	HM46AL
Swing over bed	mm	Φ360	Φ360	Φ420
Turning length	mm	220	220	260
Max rotary diameter on turret	mm	Φ95	Φ95	Φ125
Turning dia(disc-/axle)	mm	Φ350/Φ95	Φ350/Φ95	Φ400/Φ125
Spindle bore	mm	Φ46	Φ56	Φ56
Bar capacity	mm	Φ35	Φ45	Φ45
Spindle speed range	r/min	0-4000	0-4000	0-4000
Gear of spindle speeds	level	stepless	stepless	stepless
Spindle nose	flange	A2-4	A2-5	A2-5
Spindle motor power	kw	3.7	5.5	5.5
Bed tana	linear measure	45	45	45
X-rapid speed	m/min	24	24	24
Z-rapid speed	m/min	30	30	30
X-travel	mm	650	750	850
Z-travel	mm	260	220	290
X/Zaxis servo turret machine power	kw	1.1	260	0.85
Re-accuracy	X-axis	±0.0025	±0.0025	±0.003
	Zaxis	±0.0025	±0.0025	±0.003
Standard tool type	-	Row knife	Row knife	Row knife
Max loading tools	Grasp pc	8	8	8
Tool size	o.D.tool size	20X20	20X20	20X20
	I.D.tool size	Φ20	Φ25	Φ25
Machine power	kw	7	8	8
Machine G.W	kg	2400	2500	2800
Machine layout(LxXxH)	mm	2050X1350X1800	2050X1350X1800	2100X1650X1900

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SLANT BED CNC LATHE/ROTATING TURRET TOOL SERIES

Product Features

- 1.High precision, high rigidity, heavy loaded sleeve simple spindle.
- 2.Iron cast base, slant bed, with good rigidity, convenient operation and chip removal.
- 3.High rigidity, high precision and high speed linear slide, and precise ball screw.
- 4.Hvdraulic or servo rotary tool turret is applied featuring fast tool change and nearbi change. The tool change time is 0.3-0.5 seconds, the number of installed tools is not limited by the size of the workpiece and is suitable for heavy-duty cutting

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HM36B
HM46B



MAIN FUNCTIONAL UNIT

- CNC system: Taiwan Syntec
- Spindle parts: Domestic or Taiwan Posa
- Spindle servo motor/Driver: Beijing CTB
- X/Z axis servo motor/Driver: Taiwan Syntec or Yaskawa, Japan
- X/Z axis ball screw: Taiwan PMI or Hiwin
- X/Z axis linear guide: Taiwan PMI or Hiwin
- Turret: Taiwan hydraulic or servo turret
- Bed base: Castiron base
- Electrical components: Schneider, France

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MAIN TECHNIQUE PARAMETERS

Description		Unit	HM36B	HM46B
Swing over bed		mm	Φ360	Φ400
Turning length		mm	150	245
Max rotary diameter on turret		mm	Φ95	Φ125
Turning dia(disc-/axle)		mm	Φ350/Φ95	Φ380/Φ125
Spindle bore		mm	Φ46	Φ56
Bar capacity		mm	Φ35	Φ45
Spindle speed range		r/min	0-4000	0-4000
Gear of spindle speeds		level	stepless	stepless
Spindle nose		flange	A2-4	A2-5
Spindle motor power		kW	3.7	7.5
Bed tana		linear measure	45	30
X-rapid speed		m/min	24	24
Z-rapid speed		m/min	30	30
X-travel		mm	210(radius Radium)	280(radius Radium)
Z-travel		mm	260	390
X/Z axis servo turret machine power		kw	1.7	1.3
Re-accuracy	X-axis	mm	±0.0025	±0.0025
	Z-axis	mm	±0.0025	±0.0025
Standard tool type		-	130-8hydraulic turret	160-8hydraulic turret
Max loading tools		grasp pc	8	8
Tools indexing time		s	0.5	0.5
Tool size	O.D.tool size	mm	20X20	20X20
	1.D,tool size	mm	Φ25	Φ32
Machine power		kw	8	11
Machine G.W		kg	2500	2950
Machine layout (LxXxH)		mm	2050X1350X1800	2200X1800X1800

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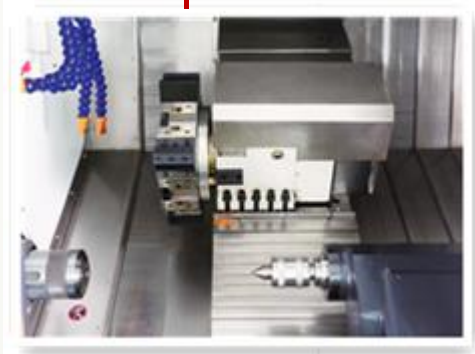
SLANT BED CNC LATHE/TURRET TAILSTOCK SERIES

Product Features

- 1.High precision, high rigidity, heavy loaded sleeve simple spindle.
- 2.Overall Iron cast base, slant bed, with good rigidity, convenient operation and chip removal
- 3.High rigidity, high precision, high speed and heavy load linear slide, precision ball screw.
- 4.Hydraulic or servo rotary tool turret is applied featuring fast tool change and nearby change.The tool change time is 0.3-0.5 seconds, and it is suitable for heavy loaded cutting.
- 5.Oil pressure control is applied on the base, so the mandrel can be flexible in extension and contracting, with good rigidity and convenient operation. It can be used to process the long shaft parts.



HM46D
HM52D



MAIN FUNCTIONAL UNIT

CNC system: Taiwan Syntec
Spindle parts: Domestic or Taiwan Posa
Spindle servo motor/Driver: Beijing CTB
X/Z axis servo motor/Driver: Taiwan Syntec or Yaskawa, Japan
X/Z axis ball screw: Japan THK
X/Z axis linear guide: Japan THK
Bed base: Castiron base
Electrical components: Schneider, France

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MAIN TECHNIQUE PARAMETERS

Description		Unit	HM46D	HM52D
Swing over bed		mm	Φ460	Φ500
Turning length		mm	340	500
Max rotary diameter on turret		mm	Φ220	Φ280
Turning dia(disc-/axle)		mm	Φ450/Φ220	Φ480/Φ280
Spindle bore		mm	Φ56	Φ62
Bar capacity		mm	Φ45	Φ51
Spindle speed range		r/min	0-4000	0-4000
Gear of spindle speeds		level	stepless	stepless
Spindle nose		flange	A2-5	A2-6
Spindle motor power		kW	7.5	11
Bed tana		linear measure	30	30
X-rapid speed		m/min	30	30
Z-rapid speed		m/min	30	30
X-travel		mm	230(radius Radium)	245(radius Radium)
Z-travel		mm	355	520
X/Zaxis servo turret machine power		kw	1.3	1.3
Tail socket diameter		mm	Φ65	Φ80
Tailstock sleeve stroke		mm	80	80
Tailstock spindle taper		Morse's	4#	5#
Tailstock stroke		mm	300	460
Re-accuracy	X-axis	mm	±0.0025	±0.0025
	Z-axis	mm	±0.0025	±0.0025
Standard too ltype		-	160-8 hydraulic turret	160-10 hydraulic turret
Max loading tools		Grasp pc	8	10
Tools indexing time		s	0.5	0.5
Tool size	O.D.tool size	mm	20X20	25X25
	1.D.tool size	mm	Φ25	Φ32
Machine power		kw	11	14.5
Machine G.W		kg	3500	4200
Machine layout (LxXxH)		mm	2350X1820X1900	2580X1950X1950

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SLANT BED CNC LATHE/TURN-MILL SERIES

Product Features

- 1.High precision, high rigidity, heavy loaded sleeve simple spindle.
- 2.Iron cast base, slant bed, with good rigidity, convenient operation and chip removal
- 3.High rigidity, high precision and high speed linear slide, and precise ball screw.
- 4.Servo spindle is applied, along with radial or axial servo power unit, and the power unitapplies the imported precision grade gear transmission with good rigidity, low noise andhigh precision. It can realize the 360 degree position of the spindle arbitrarily, and has thefunctions of side drilling, tapping and milling, which can complete more complicated partsprocessingin one time.



HM36C
HM46C



MAIN FUNCTIONAL UNIT

CNC system: Taiwan Syntec

Spindle parts: Domestic or Taiwan Posa

Spindle servo motor/Driver: Beijing CTB

X/Z axis servo motor/Driver: Taiwan Syntec
or Yaskawa, Japan

X/Z axis ball screw: Taiwan PMI or Hiwin

X/Z axis linear guide: Taiwan PMI or Hiwin

Power unit: Taiwan precision gear-driven
power unit

Power head servo turret: Taiwan Syntec or
Yaskawa, Japan

Bed base: Castiron base

Electrical components: Schneider, France

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MAIN TECHNIQUE PARAMETERS

Description	Unit	HM36C	HM46C
Swing over bed	mm	Φ360	Φ420
Turning length	mm	130(side Side milling)	160(Side milling)
Max rotary diameter on turret	mm	Φ95	Φ125
Turning dia(disc-/axle)	mm	Φ200/Φ95	Φ340/Φ125
Spindle bore	mm	Φ46	Φ56
Bar capacity	mm	Φ35	Φ45
Spindle speed range	r/min	0-4000	0-4000
Gear of spindles peeds	level	stepless	stepless
Spindle nose	flange	A2-4	A2-5
Spindle motor power	kw	3.7	5.5
Bed tana	linear measure	45	45
X-rapid speed	m/min	24	24
Z-rapid speed	m/min	30	30
X-travel	mm	750	850
Z-travel	mm	275	290
X/Z axis servo turret machine power	kw	1.1	085
Re-accuracy	X-axis	±0.0025	±0.0025
	Z-axis	±0.0025	±0.0025
Spindle(C-axis)re-positioning precision	mm	0.01	0.01
Standard tool type	-	Row knife	Row knife
Max loading tools	Grasp pc	4-5	4-6
Tool size	O D.tool size	20X20	20X20
	I.D.tool size	Φ20	Φ25
Power unit	-	ER20 two axis power head unit	ER20 two axis power head unit
Head motor power	kw	0.75t	0.75
Head speed	r/min	3000	3000
Head clamping dia	mm	Φ13	Φ13
Max tap dia	mm	M8	M8
Machine power	kw	7.5	9
Machine G.W	kg	2500	2850
Machine layout(LxXxH)	mm	2050X1350X1950	2100X1650X1900

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SLANT BED CNC LATHE/TURN-MILL SERIES

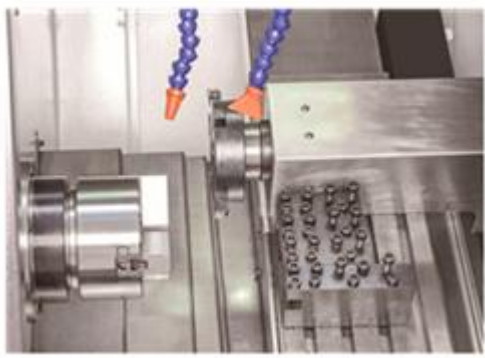
Product Features

- 1.High precision, high rigidity, heavy loaded sleeve simple spindle.
- 2.Iron cast base, slant bed, with good rigidity, convenient operation and chip removal.
- 3.High rigidity, high precision and high speed linear slide, and precise ball screw.
- 4.The servo spindle is applied along with the axial flying cutter servo power unit, which can realize the polygon processing functions for vehicles such as square and hexagonal shape that greatly improves the processing efficiency.

Website: <https://www.himcnc.com>
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HM46F



MAIN FUNCTIONAL UNIT

- CNC system: Taiwan Syntec
- Spindle parts: Domestic or Taiwan Posa
- Spindle servo motor/Driver: Beijing CTB
- X/Z axis servo motor/Driver: Taiwan Syntec or Yaskawa, Japan
- X/Z axis ball screw: Taiwan PMI or Hiwin
- X/Z axis linear guide: Taiwan PMI or Hiwin
- Power unit: Taiwan precision gear-driven power unit
- Power head servo turret: Taiwan Syntec or Yaskawa, Japan
- Bed base: Castiron base
- Electrical components: Schneider, France

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MAIN TECHNIQUE PARAMETERS

Description		Unit	NXX-46F
Swing over bed		mm	Φ420
Turning length		mm	120(Flying knife)
Max rotary diameter on turret		mm	Φ125
Turning dia(disc-/axle)		mm	Φ300/Φ125
Spindle bore		mm	Φ56
Bar capacity		mm	Φ45
Spindle speed range		r/min	0-4000
Gear of spindle speeds		level	stepless
Spindle nose		flange	A2-5
Spindle motor power		kw	5.5
Bed tana		linear measure	45
X-rapids peed		m/min	24
Z-rapid speed		m/min	30
X-travel		mm	850
Z-travel		mm	290
X/Z axis servo turret machine power		kw	0.85
Re-accuracy	X-axis	mm	±0.0025
	Z-axis	mm	±0.0025
Spindle(C-axis)re-positioning precision		mm	0.01
Standard tool type		-	Row knife
Max loading tools		Grasp pc	4-6
Tool size	O.D.tool size	mm	20X20
	I.D.tool size	mm	Φ25
Power unit		-	ER40 The polygon power headunit milling
Head motor power		kw	1.3
Head speed		r/min	2500
Machine power		kw	9.5
Machine G.W		kg	2900
Machine layout(LxXxH)		mm	2100X1650X1900

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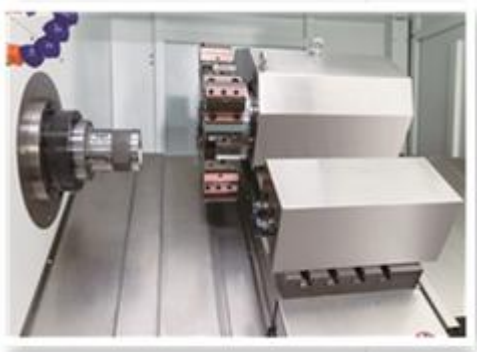
SLANT BED CNC LATHE/TURN-MILL SERIES

Product Features

- 1.High precision, high rigidity, heavy loaded sleeve simple spindle.
- 2.Iron cast base, slant bed, with good rigidity, convenient operation and chip removal.
- 3.High rigidity, high precision and high speed linear slide, and precise ball screw.
- 4.Hydraulic or servo rotary turret is applied to achieve fast tool change from nearby, and thenumber of tools is not limited by the size of the power unit and the work piece.
- 5.Servo spindle is applied along with radial or axial servo power unit, and power unit adoptsimported precision gear transmission, with good rigidity, low noise and high precision. Itcan realize 360 degree arbitrary positioning of the spindle that has side-end drilling, tappingand milling functions, which can complete more complicated parts processing in one time



HM36BC
HM46BC



MAIN FUNCTIONAL UNIT

CNC system: Taiwan Syntec

Spindle parts: Domestic or Taiwan Posa

Spindle servo motor/Driver: Beijing CTB or Taiwan Syntec

X/Z axis servo motor/Driver: Taiwan Syntec or Yaskawa,Japan

X/Z axis ball screw: Taiwan PMI or Hiwin

X/Z axis linear guide: Taiwan PMI or Hiwin

Power unit: Taiwan precision gear-driven power unit

Power head servo turret: Taiwan Syntec or Yaskawa, Japan

Turret: Taiwan hydraulic or servo turret

Bed base: Cast iron base

Electrical components: Schneider, France

Website: <https://www.himcnc.com> Get-a-Quote email: info@harmonywold.com

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MAIN TECHNIQUE PARAMETERS

Description		Unit	HM46F
Swing over bed		mm	Φ420
Turning length		mm	120(Flying knife)
Max rotary diameter on turret		mm	Φ125
Turning dia(disc-/axle)		mm	Φ300/Φ125
Spindle bore		mm	Φ56
Bar capacity		mm	Φ45
Spindle speed range		r/min	0-4000
Gear of spindle speeds		level	stepless
Spindle nose		flange	A2-5
Spindle motor power		kW	5.5
Bed tana		linear measure	45
X-rapid speed		m/min	24
Z-rapid speed		m/min	30
X-travel		mm	850
Z-travel		mm	290
X/Zaxis servo turret machine power		kW	0.85
Re-accuracy	X-axis	mm	±0.0025
	Z-axis	mm	±0.0025
Spindle(C-axis)re-positioning precision		mm	0.01
Standard tool type		-	Row knife
Max loading tools		Grasp pc	4-6
Tool size	o.D.tool size	mm	20X20
	1.D.tool size	mm	Φ25
Power unit		-	ER40The polygon power head unit milling
Head motor power		kW	1.3
Head speed		r/min	2500
Machine power		kw	9.5
Machine G.W		kg	2900
Machine layout(LxXxH)		mm	2100X1650X1900

HMWTECH CO.,LTD

SLANT BED CNC LATHE/TURN-MILL SERIES

Product Features

- 1.High precision, high rigidity, heavy loaded sleeve simple spindle.
- 2.Iron cast base, slant bed, with good rigidity, convenient operation and chip removal.
- 3.High rigidity, high precision and high speed linear slide, and precise ball screw.
- 4.Servo spindle is applied along with radial or axial servo with Y-axis power unit, powerunit adopts imported precision gear transmission with good rigidity, low noise and highprecision. It can realize 360 degree arbitrary positioning of the spindle that has side-facedrilling, tapping and milling functions, and also has engraving function, which can complete complicated parts processing in one time.



HM36CY
HM46CY



MAIN FUNCTIONAL UNIT

CNC system: Taiwan Syntec

Spindle parts: Domestic or Taiwan Posa

Spindle servo motor/Driver: Beijing CTB or Taiwan Syntec

X/Z axis servo motor/Driver: Taiwan Syntec or Yaskawa, Japan

X/Z axis ball screw: Taiwan PMI or Hiwin

X/Z axis linear guide: Taiwan PMI or Hiwin

Power unit: Taiwan precision gear-driven power unit

Power head servo turret: Taiwan Syntec or Yaskawa, Japan

Bed base: Castiron base

Electrical components: Schneider, France

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HMWTECH CO.,LTD

MAIN TECHNIQUE PARAMETERS

Description		Unit	HM36CY	HM46CY
Swing over bed		mm	Φ360	Φ400
Turning length		mm	150(Side milling)	200(Side milling)
Max rotary diameter on turret		mm	Φ95	Φ125
Turning dia(disc-/axle)		mm	Φ200/Φ95	Φ340/Φ125
Spindle bore		mm	Φ46	Φ56
Bar capacity		mm	Φ35	Φ45
Spindle speed range		r/min	0-4000	0-4000
Gear of spindle speeds		level	stepless	stepless
Spindle nose		flange	A2-4	A2-5
Spindle motor power		kw	3.7	5.5
Bed tana		linear measure	45	30
X-rapid speed		m/min	24	24
Z-rapid speed		m/min	30	30
Y-rapid speed		m/min	12	12
X-travel		mm	750	850
Z-travel		mm	260	390
Y-travel		mm	85	85
X/Z axis servo turret machine power		kw	1.1	0.85
Re-accuracy	X-axis	mm	±0.0025	±0.0025
	Z-axis	mm	±0.0025	±0.0025
Spindle(C-axis)re-positioning precision		mm	0.01	0.01
Standard tool type		-	Row knife	Row knife
Max loading tools		Grasp pc	4-5	4-6
Tool size	O.D.tool size	mm	20X20	20X20
	I.D.tool size	mm	Φ20	Φ25
Power unit		-	ER20 two axis power head unit+Y axis	ER20 two axis power head unit+Y axis
Head motor power		kw	0.85+0.85	0.85+0.85
Head speed		r/min	3000	3000
Head clamping dia		mm	Φ13	Φ13
Max tap dia		mm	M8	M8
Machine power		kw	9	10
Machine G.W		kg	2350	2900
Machine layout(LxXxH)		mm	2050X1350X1800	2200X1800X1800

HMWTECH CO.,LTD

SLANT BED CNC LATHE/TURN-MILL SERIES

Product Features

- 1.High precision, high rigidity, heavy loaded sleeve simple spindle.
- 2.Iron cast base, slant bed, with good rigidity, convenient operation and chip removal
- 3.High rigidity, high precision and high speed linear slide, and precise ball screw.
- 4.Hydraulic or servo rotary turret is applied to achieve fast tool change from nearby, and the number of tools is not limited by the size of the power unit and the work piece.
- 5.Servo spindle is applied along with radial or axial servo with Y-axis power unit, power unit adopts imported precision gear transmission with good rigidity, low noise and high precision. It can realize 360 degree arbitrary positioning of the spindle that has side-face drilling, tapping and milling functions, and also has engraving function, which can complete complicated parts processing in one time.



HM46BCY
HM46BCY1



MAIN FUNCTIONAL UNIT

CNC system: Taiwan Syntec
Spindle parts: Domestic or Taiwan Posa
Spindle servo motor/Driver: Beijing CTB or Taiwan Syntec
X/Z axis servo motor/Driver: Taiwan Syntec or Yaskawa,Japan
X/Z axis ball screw: Taiwan PMI or Hiwin
X/Z axis linear guide: Taiwan PMI or Hiwin
Power unit: Taiwan precision gear-driven
Power head servo turret: Taiwan Syntec or Yaskawa, Japan
Turret: Taiwan hydraulic or servo turret
Bed base: Castiron base
Electrical components: Schneider, France

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MAIN TECHNIQUE PARAMETERS

Description		Unit	HM46BCY	HM46BCY1
Swing over bed		mm	Φ550	Φ550
Turning lenght		mm	190(Side milling)	200 (Side milling)
Max rotary diameter on turret		mm	Φ120	Φ150
Turning dia(disc-/axle)		mm	Φ120/Φ120	Φ150/Φ150
Spindle bore		mm	Φ56	Φ56
Bar capacity		mm	Φ45	Φ45
Spindle speed range		r/min	0-4000	0-4000
Gear of spindle speeds		level	stepless	stepless
Spindle nose		flange	A2-5	A2-5
Spindle motor power		kw	5.5	5.5
Bed tana		linear measure	30	30
X-rapid speed		m/min	24	24
Z-rapid speed		m/min	30	30
Y-rapid speed		m/min	12	12
X-travel		mm	290(radius Radium)	300(radius Radium)
Z-travel		mm	295	350
Y-travel		mm	215	215
X/Z axis servo turret machine power		kw	1.3	1.3
Re-accuracy	X-axis	mm	±0.0025	±0.0025
	Z-axis	mm	±0.0025	±0.0025
Spindle(C-axis)re-positioning precision		mm	0.01	0.01
Standard tool type		-	130-8 hydraulic turret	130-8 hydraulic turret
Max loading tools		Grasp pc	8	8
Tools indexing time		s	0.5	05
Tool size	o.D.tool size	mm	20X20	20X20
	I.D.tool size	mm	Φ25	Φ25
Power unit		-	ER20 4+4+Y axis power head unit	ER20 4+4+Y axis power head unit
Head motor power		kw	1.3+0.85	1.3+0.85
Head speed		r/min	3000	3000
Head clamping dia		mm	Φ13	Φ13
Max tap dia		mm	M8	M8
Machine power		kw	11.5	11.5
Machine G.W		kg	3300	3300
Machine lavout(LxXxH)		mm	2300X1920X2150	2230X1870X2150

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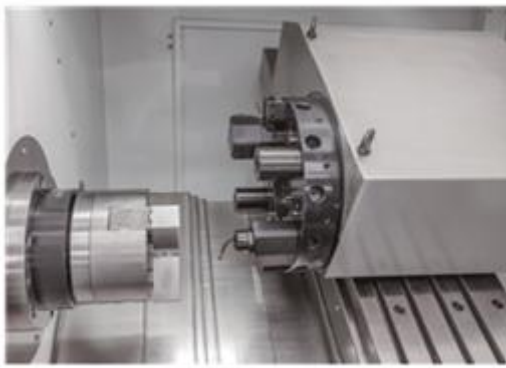
SLANT BED CNC LATHE/POWER TURRET TURN-MILL SERIES

Product Features

- 1.High precision, high rigidity, heavy loaded sleeve simple spindle
- 2.Iron cast base, slant bed, with good rigidity, convenient operation and chip removal.
- 3.High rigidity, high precision and high speed linear slide, and precise ball screw.
- 4.The servo spindle is applied, and the servo power rotary turret is equipped with side milling and end milling power units, which improves the rigidity, stability and scale precision of themachining, thus give full play to the excellent heavy cutting processing capability and achieving360 degree arbitrary positioning of the spindle. Degree positioning, with side-end drillingtapping and milling functions, can complete more complex parts processing in one time.



HM46E



MAIN FUNCTIONAL UNIT

CNC system: Taiwan Syntec

Spindle parts: Domestic or Taiwan Posa

Spindle servo motor/Driver: Beijing CTB or Taiwan Syntec

X/Z axis servo motor/Driver: Taiwan Syntec or Yaskawa, Japan

X/Z axis ball screw: Taiwan PMI or Hiwin

X/Z axis linear guide: Taiwan PMI or Hiwin

Turret: Taiwan or domestic servo power turret

Power head servo turret: Taiwan Syntec or Yaskawa, Japan

Bed base: Castiron base

Electrical components: Schneider, France

Website: <https://www.himcnc.com> Get-a-Quote email: info@harmonywold.com

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MAIN TECHNIQUE PARAMETERS

Description		Unit	HM46E
Swing over bed		mm	Φ460
Turning length		mm	180(Endmilling)
Max rotary diameter on turret		mm	Φ160
Turning dia(disc-/axle)		mm	Φ240/Φ160
Spindle bore		mm	Φ56
Bar capacity		mm	Φ45
Spindle speed range		r/min	0-4000
Gear of spindle speeds		level	stepless
Spindle nose		flange	A2-5
Spindle motor power		kw	5.5
Bed tana		linear measure	30
X-rapid speed		m/min	24
Z-rapid speed		m/min	30
X-travel		mm	250(radius Radium)
Z-travel		mm	350
X/Z axis servo turret machine power		kw	1.3
Re-accuracy	X-axis	mm	±0.0025
	Z-axis	mm	±0.0025
Spindle(C-axis)re-positioning precision		mm	0.01
Standard tool type		-	Servo power turret
Max loading tools		Grasp pc	12
Tools indexing time		s	0.3
Tool size	0.D.tool size	mm	20X20
	1.D.tool size	mm	Φ25
Power unit		-	ER16 (Optional ER20)
Head motor power		kw	2.75
Head speed		r/min	3000
Head clamping dia		mm	Φ10
Max tap dia		mm	M6
Machine power		kw	12
Machine G.W		kg	3500
Machine layout(LxXxH)		mm	2200X1800X1900

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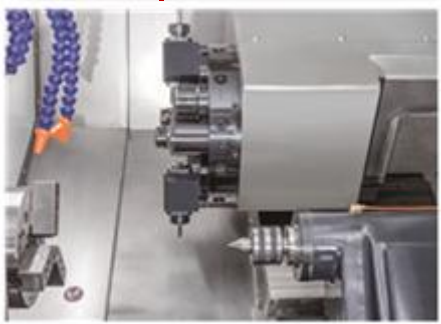
SLANT BED CNC LATHE/POWER TURRET TURN-MILL SERIES

Product Features

- 1.High precision, high rigidity, heavy load sleeve spindle.
2. Integral cast iron base, inclined bed, good rigidity, convenient operation and chip removal.
3. High rigidity, high speed, high precision heavy-duty linear guide, precision ball screw.
- 4.Servo spindle, servo power rotating turret, and side milling and end milling power heads are used to improve the rigidity, stability and indexing accuracy of machining, thereby exerting excellent heavy-cutting processing capabilities and realizing a spindle 360° Arbitrary indexing and positioning, with side-end face drilling, tapping, and milling functions, which can complete the processing of more complex parts in one clamping.
- 5.The tailstock is controlled by oil pressure, the mandrel automatically expands and contracts.the rigidity is good, the operation is convenient, and the long shaft parts can be processed.



HM52DE



MAIN FUNCTIONAL UNIT

CNC system: Taiwan Syntec

Spindle parts: Domestic or Taiwan Posa
Spindle servo motor/Driver: Beijing CTB
or Taiwan Syntec

X/Z axis servo motor/Driver: Taiwan
Syntec or Yaskawa, Japan

X/Z axis ball screw: Japan THK

X/Z axis linear guide: Japan THK

Power unit: Taiwan precision gear-driven
power unit

Power head servo turret: Taiwan Syntec
or Yaskawa, Japan

Turret: Taiwan or domestic servo power
turret

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MAIN TECHNIQUE PARAMETERS

Description		Unit	HM52DE
Swing over bed		mm	Φ500
Turning length		mm	320(Endmilling)
Max rotary diameter on turret		mm	Φ280
Turning dia(disc-/axle)		mm	Φ500/Φ280
Spindle bore		mm	Φ62
Bar capacity		mm	Φ51
Spindle speed range		r/min	0-4000
Gear of spindle speeds		level	stepless
Spindle nose		flange	A2-6
Spindle motor power		kw	11
Bed tana		linear measure	30
X-rapid speed		m/min	30
Z-rapid speed		m/min	30
Y-rapid speed		m/min	12
X-travel		mm	225(radius Radium)
Z-travel		mm	450
X/Z axis servo turret machine power		kw	1.3
Tail socket diameter		mm	Φ80
Tailstock sleeve stroke		mm	80
Tailstock spindle taper		mm	5#
Tailstock stroke		mm	460
Re-accuracy	X-axis	mm	±0.0025
	Zaxis	mm	±0.0025
Spindle(C-axis)re-positioning precision		mm	0.01
Standard tool type		-	Servo power turret
Max loading tools		Grasp pc	12
Tools indexing time		s	0.3
Tool size	o.D.tool size	mm	20X20
	I.D.tool size	mm	Φ25
Power unit		-	ER25
Head motor power		kw	3.1+0.85
Head speed		r/min	3000
Head clamping dia		mm	Φ16
Max tap dia		mm	M10
Machine power		kw	18.5
Machine G.W		kg	4500
Machine layout(LxXxH)		mm	2580X1950X1950

HMWTECH CO.,LTD

SLANT BED CNC LATHE/POWER TURRET TURN-MILL SERIES

Product Features

- 1.High precision, high rigidity, heavy load sleeve spindle.
- 2.Integral cast iron base, inclined bed, good rigidity, convenient operation and chip removal.
- 3.High-rigidity, high-speed, high-precision heavy-duty linear guide, precision ball screw.
- 4.Adopt servo main shaft, servo power rotating turret with Y axis, equipped with side milling and end milling power head, which improves the rigidity, stability and indexing accuracy of processing, thus exerting excellent heavy cutting processing ability. Realize the spindle 360° arbitrary indexing and positioning, with side-end face drilling, tapping, and milling functions, which can complete the processing of more complex parts in one clamping.
- 5.The tailstock is controlled by oil pressure, the mandrel automatically expands and contracts the rigidity is good, the operation is convenient, and the long shaft parts can be processed.



HM52DEY



MAIN FUNCTIONAL UNIT

CNC system: Taiwan Syntec

Spindle parts: Domestic or Taiwan Posa
Spindle servo motor/Driver: Beijing CTB
or Taiwan Syntec

X/Z axis servo motor/Driver: Taiwan
Syntec or Yaskawa, Japan

X/Z axis ball screw: Japan THK

X/Z axis linear guide: Japan THK

Power unit: Taiwan precision gear-driven
power unit

Power head servo turret: Taiwan Syntec
or Yaskawa, Japan

Turret: Taiwan or domestic servo power
turret

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MAIN TECHNIQUE PARAMETERS

Description		Unit	HM52DEY
Swing over bed		mm	Φ500
Turning length		mm	320(Endmilling)
Max rotary diameter on turret		mm	Φ380
Turning dia(disc-/axle)		mm	Φ500/Φ380
Spindle bore		mm	Φ62
Bar capacity		mm	Φ51
Spindle speed range		r/min	0-4000
Gear of spindle speeds		level	stepless
Spindle nose		flange	A2-6
Spindle motor power		kw	11
Bed tana		linear measure	30
X-rapid speed		m/min	30
Z-rapid speed		m/min	30
Y-rapid speed		m/min	12
X-travel		mm	225(radius Radium)
Z-travel		mm	400
Y-travel		mm	70
X/Z axis servo turret machine power		kw	1.8
Tail socket diameter		mm	Φ80
Tailstock sleeve stroke		mm	80
Tailstock spindle taper		mm	5#
Tailstock stroke		mm	460
Re-accuracy	X-axis	mm	±0.0025
	Z-axis	mm	±0.0025
Spindle(C-axis)re-positioning precision		mm	0.01
Standard tool type		-	Servo powerturret
Max loading tools		Grasp pc	12
Tools indexing time		s	0.3
Tool size	O.D.tool size	mm	20X20
	I.D.tool size	mm	Φ25
Power unit		-	ER25
Head motor power		kw	3.1+0.75+2.4
Head speed		r/min	4000
Head clamping dia		mm	Φ16
Max tap dia		mm	M10
Machine power		kw	22
Machine G.W		kg	4800
Machine layout(LxXxH)		mm	2600X2020X2100

HMWTECH CO.,LTD

SLANT BED CNC LATHE/DOUBLE SPINDLE POWER TURRET TURN-MILL SERIES

Product Features

- 1.High precision, high rigidity, heavy load sleeve spindle.
- 2.Integral cast iron base, inclined bed, good rigidity, convenient operation and chip removal
- 3.High rigidity, high speed, high precision heavy-duty linear guide, precision ball screw.
- 4.Servo rotating turret is adopted, with high positioning accuracy, low failure rate, fast toolchange, tool change nearby, and the number of tools installed is not limited by the power head and the size of the workpiece.
5. Adopt servo main shaft, and with sub-spindle. The servo-powered rotary turret is equipped with side milling and end milling power heads, which improves the rigidity, stability and indexing accuracy of machining, thereby exerting excellent heavy-cutting processing ability. It can realize the spindle 360 degree arbitrary indexing and positioning, with side End facedrilling, tapping, and milling functions can complete the processing of more complex parts with high concentricity requirements in one clamping.



HM16ES



MAIN FUNCTIONAL UNIT

CNC system: Taiwan Syntec

Spindle parts: Domestic or Taiwan Posa

Secondary spindle: Domestic electric spindle

Spindle servo motor/Driver: Beijing CTB or Taiwan Syntec

X/Z axis servo motor/Driver: Taiwan Syntec or Yaskawa, Japan

X/Z axis ball screw: Taiwan PMI or Hiwin

X/Z axis linear guide: Taiwan PMI or Hiwin

Power unit: Taiwan precision gear-driven power unit

Power head servo turret: Taiwan Syntec or Yaskawa, Japan

Turret: Taiwan or domestic servo power turret

Website: <https://www.himcnc.com> Get-a-Quote email: info@harmonyworld.com

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MAIN TECHNIQUE PARAMETERS

Description		Unit	HM45ES
Swing over bed		mm	Φ580
Turning length		mm	300
Max rotary diameter on turret		mm	Φ330
Turning dia(disc-/axle)		mm	Φ280
Spindle/sub-spindle bore		mm	Φ56/Φ46
Spindle/sub-spindle bar capacity		mm	Φ45/Φ35
Spindle speed range		r/min	0-4000
Gear of spindle speeds		level	stepless
Spindle /sub-spindle nose		flange	A2-5/A2-4(Flange type)
Spindle /sub-spindle motor power		kw	5.5
Bed tana		linear measure	30
X-rapid speed		m/min	30
Z1/Z2-rapid speed		m/min	30
X-travel		mm	314
Z1/Z2-travel		mm	360/380
X/Z1/Z 2 axis servo turret machine power		kw	1.8
Re-accuracy	X-axis	mm	±0.0025
	Z1/Z2-axis	mm	±0.0025
Spindle /sub-spindle re-accuracy		mm	≅01
Standard tool type		-	Servo power turret
Max loading tools		Grasp pc	12
Tools indexing time		S	0.3
Tool size	O.D.tool size	mm	25X25
	1.D.tool size	mm	Φ32
Power unit		-	ER25
Head motor power		kw	3.1+0.75
Head speed		r/min	3000
Head clamping dia		mm	Φ16
Max tap dia		mm	M10
Machine power		kw	22
Machine G.W		kg	5500
Machine layout(LxXxH)		mm	2600X2000X2100