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CNC AUTOMATIC LATHE
STL SERIES

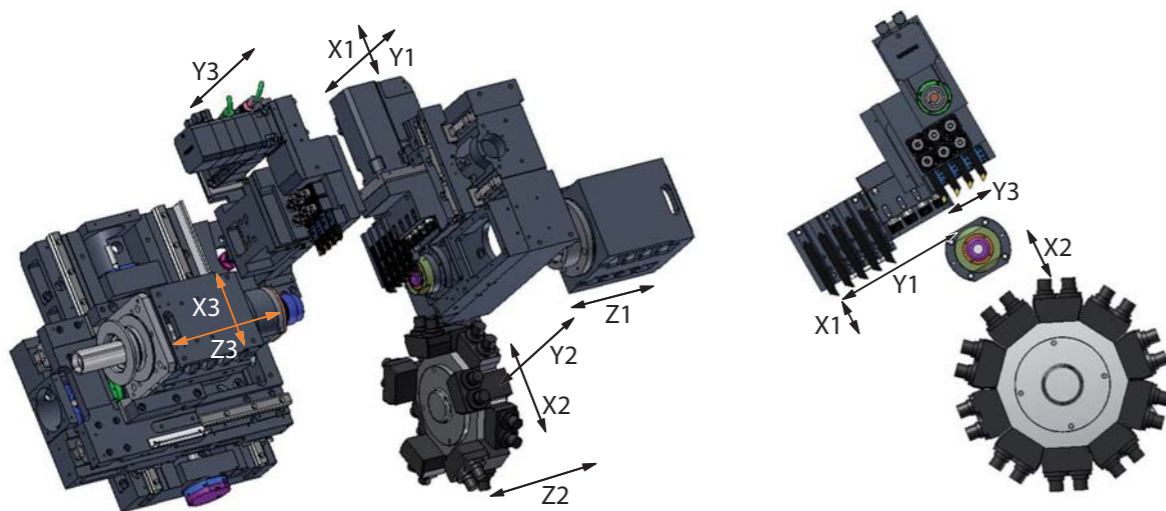
- STL 32H/35H/38H

- STL 45D

TURRET TYPE CNC AUTOMATIC LATHE



- 1 Separate cooling oil tank & chip conveyor
- 2 Powerful built-in motor(8.0kW) on Main & Sub spindle
- 3 Precaution of electronic turbulence due to separated controller & electronic part
- 4 Remote diagnosis function & system based on WINDOWS XP
- 5 Modular type cross drilling spindle enables to exchange tools
- 6 60° slant bed structure makes better chip discharge & cooling oil flow
- 7 Realizing to minimize the heat deformation by the forced cooling
- 8 Free position OP & pendant MPG as standard
- 9 Modular type back working tools and 90° angle holder(opt)



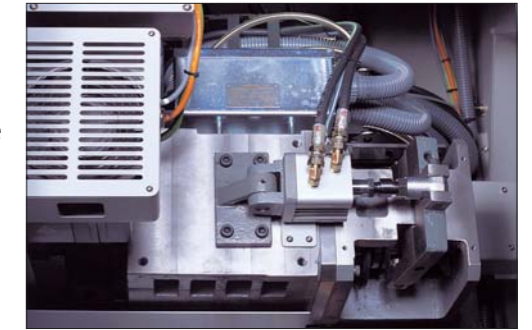
Stroke	Z1	Y1	X1	Z2	Y2	X2	Z3	Y3	X3
STL32H/35H/38H	320mm	295mm	60mm	120mm	100mm	115mm	320mm	NA	300mm
STL32H(Y3)/35H(Y3)/38H(Y3)	320mm	295mm	60mm	120mm	100mm	115mm	320mm	40mm	300mm

Please contact to Hanwha for more tool options

TURRET TYPE CNC AUTOMATIC LATHE

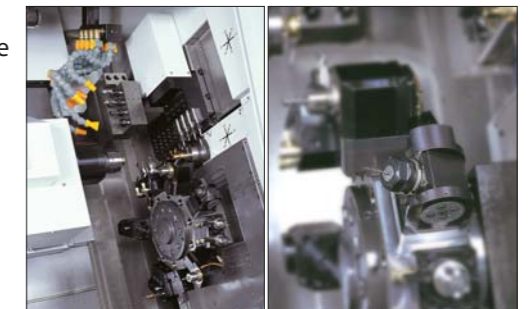
High power & rigidity

- The powerful built-in motor (8.0Kw) on Main & sub spindle
- Synchronous rotary guide bush unit rotated by spindle motor
- strong indexing and Cs contouring(0.001°) by hydraulic disk brake
- 3 paths control system
 - 1st group : Z1,X1,Y1,C1
 - 2st group : Z2,X2,C2,Y2
 - 3st group : Z3,X3,Y3,C3



Maximized the Tooling capabilities

- Turret indexing by servo motor enables to save tool changing time
- Rigid Tapping on All spindles enables to expand the range of working
- various special tools : polygonning, thread whirling and Angle adjustable driven tool etc.
- 10 stations Mill Turret



Conspicuous Conveniences

- Free position typed operation panel
- RS232C, outlet & pendant MPG as standard
- Turret spindle locates on Main spindle side for easy tooling and tool change (Center height : 1,050mm)
- Detachable Sliding Door for convenient and easy maintenance



SIEMENS SINUMERIK 840D

- WINDOWS XP and 10.4" color LCD display
- Overload tool monitoring system (Option)
- Contribute to save tooling time and improve productivity by dialogic programming
- Motor best-suited, monitoring and 3D working simulation function as standard
- Data protection system by Flash card and Hard Disk



SPECIFICATION

MODEL		STL32H/35H/38H	STL32H(Y3)/35H(Y3)/38H(Y3)	
NC		SEIMENS840D	SEIMENS840D	
Max Turning Ø in Main		Ø32/35/38 mm	Ø32/35/38 mm	
Max Chucking Ø in Sub		Ø32/35/35 mm	Ø32/35/35 mm	
(Z1) / (Y1) / (X1) Stroke		320 / 295 / 60 mm	320 / 295 / 60 mm	
(Z2) / (Y2) / (X2) Stroke		120 / 100 / 115 mm	120 / 100 / 115 mm	
(Z3) / (Y3) / (X3) Stroke		320 / NA / 300 mm	320 / 40 / 300 mm	
Tool	OD TOOL	5 EA [□16]	5 EA [□16]	
	CROSS TOOL	4 EA	4 EA	
	() Option	BACK TO OL	4 EA [4 Fixed]	8 EA [4 Fixed, 4 Driven]
	TURRET	10 stations [6 Fixed, 4 Driven]	10 stations [6 Fixed, 4 Driven]	
Main Spindle	rpm	8,000 rpm	8,000 rpm	
Motor	power	8 Kw	8 Kw	
Sub Spindle	rpm	7,000 rpm	7,000 rpm	
Motor	power	8 Kw	8 Kw	
Guide Bush	rpm	8,000 rpm	8,000 rpm	
Motor	power	3.6 Kw	3.6 Kw	
Cross Tool	rpm	6,000 rpm	6,000 rpm	
Motor	power	1.6 Kw	1.6 Kw	
Back Tool	rpm		6,000 rpm	
Motor	power		1.6 Kw	
Machine Weight		4,400 / 4,500 / 4,600 Kg	4,500 / 4,600 / 4,700 Kg	
Power Consumption (Cable Size)		40 KVA (Min 6 SQ)	40 KVA (Min 6 SQ)	
Air Flow Rate		20~30 Liter / Min	20~30 Liter / Min	

All specifications are subject to change without notice

STANDARD

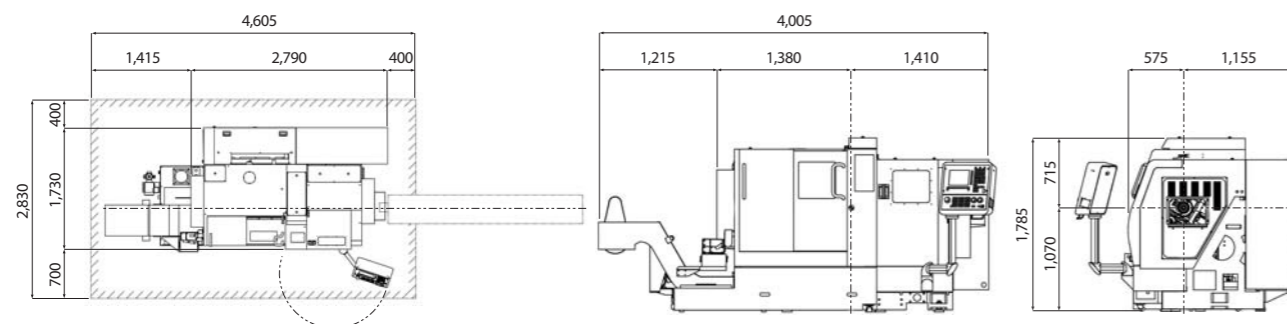
- FULL C - AXIS CONTROL ON MAIN
- FULL C - AXIS CONTROL ON SUB
- DOOR INTERLOCK
- SIGNAL LAMP(3 COLOR)
- MPG
- PART CONVEYOR

OPTION

- Y3 AXIS (ROTARY BACK WORKING TOOLS)
- CHIP CONVEYOR
- SPARE M CODE KIT
- PIPE TYPE EJECTION UNIT
- ADDITIONAL 1 PIPE SET FOR EJECTION UNIT
- TOOL HOLDERS FOR TURRET AND CROSS DRILL
- HIGH PRESSURE PUMP
- BAR FEEDER

DIMENSIONS

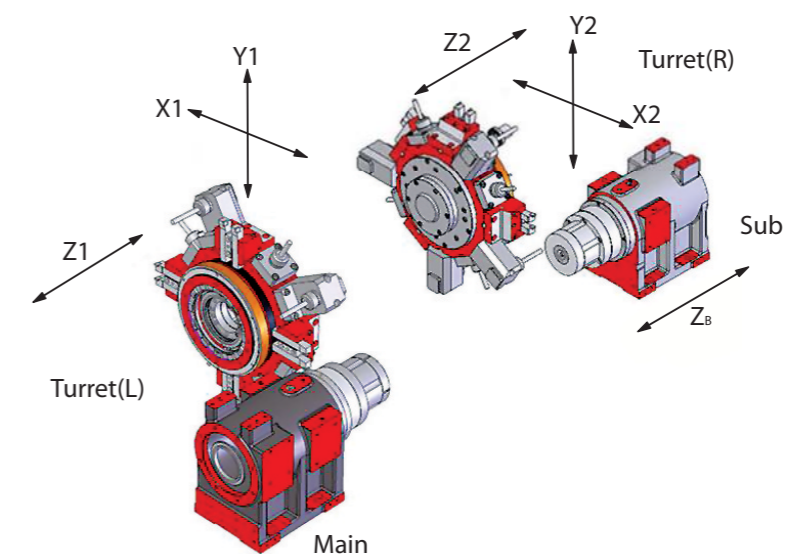
(Unit : mm)



Process-intensive type multifunctional model of 2Turret & 2 spindle



- 1 Mutual compatibility of main / sub spindle collet chuck and jaw chuck
- 2 High pressure coolant leakage controlled and chip drawn off smoothly with horizontal bed type structure
- 3 Remote diagnosis function & system based on WINDOWS XP
- 4 Separate measurement equipment of tool offset used for both main & sub
- 5 Both water solubility or non water solubility type coolant can be applied
- 6 Separate structure of Turret index & Mill Motor
- 7 pendant MPG as standard

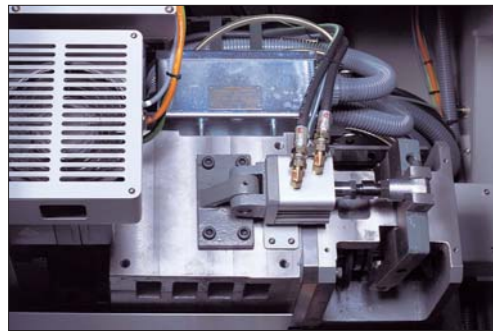


Stroke	Z1	Y1	X1	Z2	Y2	X2	Z _B
STL45D	250mm	80mm	185mm	250mm	80mm	185mm	726mm

Please contact to Hanwha for more tool options

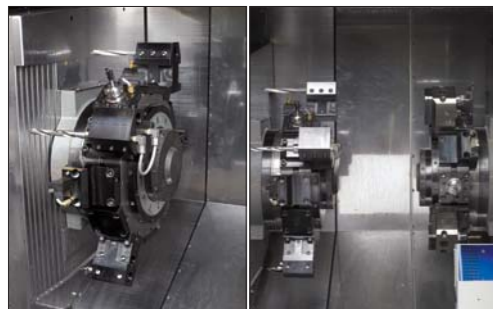
CNC Swiss Style Turning Centers

9- AXIS CNC LATHE



High power & rigidity

- The powerful built-in motor on main & sub spindle
 - SIEMENS : Main 9kW/Sub 5.5kW
 - FANUC : Main 11kW/Sub 7.5kW
- Strong clamping and Cs contouring by hydraulic disk brake
- 2 paths control system
 - 1st group : Z1,X1,Y1,Main Spindle
 - 2nd group : Z2, X2,Y2 ZB, Sub Spindle



Maximized the Tooling capabilities

- Fast mutual response by Two motor
- Various special tools : Polygonning, Thread Whirling and Angle adjustable driven tool, gear hobbing etc.
- Powerful cutting by adopting BMT – 55 holder
- 12 Stations Mill turret



Conspicuous Conveniences

- Free position typed operation panel
- RS232C, outlet & pendant MPG as standard
- Turret spindle locates on Main spindle side for easy tooling and tool change (Center height : 1,120mm)
- Detachable Sliding Door for convenient and easy maintenance



SIEMENS SINUMERIK 840D / FANUC 31i-A

- WINDOWS XP and 10.4" color LCD display
- Overload tool monitoring system (Option)
- Contribute to save tooling time and improve productivity by dialogic programming
- Motor best-suited, monitoring and 3D working simulation function as standard
- Data protection system by Flash card and Hard Disk

STL45D

SPECIFICATION

MODEL		STL45D	STL45D
NC		SEIMENS840D	FANUC 31i-A
Max Turning Ø in Main		Ø45 mm	Ø45 mm
Max Chucking Ø in Sub		Ø45 mm	Ø45 mm
(Z1)(Z2) Stroke	Fix GB	250 mm	250 mm
(Z2) / (Y2) / (X2) Stroke		185 mm	185 mm
(Z3) / (Y3) / (X3) Stroke		80 mm	80 mm
Zs stroke		726 mm	726 mm
Main Spindle	rpm	6,000 rpm	6,000 rpm
Motor	power	9 Kw	7.5/11 Kw
Sub Spindle	rpm	5,000 rpm	5,000 rpm
Motor	power	5.5 Kw	5.5/7.5 Kw
Turret(Main/Sub)	rpm	6,000 rpm	6,000 rpm
Motor	power	2.2 Kw	2.2 Kw
Turret(Main/Sub)	Stations	12 stations	12 stations
Turret(Main/Sub) Driven Tool	Max Drilling Ø	Ø 12 mm	Ø 12 mm
	Max Tapping M	M8	M8
	Max Milling Ø	Ø 12 mm	Ø 12 mm
Turret(Main) Fixed Tool	Max Drilling Ø	Ø 18 mm	Ø 18 mm
	Max Tapping M	M18	M18
	Max Milling Ø	Ø 18 mm	Ø 18 mm
Turret(Sub) Fixed Tool	Max Drilling Ø	Ø 12 mm	Ø 12 mm
	Max Tapping M	M12	M12
	Max Milling Ø	Ø 12 mm	Ø 12 mm
Machine Weight		6,200 Kg	6,200 Kg
Power Consumption (Cable Size)		20 KVA (Min 6 SQ)	20 KVA (Min 6 SQ)
Air Flow Rate		20~30 Liter / Min	20~30 Liter / Min

All specifications are subject to change without notice

STANDARD

- HYDRAULIC BRAKE ON MAIN
- HYDRAULIC BRAKE ON SUB
- SPRING EJECTOR
- CHIP CONVEYOR
- PRODUCT CONVEYOR
- MPG(4 AXIS)
- FLOW SENSOR
- HEAVY PUMP UNIT

OPTION

- Bar feeder
- Foot S/W
- M-CODE Air blow
- 3 Jaw Power Chuck
- Gantry loader
- Oil sikmmer

DIMENSIONS

(Unit : mm)

