



LIHAITEC
LIHAITEC ENTERPRISE CO.,LTD.



www.lihaitec.com

otomat / Eziturn / Eziturn⁺

The best choice

of the **automatic precision lathe**

Solve the problem of staff shortage ↖



LIHAITEC

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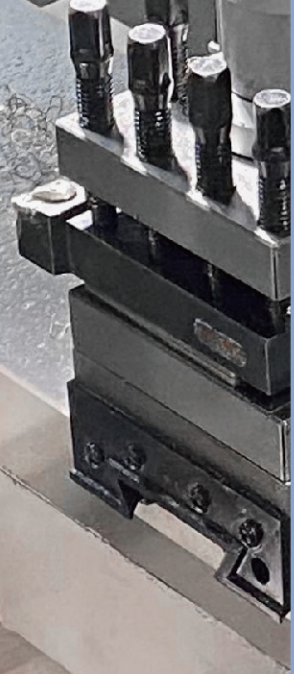
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otomat
Series

OT-470T
OT-520T
OT-560T
OT-660T

Ezitur

Ezitur+

Series




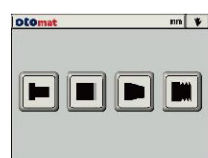

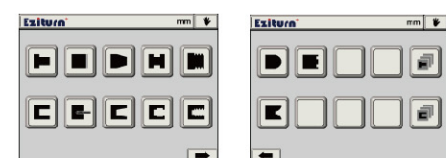
ST-360 ST-660
ST-470 ST-770
ST-520 ST-840
ST-460 ST-1070
ST-540 ST-1270
ST-560 ST-1300
ST-630 ST-1600

● Standard ○ Option × No Function

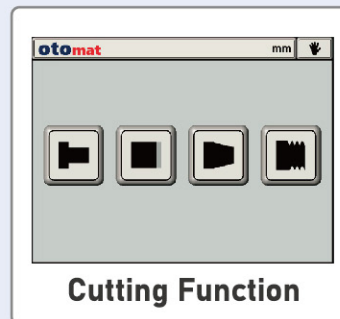
Control Function

	otomat	Ezitur	Ezitur+	
Single Function (Auto)	Turning -Ext./Int.	● (Ext.)	●	●
	Facing -Ext./Int.	●	●	●
	Taper -Ext./Int.	● (Ext.)	●	●
	Grooving -Ext./Int.	×	●	●
	Threading(mm/inch) -Ext./Int.	● (Ext.)	●	●
	Taper Threading (mm/inch)-Ext./Int.	×	●	●
	Radius -Ext./Int.	×	●	●
	Face Grooving	×	●	●
Profile Link Function	Drilling	×	●	●
	Turning -Ext./Int.	×	×	●
	Facing -Ext./Int.	×	×	●
	Taper -Ext./Int.	×	×	●
	Grooving -Ext./Int.	×	×	●
	Threading (mm/inch) -Ext./Int..	×	×	●
	Taper Threading (mm/inc)-Ext./Int.	×	×	●
	Radius -Ext./Int.	×	×	●
Aux. Function	Tools changing position setting	●	●	●
	Tool offset setting	●	●	●
	Face trimming	●	●	●
	Rough / Finish cutting setting	●	●	●
	Coolant follow with program	●	●	●
	Metric / Inch display	●	●	●
	Diameter / Radius read out	●	●	●
	Datum point position setting	●	●	●
	Automatic lubrication system	○	●	●
	I / O Check screen	●	●	●
	Portable MPG hand wheel	×	●	●
	MPG Control of the program run	×	●	●
	Program storage capacity (30 sets/mode)	●	●	●
	USB storage	×	×	●
	CSS	×	●	●
	Option Function	Repair thread	×	×
Reverse cutting (from spindle to tail stock)		×	●	●
Multi threads		×	×	×
CAM input		×	×	×
G / M code edit		×	×	×
Accessories	Electric 4 way toolpost	×	○	○
	Hydric Chuck	×	○	○
	Hydric tailstock	×	○	○
	6 / 8 tools turret	×	×	○
	Portable MPG hand wheel	×	○	○

SPECIFICATION

	otomat	Ezitur	Ezitur+
Graph			
Screen			
Spect.	8" Touch screen X / Z Servo motor	8" Touch screen X / Z Servo motor	10" Touch screen X / Z Servo motor
Std.	1. Conventional headstock 2. Conventional gear box 3. Conventional apron 4. X/Z Leadscrew 5. Safety hand wheel 6. Manual 4 way toolpost	1. Manual spindle speed change 2. MPG. 3. X / Z Ball screw 4. Z ball screw cover 5. Manual 4 way toolpost 6. Auto Lubrication	1. Inverter Spindle motor 2. MPG 3. X / Z Ball screw 4. Manual 4 way toolpost 5. Full guarding 6. Auto Lubrication 7. Work light 8. Coolant system 9. Auto speed changer
Opt.	1. Quick change toolpost 2. Lead screw cover 3. Rear splash guard 4. Chuck guard 5. Toolpost guard 6. Work light 7. Coolant system 8. Auto Lubrication	1. Inverter Spindle motor 2. Quick change toolpost 3. Electric 4 way toolpost 4. 10" Touch screen 5. Rear splash guard 6. Chuck guard 7. Toolpost guard 8. Work light 9. Coolant system 10. Auto speed changer 11. Portable MPG.	1. Quick change toolpost 2. Electric 4 way toolpost 3. Turret toolpost - 8T 4. Portable MPG. 5. Coolant tank

- The best partner for the automation of conventional lathe machine
- Automatic cutting with axial servo control system
- Maintains the operating mode of a conventional lathe
- Easy to learn and use
- Touch screen
- Provide coordinate display function in manual mode
- No need to install Taper turning attachment.



Easy Operate



Calculator Helper



Standard accessories

- Centers
- Tools and tool box
- Operate manual and parts list
- 4 way tool post

Optional accessories

- 3 Jaw scroll chuck
- 4 Jaw independent chuck
- Face plate
- Steady rest
- Follow rest
- Work light
- Change gears for D.P and module thread
- Auto lubrication
- Chuck guard
- Rear splash guard
- Quick change tool post
- Chip guard
- Coolant system



Steady Rest



Chuck Guard

ITEM		OT-470T	OT-520T	OT-560T	OT-660T
Swing Over Bed	mm	470 (19")	520 (21")	560 (22")	660 (26")
Swing Over CrossSlide	mm	280	330	340	440
Distance between Centers	mm	560/1000/1500/2000		1000/1500/2000	
Swing Over Gap	mm	690	740	788	890
Bed Width	mm	300		350	
Spindle Nose		A1-6 (A1-8 D1-6 D1-8 Opt.)		A2-8 (D1-8 Opt.)	
Spindle Bore diameter	mm	Φ58 (Φ80 Opt.)		Φ85 (Φ105 Opt.)	
Taper of Spindle Bore		MT 6 (MT 7 Opt.)		MT7	
Spindle Speed	rpm	20-2000 rpm(12 Steps), 40-2000 rpm		15-1500rpm(12 Steps) / 14-1380 rpm	
Inch Threads Range	TPI	4-56 TPI		2-56 TPI	
Metric Threads Range	mm	P0.5-P7		P0.5-P14	
Longitudinal Feed Rate	mm	0.05-0.8		0.05-0.8	
Cross Feed Rate	mm	0.02-0.36		0.02-0.36	
Leadscrew Diameter	mm	35		38	
Leadscrew Pitch		4 TPI or 6mm			
Taper of Tailstock Quill		MT4		MT5	
Travel of Tailstock Quill	mm	150		190	
Tailstock Quill Diameter	mm	68		75	
Main Drive Motor	HP	5 (7.5 Opt.)		7.5 (10 Opt.)	
Coolant Pump	HP	1/8			
Compound Slide Travel	mm	125		200	
Cross Slide Travel	mm	250	275	350	

Servo Automatic Single Function Lathe

- X / Y Axis with ballscrew
- Automatic cutting with axial servo control system
- Automatic cutting of external or internal single function
- Easy to learn and use
- Touch screen



Standard accessories

- Centers
- Tools and tool box
- Operate manual and parts list
- 4 way tool post
- Auto lubrication

Optional accessories

- 3 Jaw scroll chuck
- 4 Jaw independent chuck
- Face plate
- Steady rest
- Follow rest
- Work light
- Chuck guard
- Rear splash guard
- Quick change tool post
- Chip guard
- Coolant system
- Coolant tank

▼ Steady Rest



▼ Chuck Guard

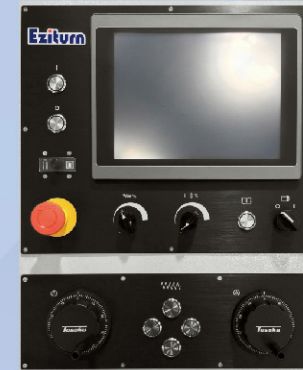


▼ Auto Lub. Pump



▼ Coolant System

Intuitive Intelligent Touch Screen Control System

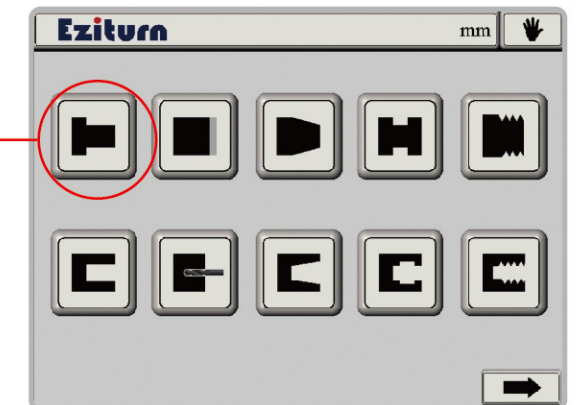
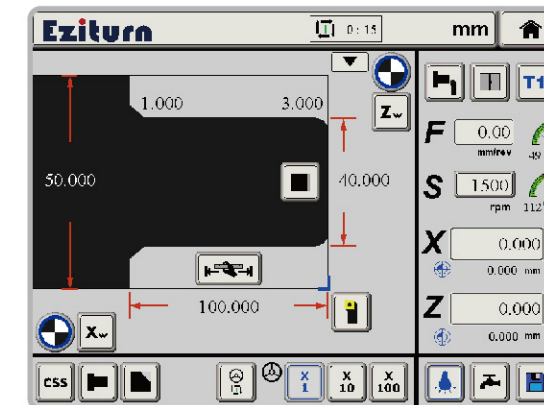
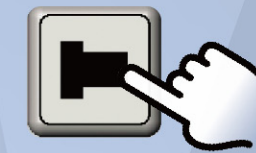


Control system feature :

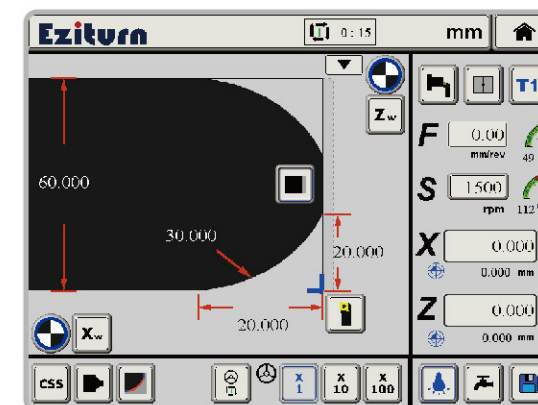
1. Full automatic cutting function , modal setting.
2. Intuitive graphic input.
3. Simple edit and setting profile cutting function.
4. No need learning CNC program edit and CAD software.
5. Can store program.

Cutting Data

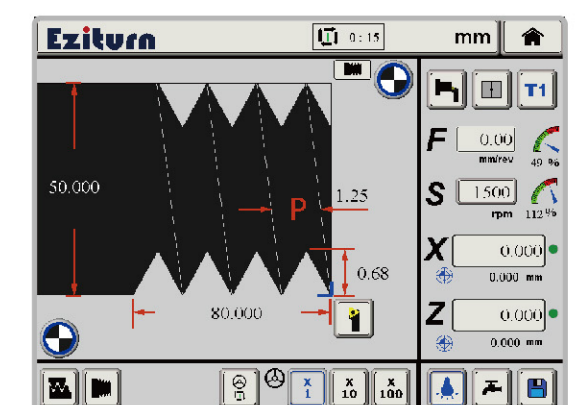
F	0.18 mm/rev	0.10 mm/rev
S	1000 rpm	1200 rpm
T	1	2
Δ	0.500 mm	0.100 mm



Radius Cutting



Threading



Eziturm⁺

Servo Automatic Advanced Lathe

Bridge the gap between Conventional and CNC Turning machine

Standard accessories

- Spindle drive by inverter
- MPG. Handle wheel
- X / Z axis ballscrew
- 4 way toolpost
- Full guarding
- Auto lubrication
- Work light

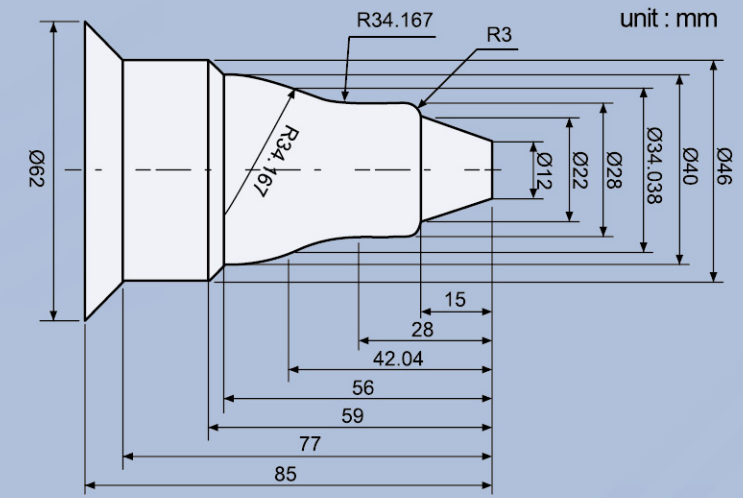
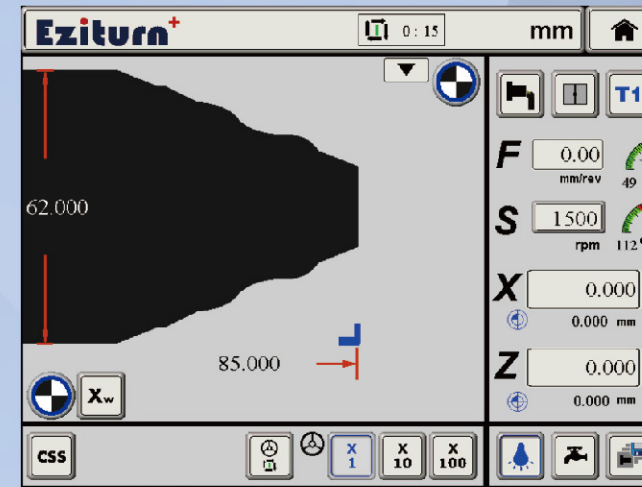
Optional accessories

- Quick change toolpost
- Electric 4 way toolpost
- Servo 8T Turret
- Portable MPG.
- Coolant tank

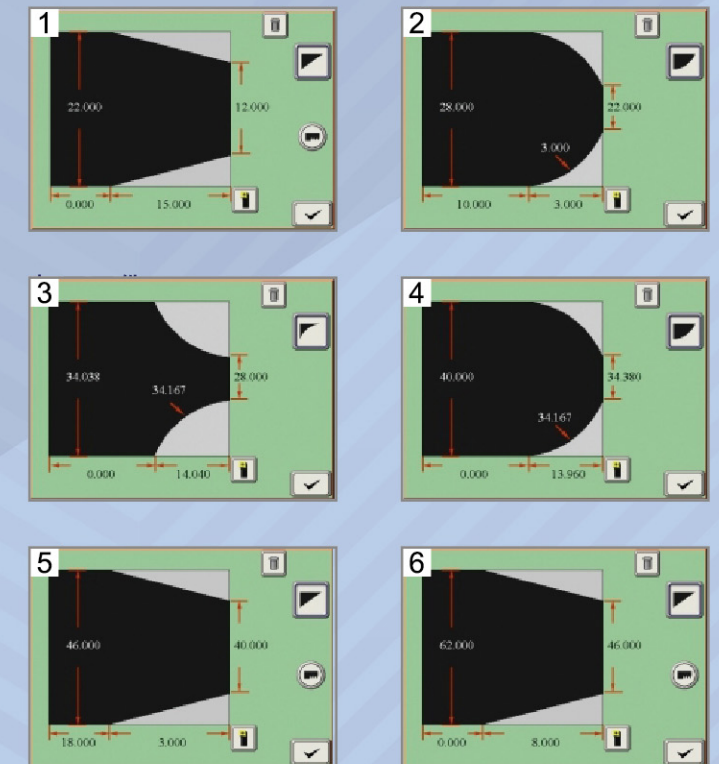
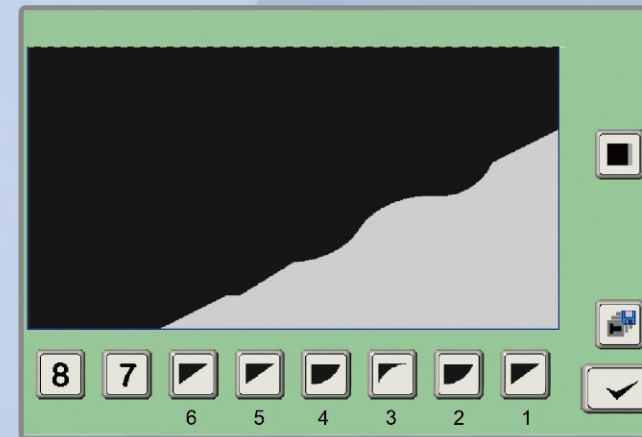


STRONG AND EASY OPERATE CONTROL SYSTEM

Profile cutting function



Max. 8 segments graphics to connect



Ezitur Ezitur+

Intuitive Intelligent Touch Screen Control System

Simple operate interface can easy instead the conventional lathe.
Solve the problem of staff shortage



ITEM		ST-360	ST-470	ST-520	ST-460	ST-540	ST-560
Swing Over Bed	mm	360 (14")	470 (19")	520 (21")	460 (18")	540(21")	560 (22")
Distance between Centers ^{mm}		1000	560/1000/1500/2000		1000/1500/2000		
Swing over cross slide	mm	225	280	330	230	310	340
Bed width	mm	190	300		350		
Spindle type		D1-4	A1-6 , D1-6 (D1-8)		D1-6	D1-8 (A1-11) A2-8 (D1-8)	
Spindle bore	mm	Φ40	Φ58 (Φ80)		Φ56	Φ85 (Φ105)	
Spindle taper		MT 5	MT 6 (MT 7)		MT5		MT7
Spindle speed	rpm	H:300-2200 L:36-300	H:181-2000 L:20-180		H:681-3100 M:153-680 L:33-152	H:491-2250 (H:331-1500) M:126-490 (M:93-330) L:27-125 (L:20-92)	
Spindle drive							
Tailstock quill diameter	mm	Φ40	Φ68		Φ75		
Tailstock quill travel	mm	100	150		170	190	
Tailstock quill taper	mm	MT 3	MT 4		MT5		
X Axis rapid feed rate	M/min				10		
Z Axis rapid feed rate	M/min				10		
X Axis ball screw	mm	Φ20 , P5 C5	Φ20 , P5 C5		Φ25 , P5 C5		
Z Axis ball screw	mm	Φ32 , P5 C5	Φ38 , P10 C5		Φ40 , P10 C5		
X Axis travel	Mm	165	250	275	280	350	
Z Axis travel	Mm	900	500/900/1400/1900		900/1400/1900		
Spindle motor	HP	3	7.5 (10)		10 (15)		

ST-630	ST-660	ST-770	ST-840	ST-1070	ST-1270	ST-1300	ST-1600
630 (25")	660 (26")	770(30")	840(33")	1070(42")	1270(50")	1300(51")	1600(63")
1000/1500/2000	1000/1500/2000/ 3000/4000/5000	1500/2000/3000/4000/5000		1500/2000/3000/4000/5000/6000			
400	440	500	570	744	944	900	1200
350	350 (450 Opt.)	450		610		770	
D1-8 (A1-11 Opt.)	A2-8 (D1-8 A2-11 Opt.)	A2-11		A2-11 (A2-15 Opt.)	A2-11 (A2-15 A2-20 A2-28 Opt.)		
Φ85 (Φ105 Opt.)	Φ85	Φ105 (Φ155 Opt.)		Φ155 (Φ23 Opt.)	Φ155 (Φ230 Φ305 Φ410 Opt.)		
MT5	MT7 (MT6 Opt.)	MT5		MT6			
H:491-2250 (H:331-1500) M:126-490 (M:93-330) L:27-125 (L:20-92)	H: 136-1380 (H:491-2250) (M:126-490)	H:331-1500 (H:176-800)		H:151-750 (H:111-560)	H:151-750 (H:111-560)	H:54-270	H:43-215
		M:93-330 (M:53-175)		M:31-150 (M:21-110)	M:31-150 (M:21-110)	M:11-53	M:9-42
	L: 15-135 (L:27-125)	L:20-92 (L:11-52)		L:6-30 (L:4-20)	L:6-30 (L:4-20)	L:2-10	L:1.5-8
Inverter							
	Φ75	Φ105		Φ165			
170	190	220		300			
	MT 5		MT6				
				10			
				10			
	Φ25 , P5 C5		Φ28 , P5 C5		Φ40 , P8 C5		
	Φ40 , P10 C5		Φ50 , P10 C5		Φ80 , P16 C5		
	350		450		580	680	830
900/1400/1900	900/1400/1900/2900/3900/4900	1400/1900/2900/3900/4900		1400/1900/2900/3900/4900/5900			
10 (15 Opt.)	10 (15 20 Opt.)	15 (20 Opt.)		20 (30 40 Opt.)			

Flat Bed Lathe

Intuitive Touch Screen Smart Lathe

Eziturn



SPECIFICATION

ITEM	MODEL	UNIT	MODEL		
			AC1720H	AC1730H	AC1740H
Swing over bed		mm	430 (17")		
Between center		mm	500	750	1000
Swing over saddle		mm	230		
Bed width		mm	300		
Spindle nose			A1-6		
Spindle bore		mm	Ø58		
Taper of spindle bore			MT4		
Max. spindle speed		rpm	H:613-3100 L:121-612		
Control of spindle		steps	Inverter control		
Quill dia. of tailstock		mm	Ø58		
Quill travel of tailstock		mm	160		
Taper of tailstock center			MT4		
Longitudinal feeds range		M/min	10		
Cross feeds range		M/min	10		
X axis ball screw		mm	Ø25, P5 C5		
Z axis ball screw		mm	Ø40, P10 C5		
Longitudinal travel		mm	250		
Cross travel		mm	300	550	800
Spindle motor		kw/hp	5.5KW/7.5HP (Opt. 7.5KW/10HP)		
Floor space (LxWxH)		mm	1850/1700/1900	2050/1700/1900	2300/1700/1900
Net weight		kgs	1900	2200	2500

SPECIFICATION

ITEM	MODEL	UNIT	MODEL		
			ST1840H	ST1860H	ST1880H
Swing over bed		mm	460 (18")		
Between center		mm	1000	1500	2000
Swing over saddle		mm	230		
Bed width		mm	350		
Spindle nose			D1-6		
Spindle bore		mm	Ø56		
Taper of spindle bore			MT5		
Max. spindle speed		rpm	H:681-3100	M:153-680	L:33-152
Control of spindle		steps	Inverter control		
Quill dia. of tailstock		mm	Ø75		
Quill travel of tailstock		mm	170		
Taper of tailstock center			MT5		
Longitudinal feeds range		M/min	10		
Cross feeds range		M/min	10		
X axis ball screw		mm	Ø25, P5 C5		
Z axis ball screw		mm	Ø40, P10 C5		
Longitudinal travel		mm	280		
Cross travel		mm	800	1300	1800
Spindle motor		kw/hp	5.5KW/7.5HP (Opt. 7.5KW/10HP)		
Floor space (LxWxH)		mm	2720/1760/1910	3220/1760/1910	3720/1760/1910
Net weight		kgs	2900	3200	3500

Flat Bed Lathe

Intuitive Touch Screen Smart Lathe

Eziturn



SPECIFICATION

ITEM \ MODEL	UNIT	ST2140H	ST2160H	ST2180H
Swing over bed	mm	540 (21")		
Between center	mm	1000	1500	2000
Swing over saddle	mm	310		
Bed width	mm	350		
Spindle nose		D1-8, (Opt. A1-11)		
Spindle bore	mm	Ø85(3"), Opt. Ø105(4")		
Taper of spindle bore		MT5		
Max. spindle speed	rpm	H : 491-2250		H : 331-1500
		M : 126-490		M : 93-330
		L : 27-125		L : 20-92
Control of spindle	steps	Inverter control		
Quill dia. of tailstock	mm	Ø75		
Quill travel of tailstock	mm	170		
Taper of tailstock center		MT5		
Longitudinal feeds range	M/min	10		
Cross feeds range	M/min	10		
X axis ball screw	mm	Ø25, P5 C5		
Z axis ball screw	mm	Ø40, P10 C5		
Longitudinal travel	mm	350		
Cross travel	mm	800	1300	1800
Spindle motor	kw/hp	7.5KW/10HP (Opt. 11KW/15HP)		
Floor space (LxWxH)	mm	2720/1760/1910	3220/1760/1910	3720/1760/1910
Net weight	kgs	3100	3400	3700

SPECIFICATION

ITEM \ MODEL	UNIT	ST2540H	ST2560H	ST2580H
Swing over bed	mm	630 (25")		
Between center	mm	1000	1500	2000
Swing over saddle	mm	400		
Bed width	mm	350		
Spindle nose		D1-8, (Opt. A1-11)		
Spindle bore	mm	Ø85(3"), Opt. Ø105(4")		
Taper of spindle bore		MT5		
Max. spindle speed	rpm	H : 491-2250		H : 331-1500
		M : 126-490		M : 93-330
		L : 27-125		L : 20-92
Control of spindle	steps	Inverter control		
Quill dia. of tailstock	mm	Ø75		
Quill travel of tailstock	mm	170		
Taper of tailstock center		MT5		
Longitudinal feeds range	M/min	10		
Cross feeds range	M/min	10		
X axis ball screw	mm	Ø25, P5 C5		
Z axis ball screw	mm	Ø40, P10 C5		
Longitudinal travel	mm	350		
Cross travel	mm	800	1300	1800
Spindle motor	kw/hp	7.5KW/10HP (Opt. 11KW/15HP)		
Floor space (LxWxH)	mm	2720/1760/1910	3220/1760/1910	3720/1760/1910
Net weight	kgs	3200	3500	3800

Flat Bed Lathe

Intuitive Touch Screen Smart Lathe



SPECIFICATION

ITEM	MODEL	UNIT	ST	ST	ST	ST	ST
			3060H	3080H	30120H	30160H	30200H
Swing over bed	mm		770 (30")				
Between center	mm		1600	2100	3100	4100	5100
Swing over saddle	mm		500				
Bed width	mm		450				
Spindle nose			A2-11				
Spindle bore	mm		Ø105(4"), Opt.Ø155(6")				
Taper of spindle bore			MT5				
Max. spindle speed	rpm		H : 331-1500		H : 176-800		
			M : 93-330		M : 53-175		
			L : 20-92		L : 11-52		
Control of spindle	steps	Inverter control					
Quill dia. of tailstock	mm		Ø105				
Quill travel of tailstock	mm		220				
Taper of tailstock center			MT5				
Longitudinal feeds range	M/min		10				
Cross feeds range	M/min		10				
X axis ball screw	mm		Ø28, P5 C5				
Z axis ball screw	mm		Ø50, P10 C5				
Longitudinal travel	mm		450				
Cross travel	mm		1500	2000	3000	4000	5000
Spindle motor	kw/hp		11KW/15HP,(Opt.15KW/20HP)				
Floor space	L	mm	3810	4310	5310	6310	7310
	WxH	mm	2120/1840				
Net weight	kgs		4300	4800	5800	6800	7800

SPECIFICATION

ITEM	MODEL	UNIT	ST	ST	ST	ST	ST
			3360H	3380H	33120H	33160H	33200H
Swing over bed	mm		840 (33")				
Between center	mm		1600	2100	3100	4100	5100
Swing over saddle	mm		570				
Bed width	mm		450				
Spindle nose			A1-11, (Opt. A2-11 A2-15 A2-20)				
Spindle bore	mm		Ø105(4"), Opt.Ø155(6"), Ø230(9"), Ø250(10"), Ø305(12")				
Taper of spindle bore			MT5				
Max. spindle speed	rpm		H : 331-1500	H : 176-800	H : 108-450	H : 87-350	
			M : 93-330	M : 53-175	M : 31-107	M : 26-86	
			L : 20-92	L : 11-52	L : 7-30	L : 6-25	
Control of spindle	steps		Inverter control				
Quill dia. of tailstock	mm		Ø105				
Quill travel of tailstock	mm		220				
Taper of tailstock center			MT5				
Longitudinal feeds range	M/min		10				
Cross feeds range	M/min		10				
X axis ball screw	mm		Ø28, P5 C5				
Z axis ball screw	mm		Ø50, P10 C5				
Longitudinal travel	mm		450				
Cross travel	mm		1500	2000	3000	4000	5000
Spindle motor	kw/hp		11KW/15HP (Opt. 15KW/20HP)				
Floor space	L	mm	3810	4310	5310	6310	7310
	WxH	mm	2120/1840				
Net weight	kgs		4500	5000	6000	7000	8000