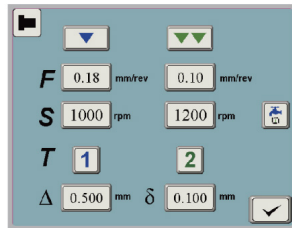




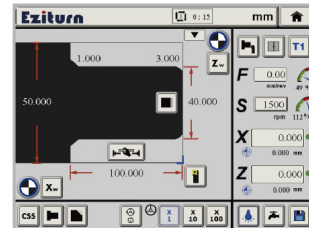
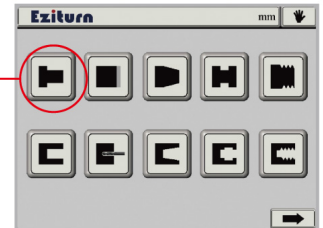
LIHAITEC
立海企業有限公司

World's First · Intuitive Touch Control
Simplicity Is the Advantage



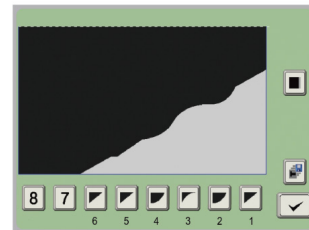
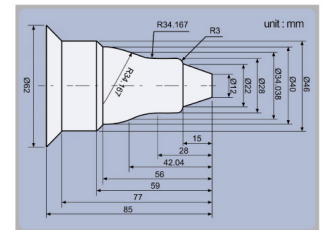
Easy Machining Cutting Condition Setup

Select different tools to complete machining in a single operation cycle.



No CNC Experience Required — No G/M Code Learning

Easy-to-understand direct touch interface and no need for inclined attachments, taper and circular machining can be completed effortlessly



Step Profile Machining — Multiple Cuts in One Operation Cycle

- Supports up to 8 connected profile segments
- Multiple composite processes can be completed simultaneously (including grooves, tapers, chamfers, and more)



Key Features

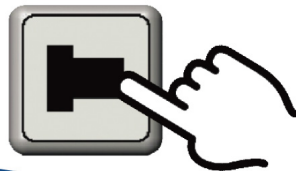
1. Upgrade conventional manual lathes to simplified automatic operation
2. Effectively solves labor shortage and manpower issues
3. Intuitive touch interface, easy and fast to learn
4. Fully graphical operation — no CNC programming experience required
5. Simple three steps setup enables automatic machining
6. Ideal solution for automated conventional lathes

Built-In Machining Functions

Supports common operations such as:

External & internal diameter turning
Facing / Grooving / Drilling
Circular profiles / Taper cutting

One-Touch Operation for Effortless Machining



**Smart Manufacturing
Solving Labor Shortage Challenges**



Ezimill
Ezimill+
Series



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Ezturn
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LIHAITEC
LIHAITEC ENTERPRISE CO., LTD

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Address: No. 36-2, Minquan Rd., Shengang Dist., Taichung City 42948, Taiwan (R.O.C)
Tel: +886-4-2561-0725 | Fax: +886-4-2561-0726 | E-mail: lihaitec@gmail.com



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otomat / Eziturn / Eziturn⁺

The best choice
of the **automatic precision lathe**

Solve the problem of staff shortage ↗



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e-mail: lihaitec@gmail.com



Ezturn

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

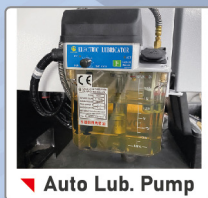
Optional accessories

- 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

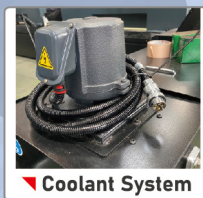
Steady Rest



▼ Chuck Guard



▼ Auto Lub. Pump



▼ Coolant System



Intuitive Intelligent Touch Screen Control System

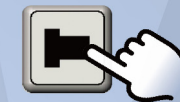
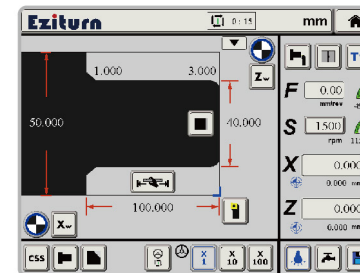
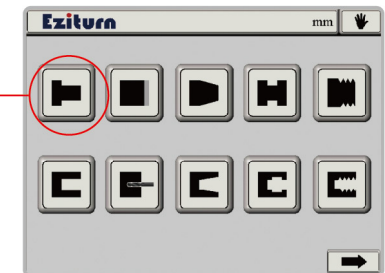


Control system feature :

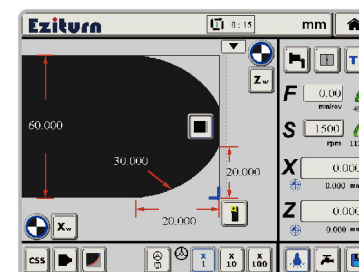
1. Full automatic cutting function , modal setting.
2. Intuitive graphic input.
3. Simple edit and setting profile cutting function.
4. No need learning CNC program edit and CAD software.
5. Can store program.

Cutting Data

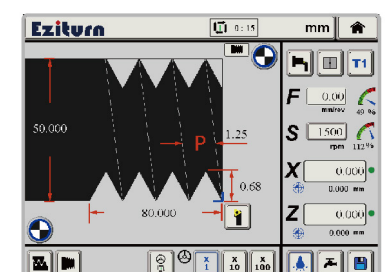
F	0.18	mm/rev	0.10	mm/rev
S	1000	rpm	1200	rpm
T	1		2	
Δ	0.500	mm	0.100	mm



Radius Cutting



Threading



Ezitur⁺

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

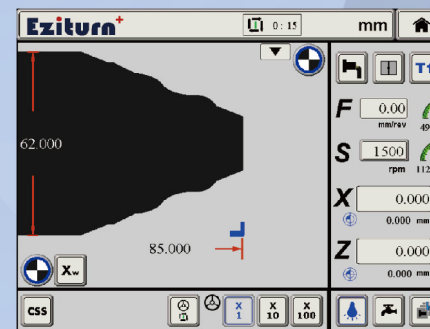
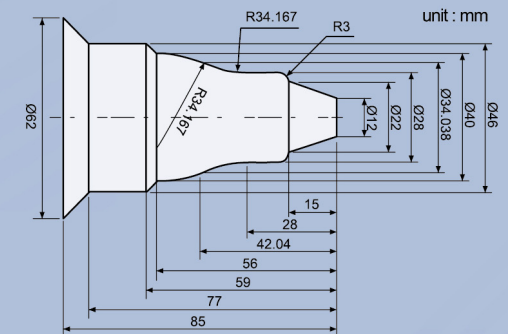
Optional accessories

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

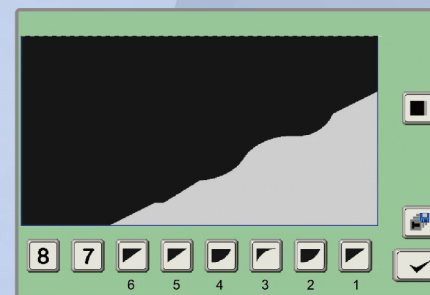
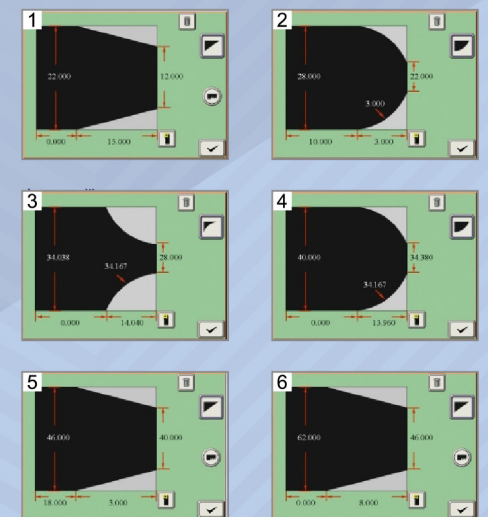


STRONG AND EASY OPERATE CONTROL SYSTEM

Profile cutting function



Max. 8 segments graphics to connect



Ezitur Ezitur+

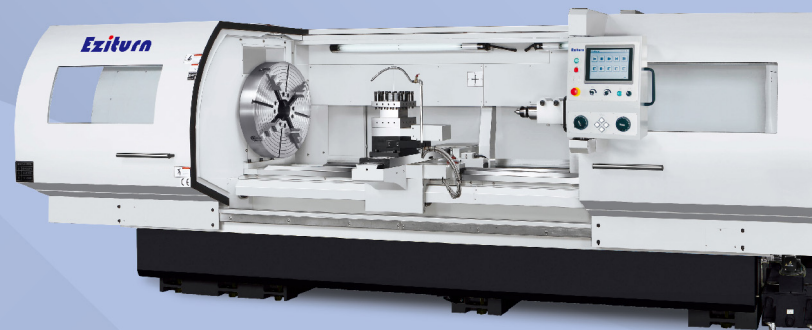
Intuitive Intelligent Touch Screen Control System

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)	Φ85
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)	H:136-1380 L:15-135
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) M:93-330 (M:53-175) L:20-92 (L:11-52)		H:151-750 (H:111-560) M:31-150 (M:21-110) L:6-30 (L:4-20)	H:151-750 (H:111-560) M:31-150 (M:21-110) L:6-30 (L:4-20)	H:54-270 M:11-53 L:2-10	H:43-215 M:9-42 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.)			



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The best choice

of
the **automatic milling machine**
Solve the problem of staff shortage

otomat

Servo Automatic Conventional Milling Machine

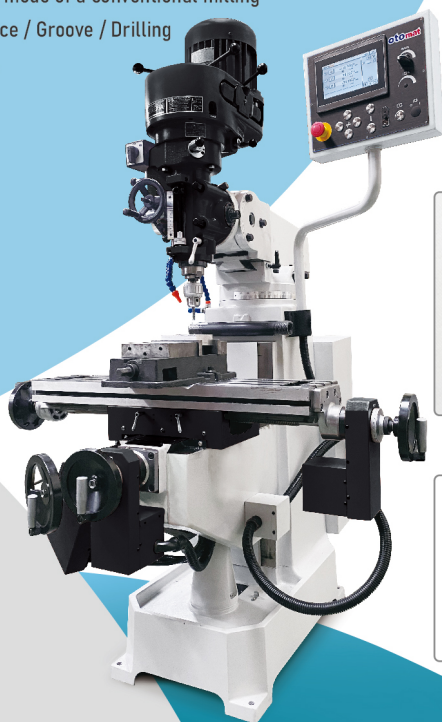
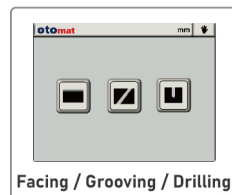
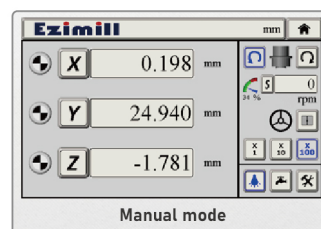
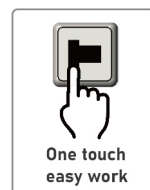
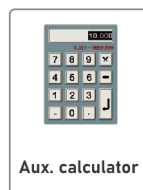
- The best partner for the automation of conventional milling machine
- Automatic milling with axial servo control system
- Maintains the operating mode of a conventional milling
- Automatic milling Surface / Groove / Drilling
- No need to install D.R.O.
- Easy to learn and use
- Touch screen

Standard accessories

- Rubber way cover
- X / Z axis ballscrew
- Tools and toolbox
- Instruction manual
- X/Y axis auto. lubrication
- X / Z axis ballscrew
- Z axis leadscrew
- Safety handwheel

Optional accessories

- Power draw bar
- Column guard
- Table guard
- Chip pan
- Work light
- Spindle guard
- Coolant system

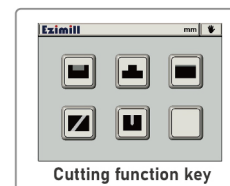


ITEM		OT-1A	OT-2A	OT-3A	OT-4A	OT-5A	OT-6A
Table size	mm	889x228	1067x228	1270x254 (1370x254)			1370x305
Table load	kgs	300	350	350	400	450	
T slot (W x No.)		16mm x 3					
Spindle taper	ISO	30				40	
Spindle speed	rpm	80-2720 (60Hz)-8steps / 80-5440 (60Hz)-16steps / 60-4200 (60Hz)-variable speed					
Spindle motor	HP	3		3(5)		5	
Quill travel	mm	127					
X travel	mm	610	700	800(915)			
Y travel	mm	300	330	380	400	430	380
Z travel	mm	380	410	430		520	480
X / Y / Z servo motor	w	400/ 400/ 1kw		1kw/ 1kw/ 1kw			
Lead screw pitch	mm	5mm					

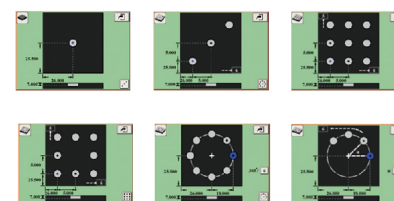
Ezimill

Servo Automatic Single Function Milling Machine

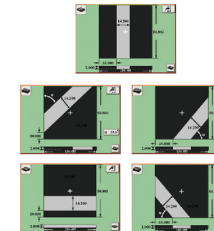
- 3 axis precision ballscrew
- 3 axis servo motor
- Single function milling cutting



Drilling mode



Grooving mode



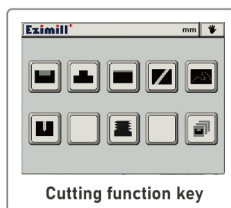
SM-300AH

SM-1000AH

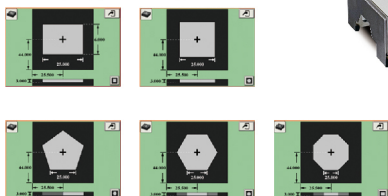
SM-4AL

ITEM		SM-4AL	SM-300AH	SM-800H	SM-1000H
Table size	mm	1500 x 305	1270x300	1370 x 254	1524 x 305
Table load	kgs	450	500	600	600
T slot (W x No.)		16mm x 3			
Spindle taper		NT 40			
Spindle speed	rpm	70 - 4200	70 - 4000	4500	4500
Spindle motor	HP	5			
Horizontal Spindle taper		-	NT 40	-	-
Horizontal Spindle speed	HP	-	65-1500 (9steps)	-	-
Horizontal Spindle motor	KW	-	5	-	-
X travel	mm	1000	920	800	1000
Y travel	mm	380	380	460	480
Z travel	mm	403	450	560	560
X / Y / Z servo motor	KW	1 / 1 / 1.5	1 / 1 / 1		
X / Y / Z lead screw	mm	Φ32, P5 C5			

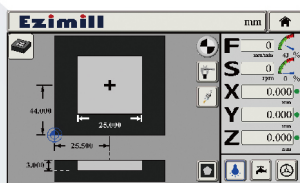
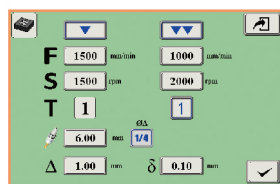
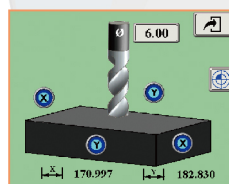
- Full automatic operate milling machine
- Module cutting function, no necessary edit program
- Friendly intuition graphic interface
- Stable quality and simple maintain
- Not CNC or PC base control , without G/M code
- All graphic display , without language problem



Pocket polygon milling



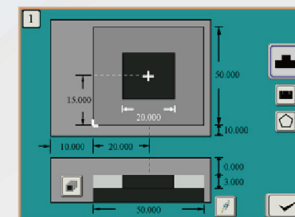
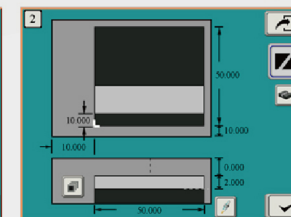
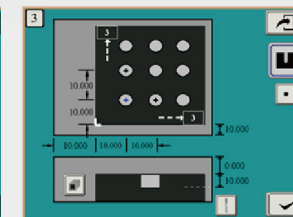
3 steps edit cutting program



STRONG AND EASY OPERATE CONTROL SYSTEM

- Simple operate interface can easy instead the conventional milling machine.
- Solve the problem of staff shortage.

Linking cutting function (Max. 10 function)



ITEM		SM-450H	SM-650H	SM-1654H	SM-2063H	SM-2473H
Table size	mm	550x400	700x450	1370x406	1600x500	1854x610
Table load	kgs	200	300	800	1500	1500
T slot (W x No.)		16mm x 3		16mm x 5	18mm x 5	
Spindle taper		BT40			BT40 / CAT40	
Spindle speed	rpm			6000		
Spindle motor	HP	5		7.5	10	
X travel	mm	450	650	1000	1270	1500
Y travel	mm	350	450	500	700	720
Z travel	mm	400	550	570	600	680
X / Y / Z servo motor	HP	1 / 1 / 1		1 / 1 / 1.5	2 / 2 / 2	
X / Y / Z lead screw	mm	Φ32, P5 C5		X : Φ32 ,P5 C5 Y/Z : Φ40 ,P10 C5	Φ40, P10 C5	