

規格 Specifications

ECL Series

Item 項目	Model 型號	ECL-800	ECL-1000
Working Capacity 工作能力			
Swing over bed 床面上空徑		φ 880 mm	φ 1010 mm
Swing over cross slide 橫滑台空徑		540 mm	670 mm
Dis. between centers 兩頂心距離		1700 mm / 2200 mm / 3200 mm / 4200 mm / 5200 mm / 6200 mm / 7200 mm	
Width of bed 床台寬度		580 mm	
Headstock 主軸箱			
Spindle bore 主軸孔徑		φ 130 mm / φ 160 mm / φ 180mm / φ 255 mm / φ 305 mm	
Spindle nose 主軸鼻端		ASA-A2-11 / ASA-A2-15 / ASA-A2-20	
Range of spindle speed (3-step) 主軸轉速(三段變速)		40-1500 rpm / 30-1000 rpm / 25-800 rpm / 20-650 rpm / 10-400 rpm	
High of center 中心高		440 mm	505 mm
X/Z Carriage X-Z滑台			
Width of carriage 床鞍寬度			785 mm
Width of cross slide 滑台寬度			275 mm
X axis travel X軸行程			550 mm
Z axis travel Z軸行程		1550mm / 2050 mm / 3050 mm / 4050 mm / 5050 mm / 6050 mm / 7050 mm	
X/Z axis feed rate X-Z軸進給速度			1-5000 mm/min
X/Z rapid traverse rate X-Z軸快速進速			X = 10000 mm/min / Z = 8000 mm/min
X axis ball screw X軸滾珠螺桿			φ 32 mm * P = 8 mm
Z axis ball screw Z軸滾珠螺桿		(機型Model ≤ 3200 mm) φ 50 mm * P = 12 mm, (機型Model ≥ 4200 mm) φ 63 mm * P = 16 mm	
X axis servo motor X軸伺服馬達			3.0 kw
Z axis servo motor Z軸伺服馬達		(機型Model ≤ 4200 mm) 4.0 kw, (機型Model ≥ 5200 mm) 7.0 kw	
Turret 刀塔			
No. of tools 刀塔		V-8 / H4 / H6	
Tool size 刀具尺寸		□32x32 mm (φ 50 mm) / □32x32 mm	
Tailstock 尾座			
Quill Dia. 尾座心軸直徑			φ 165 mm
Quill stroke 心軸行程			250 mm
Tailstock taper 頭心直徑			MT#8
Power 動力			
Main spindle motor 主軸馬達		22 / 26 kw / 30 / 37 kw (選配 Opt.)	
Lubricating pump 潤滑泵			25 w
Coolant pump motor 切削液泵馬達			6 BAR
Coolant pump for spindle 主軸油冷泵			1/2 HP
Hydraulic motor 油壓馬力			2 HP
Controller 控制器			
Compatible model 匹配機種		FANUC / FAGOR / SIEMENS / MITSUBISHI	
Controllable axis 控制軸數			2
Dimension 尺寸規格			
Occupied floor : L 機器佔地距離-長		5600 mm / 6000 mm / 7000 mm / 8000 mm / 9000 mm / 10000 mm / 11000 mm	
WxH 寬x高		3450 (W) x 2160 (H) mm	
Machine net weight 機組重量(淨重)		10000kgs / 10500kgs / 12000kgs / 14000kgs / 16000kgs / 18000kgs / 20000kgs	

*本公司保留變更設計之權利，如有更改或取消規格請不另行通知，但不影響前所售之機械品質。
*All specification and designs are subjected to change without notice.

ECL/EBL Standard Accessories	ECLE/EBL標準附件	ECL/EBL Optional Accessories	ECLE/EBL特別附件
1. CNC Controller	1.電腦控制器	1. 3-jaw scroll chuck	1. 三爪夾頭
2. Headstock auto. Hyd. speed shifting	2.主軸箱液壓自動換檔	2. 4-jaw independent chuck	2. 美式四爪夾頭
3. Hyd. tailstock quill (Use: EBL series)	3.油壓式尾座心軸 (適用EBL系列)	3. 3-jaw Hydraulic scroll chuck	3. 三爪油壓夾頭
4. Hyd. tailstock+live quill (Use: EBL series)	4.全油壓驅動尾座+軸心可旋轉 (適用EBL系列)	4. Rear spindle interface with chuck	4. 主軸後鼻端+夾頭
5. Four-way Hyd. turret (Use: EBL series)	5.四方油壓刀塔	5. H6 or V8 Hyd. turret	5. H6 or V8油壓刀塔
6. Coolant device	6.冷卻裝置	6. Driven tool system +C axis function	6. 動力刀架+C軸
7. Lubricating system	7.潤滑系統	7. Double screw drive for Z axis	7. Z軸雙螺桿驅動
8. Work lamp	8.工作燈	8. Boring tool holder (not include draw bar)	8. 鑽孔刀架(不含刀桿)
9. Rear splash guard	9.後防護罩	9. Roller support	9. 滾輪支撐座
10. Screw type chip conveyor with cart x 2 sets (Use: EBL series)	10.螺桿式排屑機 x 2組 (適用EBL系列)	10. Bearing steady rest	10. 軸承式中心架
11. Tools & tool box	11.工具及工具箱	11. Follow rest	11. 跟刀架
		12. Chain type chip conveyor	12. 鏈條式排屑機
		13. Outside power transformer	13. 外部電源變壓器
		14. CE/CSA approval specification	14. CE/CSA規範

規格 Specifications

EBL Series

Item 項目	Model 型號	EBL-1200	EBL-1400
Working Capacity 工作能力			
Swing over bed 床面上空徑		φ 1200 mm	φ 1400 mm
Swing over cross slide 橫滑台空徑		700 mm	900 mm
Dis. between centers 兩頂心距離		2400 mm / 3400 mm / 4400 mm / 5400 mm / 6400 mm / 7400 mm / 8400 mm / 9400 mm	
Width of bed 床台寬度		765 mm	
Headstock 主軸箱			
Spindle bore 主軸孔徑		φ 230 mm / φ 305 mm / φ 360 mm / φ 410 mm	
Spindle nose 主軸鼻端		ASA-A2-15 / ASA-A2-20 / ASA-A2-28	
Range of spindle speed (4-step) 主軸轉速(四段變速)		4-950 rpm / 1-400 rpm / 1-500 rpm	
High of center 中心高		650 mm	750 mm
X/Z Carriage X-Z滑台			
Width of carriage 床鞍寬度			880 mm
Width of cross slide 滑台寬度			400 mm
X axis travel X軸行程			750 mm
Z axis travel Z軸行程		2150mm / 3150 mm / 4150 mm / 5150 mm / 6150 mm / 7150 mm / 8150 mm / 9150 mm	
X/Z axis feed rate X-Z軸進給速度			1-5000 mm/min
X/Z rapid traverse rate X-Z軸快速進速			X = 10000 mm/min / Z = 8000 mm/min
X axis ball screw X軸滾珠螺桿			φ 40 mm * P = 8 mm
Z axis ball screw Z軸滾珠螺桿		(機型Model ≤ 4400 mm) φ 63 mm * P = 20 mm, (機型Model ≥ 5400 mm) φ 80 mm * P = 20 mm	
X axis servo motor X軸伺服馬達			4 kw
Z axis servo motor Z軸伺服馬達		(機型Model ≤ 4400 mm) 7.0 kw, (機型Model ≥ 5400 mm) 9.0 kw	
Turret 刀塔			
No. of tools 刀塔		V-8 / H4 / H6	V-12 / H4 / H6
Tool size 刀具尺寸		□32x32 mm (φ 50 mm) / □32x32 mm	□32x32 mm (φ 50 mm) / □32x32 mm
Tailstock 尾座			
Quill Dia. 尾座心軸直徑			φ 250 mm
Quill stroke 心軸行程			250 mm
Tailstock taper 頭心直徑			MT#8
Power 動力			
Main spindle motor 主軸馬達		(機型Model ≤ 6400 mm) 30 / 37 kw, 37 / 45 kw (選配 Opt.), (機型Model ≥ 7400 mm) 45 / 55 kw (選配 Std.)	
Lubricating pump 潤滑泵			25 w
Coolant pump motor 切削液泵馬達			6 BAR
Coolant pump for spindle 主軸油冷泵			1/2 HP
Hydraulic motor 油壓馬力			5 HP
Controller 控制器			
Compatible model 匹配機種		FANUC / FAGOR / SIEMENS / MITSUBISHI	
Controllable axis 控制軸數			2
Dimension 尺寸規格			
Occupied floor : L 機器佔地距離-長		7200 mm / 8200 mm / 9200 mm / 10200 mm / 11200 mm / 12200 mm / 13200 mm / 14200 mm	
WxH 寬x高		4100(W) x 2620(H) mm	
Machine net weight 機組重量(淨重)		19000kgs / 21000kgs / 23000kgs / 25000kgs / 28000kgs / 31000kgs / 34000kgs / 37000kgs	

*本公司保留變更設計之權利，如有更改或取消規格請不另行通知，但不影響前所售之機械品質。
*All specification and designs are subjected to change without notice.

EVEROX
永峻昌工業有限公司
EVEROX INDUSTRIAL CO., LTD.
41356 台中市西區維多利亞路505巷20號
20, Lane 505, Shih Rd., Wufong Dist.,
Taichung City 41356, Taiwan.
Tel: 886-4-2332-8098 (代表號) Fax: 886-4-2332-8099
E-mail: everox@ms57.hinet.net http://www.everox.com.tw

AGENT



CE ISO 9001



Powerful & Precision CNC Lathes

CNC LATHE MACHINE



ECL Series
EBL

永峻昌工業有限公司
EVEROX INDUSTRIAL CO., LTD.

高剛性/高精度/重切削-強力平台式CNC車床 HIGH RIGIDITY / HIGH ACCURACY / HEAVY DUTY POWERFUL FLAT BED CNC LATHES



ECL Series



- 主軸頭:採三段油壓鎖緊,穩定可靠
主軸通孔徑:φ130mm,φ160mm,φ180mm,φ255mm,φ305mm
- The spindle headstock:
Equipped 3-step gear change (Hyd. system) Spindle bore: φ130mm, φ160mm, φ180mm, φ255mm, φ305mm



- X軸採尾端支撐設計,較低切削直徑大
- Cock-tail type guide way design for X axis, it can be maximized the swing over cross-slide diameter



- 主軸頭油壓系統+主軸頭油冷裝置
- Spindle headstock oil cooler & Hyd. system



- 手動式尾座,軸心φ165mm+MT6直心,標配手動潤滑裝置
- Manual tailstock, quill dia. φ165mm, MT6 for center taper and the manual tailstock lubrication system are all Std.



- 尾座車引
- Tailstock carriage device



- 鏈條式排屑機 (選配)
- Chain type chip conveyor with cart (Opt)

EBL/ECL Series



- 主軸後夾頭 (選配)
- Rear scroll chuck (Opt)



- 可移動旋轉操作箱
- The moveable operation box



- 安全可靠電線力安寧支撐設計,可防止斷裂
- Safety and reliable cable control support design



- Z軸球螺桿支撐設計(小徑X軸選配,大徑X軸標準)
- Z axis ball screw with the supporter design (Opt) (40x5 Std)



- H4 刀座
- H4 Turret



- H6 刀座 (選配)
- H6 Turret (Opt)



- V8 或 V12 刀座 (選配)
- V8 or V12 Turret (Opt)



- 軸孔刀座 (選配)
- Boring holder (Opt)



- 軸承式中心架 (選配)
- Bearing steady rest (Opt)



- 滾筒式工件座 (選配)
- Roller type workpiece supporter (Opt)



- 油殼式油水分離機 (選配)
- Oil skimmer (Opt)

EBL Series



- 主軸頭:採4段油壓鎖緊,穩定可靠,主軸三點支撐設計
通孔徑:φ225mm(9"),φ305mm(12"),φ360mm(14"),φ410mm(16")。主軸箱體軸承採MT6精磨設計,以確保傳動穩定。
- The spindle headstock:
4-step support design for the spindle, and 4-step gear change (Hyd. system) Spindle bore: φ225mm (9"), φ305mm (12"), φ360mm (14"), φ410mm (16"). Main spindle gear driven is M6 spiral gear.



- X軸採四方型軌設計,支撐剛性佳,以減少滑台空變形量,適合重切削
- The high rigidity square way design for the X axis, and it can minimize the distortion which is cause by the overhang of side cover.



- 採全油壓驅動穩定(本機前選配),本機支持鎖緊鬆開,導管前進,後退,大管徑φ250mm,軸心可旋轉,MT6直心(MT7選配),標配手動潤滑
- The tailstock and quill are compacted with fully Hydraulic operation. (The tailstock body forward and backward, clamp and unclamp, quill extend and retract). The quill diameter is φ250mm (9.842") and it's rotatable. The center taper MT6 is standard (MT7 is Opt.) And the manual tailstock lubrication is standard.



- 主軸頭油壓系統+主軸頭油冷裝置
- The spindle headstock oil cooler & Hyd. system



- 鏈條式排屑機 (選配)
- Chain type chip conveyor with cart (Opt)



- 當地型身三導軌設計,雙Z軸液壓緩衝預力配置(選配)
- 專利型號:M358019
- Floor type bed, 3V guide way design, the Z axis ball screw is mounted at front side of the bed. (Std.)
- The opt. of the second Z axis ball screw can be mounted at the rear side of the bed. This rear feature is to reduce the displacement of cross slide. (Opt.) (Patent No. M358019)