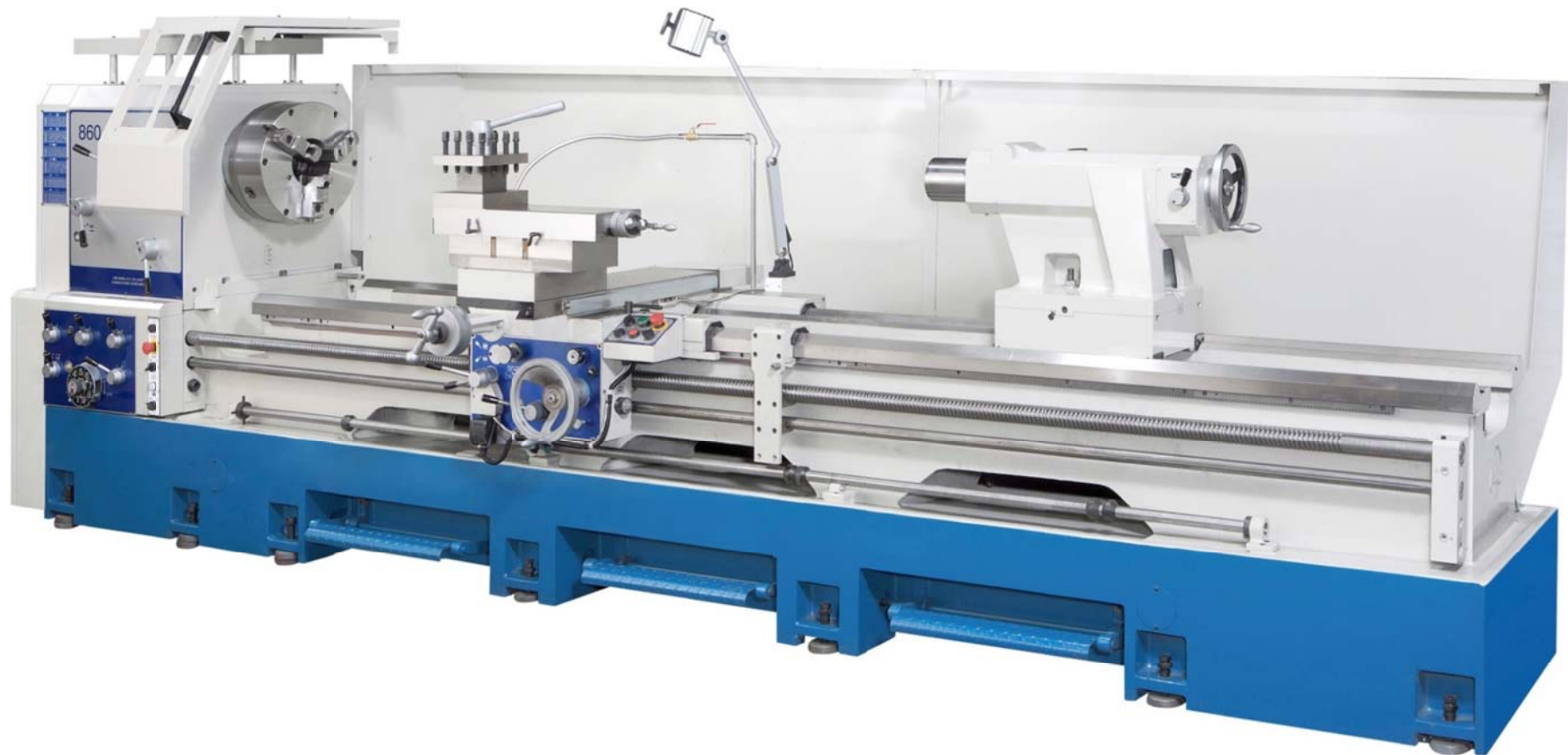




# HEAVY DUTY PRECISION LATHE

**Heavy duty, precision and rigidity**



▲ FL-X860x3310

## FEATURES :



### HEADSTOCK

- All gears and spline shafts are made of alloy steel with heat treatment and precision ground.
- Easy-operated rotating type speed changing system.

### SPINDLE

- Large bore spindle, 3-point supported precision bearings.
- Suitable for heavy-duty cutting.

### GEAR BOX

- Universal gear box design, able to cut metric, imperial, module pitch and diametrical pitch threads without changing gears.

### CARRIAGE

- Wider and longer slide and saddle design to make the heavy cutting stronger.
- Easy-operated overload safety device.
- Manual and automatic lubrication system.

### FAST FEED AND AUTO SKIP-OFF

- Auto distance skip-off design for cross and longitudinal fast feed.



### **TAIL STOCK**

- Bearing supported strong tailstock, easy to move.



### **BED**

- 3V bed way design, durable precision.
- High tensile ribs structure, high precision and wide bed surface, hardened and precision ground.
- Floor type, one-piece iron casting base w/ bed enhances the machine life and working performance.

### **CENTER DISTANCE**

- Center distance 300mm longer for whole series, able to cut exact longer workpiece.

### **STANDARD ACCESSORIES**

- Back plate
- Center sleeve
- Centers
- Tool post wrench
- Anchor bolts
- Tool box and tools
- Coolant pump device
- Work light
- 4-jaw independent chuck
- 4-Way rapid traverse device
- Steady rest

### **OPTIONAL ACCESSORIES**

- 3-Jaw scroll chuck
- 4-Jaw face plate
- Face plate
- Taper turning attachment
- Follow rest
- Rear splash guard
- 4-Position carriage stop
- Micro carriage stop
- CE certificate
- Quick change tool post
- Live center
- Digital readout

## SPECIFICATIONS

Model	FL-X860			FL-X960			FL-X1060		
	1810	2310	3310	4310	5310	6310	7310	8310	
Swing over bed	860mm (33-13/16")			960mm (37-3/4")			1060mm (41-11/16")		
Swing over cross slide	625mm (24-9/16")			725mm (28-1/2")			825mm (32-7/16")		
Distance between centers	1810mm (71-1/4")	2310mm (90-7/8")	3310mm (130-1/4")	4310mm (169-5/8")	5310mm (209")	6310mm (248-3/8")	7310mm (287-3/4")	8310mm (327-1/8")	
Swing over gap	1180mm (46-7/16")			1280mm (50-3/8")			1370mm (53-15/16")		
Gap length	475mm (18.700")								
Bed width	510mm (20.079")								
Spindle nose	A2-11 / A2-15 (opt.)								
Spindle bore	158mm(6.220") / 230mm(9.055") (opt.)								
Taper of spindle bore	MT 7 / 1/20 (opt.)								
Spindle speed	8 ~ 680 r.p.m. ( 12 steps ) / 6 ~ 500 r.p.m. ( 12 steps ) (opt.)								
Inch threads range	2 ~ 28 T.P.I.								
Metric threads range	P 0.8 ~ 14 mm								
Longitudinal feeds range	0.05 ~ 0.7 mm/rev.								
Cross feeds range	0.025 ~ 0.35 mm/rev.								
Leadscrew diameter	45mm (1.772")								
Leadscrew pitch	2 T.P.I. / P 12mm (opt.)								
Taper of tailstock center	MT 6								
Tailstock quill travel	290mm (11-3/8")								
Tailstock quill diameter	120mm (4.724")								
Main drive motor	20 HP / 30HP (opt. )								
Coolant pump	1/8 HP (0.1KW)								
Compound rest travel	330mm (13")								
Cross slide travel	520mm (20-7/16")								
Net weight (kgs) (approx.) (FL-X860)	5700	6100	6800	7600	8400	9200	10000	10800	

- The manufacturer reserves the right to modify the design, specifications, mechanisms...etc. to improve the performance of the machine without prior notice. All the specifications shown above are just for reference.



**TOP PHOENIX**  
**INTERNATIONAL CORP.**  
Machinery Exporter & Importer

No. 48-3, Wayao Rd., Dali Dist.,  
Taichung City 412, Taiwan  
E-Mail:sales@topphoenix.com.tw ; topphoenix24@gmail.com;  
top.phoenix@msa.hinet.net  
http://www.topphoenix.com.tw  
Tel:886-4-2406-5028(Rep.) Fax:886-4-2406-5019