

SPECIFICATIONS

ITEM	MODEL	SGT Series								
	SGT-45					SGT-51				
CAPACITY										
Swing Over Bed	1160 mm (45.66")				1310 mm (51.57")					
Swing Over Cross Slide	850 mm (33.46")				1000 mm (39.37")					
Swing in Gap	1700 mm (66.92")				1850 mm (72.83")					
Width of Gap	470 mm (18.5")									
Distance Between Centers	1500 mm	2000 mm	3000 mm	4000 mm	5000 mm	6000 mm	7000 mm	8000 mm	9000 mm	10000 mm
HEAD STOCK										
Spindle Bore	6"/9", *10", *12", *14", *16", *21" (OPTION)									
Spindle Nose	A2-11 / *A2-15, *A2-20 (OPTION)									
Number of Spindle Speeds	12 Changes									
Taper of Center	M.T. No.6									
Range of Spindle Speeds	3-300 RPM									
FEEDS & THREADS CUTTING										
Leadscrew	57 mm (2-1/4")									
Pitch of Leadscrew	2 T.P.I / *P12mm (OPTION)									
Inch Threads	1/4-30 TPI (70kinds)									
Metric Threads	1-120 mm (62 kinds)									
D.P Threads	1-120 D.P. (70 kinds)									
M.P Threads	0.25-30 mm (53 kinds)									
Longitudinal Feeds	0.085~10.08 mm/rev (0.004-0.40 in/rev)									
Cross Feeds	0.042~5.04 mm/rev (0.002-0.20 in/rev)									
CARRIAGE										
Cross Slide Travel	635 mm (25")									
Compound Rest Travel	420 mm (16.5")									
Rapid Travel Speed to Carriage	2000 mm/min (807min)									
TAILSTOCK										
Quill Diameter	125 mm (4-7/8")									
Quill Travel	340 mm (13-3/8")									
Taper of Quill Center	M.T. No.6									
BED (ONE-PIECE MACHINE BED WHICH IS MOST SUITABLE FOR HEAVY DUTY MACHINING)										
Width of Bed	665 mm (26")									
Main Motor	30 HP x 4P									
Rapid Travel Motor	1 HP									
Weight (Approx)	8200 kg	8800 kg	10000 kg	11200 kg	12400 kg	13600 kg	14800 kg	16000 kg	17800 kg	19000 kg
Packing Size (LxWxH)	160"x80" x80"	180"x80" x80"	220"x80" x80"	260"x80" x80"	300"x80" x80"	340"x80" x80"	380"x80" x80"	400"x80" x80"	420"x80" x80"	440"x80" x80"

*Specifications are subject to change without notice for further design improvement.

STANDARD ACCESSORIES

Electromagnetic Brake	1 SET
4-Way Rapid Traverse	1 SET
Center Sleeve	1 PC
Center (M.T.6#)	2 PCS
Tool Post Wrench	1 PC
Anchor Bolt	1 SET
Tool Box & Tool	1 SET
Coolant System	1 SET
Work Light	1 PC
Steady Rest 11.8"	1 PC

OPTIONAL ACCESSORIES

Spindle Bore 9", 10", 12", 14", 16", 21"
4-Jaw Independent Chuck
4-Jaw Face Chuck
3-Jaw Scroll Chuck
Auto Rapid Threading Device
Taper Attachment
Double Chuck Attachment
DRO (Digital Read Out)
Follow Rest 8.6"
Steady Rest 23.6"
Steady Rest 31.49"
Steady Rest 40"
Full Length Rear Splash Guard



HEAVY DUTY PRECISION LATHE



ACRA MACHINERY, INC

13173 Arrow Route, Rancho Cucamonga, CA 91739

TEL: (909) 899-3000

Fax: (909) 899-8188

E-Mail: info@acramachinery.com

Manufacturer: SUN FIRM MACHINERY IND. CO., LTD.

No.155, Gongye 11th Rd., Dali Dist., Taichung City 41280, Taiwan



ACRA



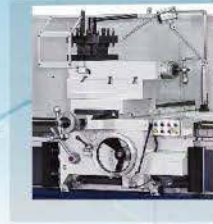
HEAD STOCK

- The spindle is supported by high precision bearings suitable for both heavy and precision cutting.
- The speeds of spindle have 12 steps and designed on theoretical base. All gears and shafts are made of Ni-Cr-Mo steel and carbonylize and ground.
- Control of main drive through electromagnetic brake, and automatic forced lubrication.
- Spindle Bore size wide selections-
153 mm (6"), 230 mm (9"), 255 mm (10")
310 mm (12"), 355 mm (14"), 405 mm (16")
530 mm (21")



GEAR BOX

- The gear box is entirely enclosed construction and provide a range of feedings or thread cuttings (inch, metric, module pitch and diametrical pitch).
- Inch and Metric threading without changing gears.
- Oil both lubrication and built in safety clutch safeguards the continuous and proper operation of the universal gear box.



CARRIAGE & APRON

- The compound rest can be fixed on the cross-slide anywhere, convenient for cutting work application.
- The apron gives automatic lubrication and locked-safety device protects threads and feeding.
- Rapid traverse drive for longitudinal-cross feeding and forward & reverse feed operates very light and convenient.



TAPER ATTACHMENT

- The taper attachment is designed to easily operate and rapidly cut taper in high accuracy; the device can produce ± 10 angles.
- Electric cable in steel cover to protect wire from chips and prevent trouble with electric wires.



SGT51120 WITH 21" SPINDLE BORE



SGT-45240