



GOSAN

- Established for 27 years, specialized in producing Precision Engine lathes, engineers with 30 years' producing technique and experience.
- Wide range of lathe models form Heavy-Duty lathe (big lathe) to Bench lathe (small lathe).
- High precision producing process, flawless quality control, complete and detail technical information, good and quick in service after sale.



PRECISION LATHE

CNC LATHE (Flat-bed type)

Model: 1740NC, 1760NC, 1780NC, 2040NC, 2060NC, 2080NC



FEATURES

- Centroid T400S or Fagor 8055TC is available.
- CNC and manual operation. Dual electronic hand-wheels for manual turning.
- Teach in mode.
- Integrated PLC.
- Semi-automatic, automatic (cycle) and part program modes.
- Rapid traverse.
- Automatic home searching.
- 3 steps, 10-2000 r.p.m. infinite variable spindle speed
- 86mm. 3-3/8inch hole through spindles.
- 3-point supported spindle using 2 precision taper roller bearings and 1 ball bearing.
- All geared headstock, main gears are made from Chromium, Nickel, molybdenum alloy steel and are case hardened and "REISHAUER" ground.
- Forced spray lubrication system used for headstock.
- High precision ball-screws.
- Hardened of bed-way & cross ways meet HB 450.
- Auto lubrication unit for all slide-ways surface and ball-screws.
- 10HP (7.4kw) Main spindle motor.



▲ Oil lubrication



▲ Electrical box



▲ Dual electronic hand-wheels



▲ Hydraulic system Turret



▲ Electrical system Turret



HEAVY DUTY LATHE (15HP Main motor; spindle bore 105mm 4-1/8inch)

Model: 2480, 24120, 24160, 3080, 30120, 30160



▲ Electro-magnetic clutch & Brake



▲ Four-way rapid carriage movement.



▲ Electrical box



▲ Tailstock hand-wheel has two-speed feed



▲ Wide of bed-ways 19inch, 485mm

FEATURES:

- 4-1/8in (105mm) Spindle bore; D1-11 camlock spindle nose; 3-bearing spindle support.
- 18 Spindle speeds, 10-1200 rpm, with electro-magnetic brake.
- Electro-magnetic clutch mounted in Headstock, for spindle speed changed without stopping motor.
- Automatic forced lubrication in headstock is moved by a direct motor drive lubrication gear pump, and oil tank is equipped in the floor stand to minimize the cooling of oil.

- Heavy duty geared head; hardened and ground gears.
- 15HP Main spindle motor.
- Quick-change universal gearbox for inch, metric, DP, MP, threading, and multiple thread, all function without any change gears.
- Four-way rapid carriage movement.
- Automatic lubrication in saddle and apron assembly.
- Adjustable overload clutch in apron to ensure proper cutting load.
- 2 speeds tailstock barrel.
- 19in. (485mm) wide bed ways, induction hardened and ground.

SHENG



PRECISION ENGINE LATHE (Spindle bore 86mm. 3-3/8inch)

Model: 1740, 1760, 1780, 2040, 2060, 2080



FEATURERS:

- Heavy duty geared head; hardened and ground gears.
- 86mm. 3-3/8inch hole through spindles.
- 3-point supported spindle using 2 precision taper roller bearings and 1 ball bearing.
- 12 steps spindle speeds 20 - 1800 rpm. shift in geometric progression.
- Quick-change universal gearbox for inch, metric, DP, MP, threading, and multiple thread.
- Forced spray lubrication system used for headstock.
- One shot lubrication pump supply oil to cross slide and bed-ways.
- Adjustable overload clutch in apron to ensure proper cutting load.
- Cross slide screw permanently immersed in oil and supported by thrust bearing.
- Induction hardened and precision ground bed-way.
- One piece base for maximum rigidity.



▲ Headstock



▲ Universal gearbox

VARIABLE-SPEED LATHE

Model: 2040V, 2060V, 2080V



Variable-speed change
With inverter; 3 steps speed
High: 2000-240 rpm.
Middle: 380-54 rpm.
Low: 84-10 rpm.



▲ Electrical box & inverter

PRECISION ENGINE LATHE (Spindle bore 58mm. 2-1/4inch)

Model: 1540A, 1560A, 1740A, 1760A



▲ Headstock & Gearbox



▲ Carriage & Apron



▲ Heavy duty Tail stock



FEATURERS:

- Heavy duty geared head; hardened and ground gears.
- 58mm. 2-1/4inch hole through spindle.
- 3-point supported spindle using 2 precision taper roller bearings and 1 ball bearing.
- 12 steps spindle speeds 20 - 2000 rpm. shift in geometric progression.
- Forced spray lubrication system used for headstock.
- Quick-change universal gearbox for inch, metric, DP, MP, threading, and multiple thread.
- One shot lubrication pump supply oil to cross slide and bed-ways.
- Adjustable overload clutch in apron to ensure proper cutting load.
- Cross slide screw permanently immersed in oil and supported by thrust bearing.

VARIABLE-SPEED LATHE Model: 1540AV, 1560AV, 1740AV, 1760AV



Variable-speed change

With inverter ; 3 steps speed

High: 2000-272 rpm.

Middle: 380-52 rpm.

Low: 74-10 rpm.



▲ End gear train & Sensor

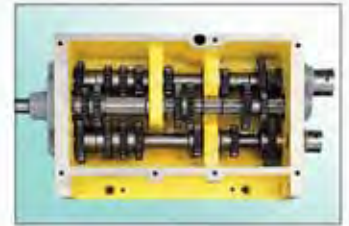
SHREYAS ENGINEERING

PRECISION ENGINE LATHE (8 spindle speeds change, 16 speeds is optional)

Model: SSM-1330, 1340, 1430, 1440

FEATURES

- 8 (or 16) spindle speeds.
- 38mm 1-1/4inch hole through spindle.
- Heavy duty geared head; hardened and ground gears.
- Hardened and ground bed-way.
- Open type chip tray can be pulled out easily to remove chip.
- 3 HP (2.2Kw) three phase main motor.
- Foot brake giving rapid braking.
- Emergency stop button equipped on the front of head -stock.



Model: SSM-1330SL, 1340SL, 1430SL, 1440SL

12 Spindle speed change & with Universal type Gear Box
(Without change gear while Metric & Inch threading cutting)



▼ Universal type Gear Box



VARIABLE-SPEED LATHE

Model: 1330SV, 1340SV, 1430SV, 1440SV

Variable-speed change

2 step speeds
High: 2200 - 165 rpm.
Low: 405 - 30 rpm.



PRECISION ENGINE LATHE (12 spindle speeds change; Square head)

Model: TURNPOWER 1330, 1340, 1430, 1440



FEATURES

- 12 steps spindle speed 50-2000 r.p.m. shifts in geometric progression.
- 38mm 1-1/4inch hole through spindle.
- Heavy duty geared head; hardened and ground gears.
- Hardened and ground bed-way.
- Open type chip tray can be pulled out easily to remove chip.
- 3 HP (2.2Kw) three phase main motor.
- Foot brake giving rapid braking.
- Emergency stop button equipped on the front of head -stock.



VARIABLE-SPEED LATHE

Model: TURNPOWER 1330V,
1340V, 1430V, 1440V

Variable-speed change

3 step speeds

High: 2000 - 400 rpm.

Middle: 540 - 110 rpm.

Low: 145 - 30 rpm.



▲ Electrical box for
slant head Lathe



▲ Electrical box for
square head Lathe



PRECISION ENGINE LATHE (12 spindle speeds change; Slant head)

Model: 1330A, 1340A, 1430A, 1440A

VARIABLE-SPEED LATHE

Model: 1330AV, 1340AV, 1430AV, 1440AV

Variable-speed change

3 step speeds

High: 2000 - 400 rpm.

Middle: 540 - 110 rpm.

Low: 145 - 30 rpm.



● VARIABLE-SPEED BENCH LATHE

Model: 1224BV, 1236BV, 1340BV



FEATURES

- The Lathe equipped with an electronically controlled variable speed inverter control. 2 spindle speed change 40-365 r.p.m. & 218-2000 r.p.m.
- Close type Headstock, Gearbox and Apron have inner oil reservoir in which lubrication worked by splashing lubricant.
- Hardened and ground gears in headstock. 40 mm, (1-9/16 inch) hole through spindles. Spindle supported with 2 precision taper roller bearings.
- With longitudinal and cross automatic feeding systems.
- The feed road and hand-wheel for apron are equipped with adjustable safety overload slipping clutch to ensure proper cutting load.
- Lathe bed made of high tensile cast iron in rigid structure is hardened and ground.
- Lathe equipped with electro brake and foot brake giving rapid braking.
- Tool cabinet mounted between two floor stands accompanied with lock can be put in all accessories and tools, safe and administrate conveniently.
- Outside shape designed under entirely consideration, neat and beautiful outlook. All control knobs are located on the front of headstock, control easily.



▲ Headstock & Gearbox



▲ End gear train & Sensor



▲ Electrical box & inverter



▲ Lockable Tool cabinet

● BRIEF SPECIFICATION FOR VARIABLE-SPEED BENCH LATHE

MODEL		1224BV	1236BV	1340BV
NOMINAL SIZE	Swing over bed	306 mm 12in	306 mm 12in	330 mm 13in
	Swing over cross slide	186 mm 7-5/16in	186 mm 7-5/16in	210 mm 8-5/16in
	Height of center	153 mm 6in	153 mm 6in	165 mm 6-1/2in
	Distance between center	610 mm 24in	915 mm 36in	1000 mm 40in
BED	Width of bedway gap type	190 mm 7-1/2in	190 mm 7-1/2in	190 mm 7-1/2in
	Total length of bed	1220 mm 48in	1525 mm 60in	1625 mm 64in
	Swing over gap	445 mm 17-1/2in	445 mm 17-1/2in	470 mm 18-1/2in
	Length of gap	240 mm 9-1/2in	240 mm 9-1/2in	240 mm 9-1/2in
SPINDLE	Width In front of face plate	150 mm 6in	150 mm 6in	150 mm 6in
	Spindle nose mounting	D1-4 Camlock		
	Spindle bore	40mm 1-9/16 inch		
	Taper of spindle bore	M.T. No. 5		
TOOL SLIDE	Number of spindle speeds	2 steps for Variable speed change		
	Range of spindle speeds	40-2000 R.P.M. for Variable speed change		
	Total travel of cross slide	170 mm 6-3/4 inch		
	Total travel of top slide	90 mm 3-1/2 inch		
TAIL STOCK	Max. size cutting tool	13 mm 1/2 inch		
	Total travel of tailstock barrel	100mm 4 inch		
	Taper in tailstock barrel	M.T. No. 3		
	Diameter of barrel	40 mm 1-9/16 inch		
THREAD	Lead screw diameter & pitch	Dia. 22mm Pitch 4mm, 7/8 inch 8 TPI		
	Inch threads	3-24 TPI (8Nos) for metric system / 2-56 TPI (34Nos) for inch system		
	Metric pitches	0.5-10mm (21Nos) for metric system / 0.5-12mm (33Nos) for inch system		
	Feed rod diameter	Dia. 19mm 3/4 inch		
FEEDS	Range of longitudinal feeds	0.040-0.800 mm/rev.(21) for metric system / 0.0016-0.0460 in/rev.(25) for inch system		
	Range of cross feeds	0.020-0.400 mm/rev. (21) for metric system / 0.0005-0.0150 in/rev.(25) for inch system		
MOTOR	Main spindle motor	2 HP 1.47 Kw	2 HP 1.47 Kw	3 HP 2.2 Kw
	Coolant pump motor	1/8 HP 0.1 Kw	1/8 HP 0.1 Kw	1/8HP 0.1Kw
WEIGHT & PACKING SIZE	Machine net weight-approx	500 kgs	550 kgs	600 kgs
	Machine gross weight-approx	620 kgs	670 kgs	720 kgs
	Packing size (L x W x H)	59x30x60 inch	71x30x60 inch	75x30x61 inch

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STANDARD ACCESSORIES



1. Main motor
2. Back plate for chuck
3. 4-way tool post
4. Screw wrench for 4-way toolpost
5. Thread dial indicator
6. Changer gears
7. Tool box
8. Center sleeve
9. Two dead centers
10. Camlock spindle wrench
11. Oil gun (piston oiler)
12. Spare paint (on request)
13. Screw driver
14. Spanner
15. Hexagonal wrench
16. Splash guard
17. Optional manual and part list

Due to different model with different equipments, prices according to Quotation sheet.

OPTIONAL ACCESSORIES



1. 3-jaw scroll chuck
2. 4-jaw independent chuck
3. Face plate
4. Steady rest
5. Follow rest
6. Coolant system
7. Micro type carriage stop
8. Single type carriage stop
9. 4-position carriage stop
10. American toolpost (T-slot single toolpost)
11. Live center
12. Drill chuck with arbor
13. Taper attachment
14. 5C collet attachment (Lever type)
15. 5C collet attachment (Handwheel type)
16. Quick change toolpost
17. Work lamp (quartz halogen lamp)

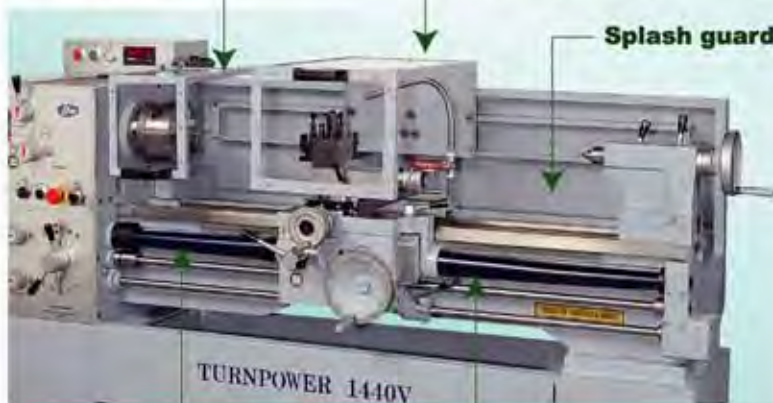
EQUIPMENT FOR "CE" STANDARD



Chuck guard



Tool post guard (Optional)



CE standard elements and electrical parts



Lead screw protection cover

Please indicate the following specifications on your order

1. Leadscrew and reading dial in imperial (inch) or metric (mm).
2. Left-hand or right-hand Apron hand-wheel (carriage hand-wheel).
3. Electrical current and cycles.

All accessories as pictures showed in this brochure just for reference. Correct standard accessories shall be according to the latest Price List.



BRIEF SPECIFICATION FOR CNC LATHE [FLAT-BED TYPE]

MODEL	1740NC	1760NC	1780NC	2040NC	2060NC	2080NC		
NOMINAL SIZE	Swing over bed		400mm 17-5/16in		510mm 20in			
	Swing over cross slide		190mm 7-1/2in		260mm 10-1/4in			
	Height of center		220mm 8-5/8in		255mm 10in			
	Distance between center	1000mm 40in	1500mm 60in	2000mm 80in	1000mm 40in	1500mm 60in	2000mm 80in	
BED	Width of bedways		330mm 13in					
	Total length of bed	2000mm 78in	2510mm 98in	3020mm 118in	2000mm 78in	2510mm 98in	3020mm 118in	
	Swing over gap	660mm 26in		730mm 28-3/4in				
	Length of gap	300mm 11-3/4in		300mm 11-3/4in				
	Width in front of face plate	190mm 7-1/2in		175mm 6-3/4in				
SPINDLE	Spindle nose mounting		D1-8 CAMLOCK					
	Spindle bore		82mm 3-3/8in					
	Taper of spindle bore		M.T.#7 (Sleeve M.T.#5)					
	Range of spindle speeds		High 2000-240 – Middle 380-45 – Low 84-10 RPM					
SLIDE	Cross slide travel (X axis) (Ball screw 25mm x 5mm C5)		280mm 11in					
	Rapid travel (X axis)		6 m/min					
	X axis Driver motor		29 lb/in (Centroid) 7.3Nm AC servo (Fagor)					
	Longitudinal travel (Z axis) (Ball screw 40mm x 10mm C5)		920mm 36-1/4in	1430mm 56-1/4in	1940mm 76-3/8in	920mm 36-1/4in	1430mm 56-1/4in	1940mm 76-3/8in
	Rapid travel (Z axis)		8 m/min					
	Z axis Driver motor		29 lb/in (Centroid) 7.3Nm AC servo (Fagor)	40 lb/in (Centroid) 9.3Nm AC servo (Fagor)		29 lb/in (Centroid) 7.3Nm AC servo (Fagor)	40 lb/in (Centroid) 9.3Nm AC servo (Fagor)	
	Max. size cutting tool		25mm 1in (for Quick change tool post)					
TOOLING	Hydraulic Turret (optional)		8 Tool section (25mm for square tool, 40mm Dia. For boring tool)					
	Electrical Turret (optional)		6 Tool section (20mm for square tool, 7/8in For boring tool)					
	Tailstock quill diameter		75mm 3in					
TAIL STOCK	Tailstock quill Taper		M.T.#5					
	Tailstock quill travel		160 mm 6-5/16in					
MOTOR	Main spindle motor		10 HP 7.4Kw					
WEIGHT	Machine weight		1800kgs	2000kgs	2300kgs	2100kgs	2300kgs	2600kgs

BRIEF SPECIFICATION FOR HEAVY DUTY LATHE

MODEL	2480	24120	24160	3080	30120	30160		
NOMINAL SIZE	Swing over Bed		610mm 24in		760mm 30in			
	Swing over Cross Slide		350mm 13-3/4in		500mm 19-3/4in			
	Height of Center		305mm 12in		380mm 15in			
	Distance Between Centers	2033mm 80in	3050mm 120in	4050mm 160in	2033mm 80in	3050mm 120in	4050mm 160in	
BED	Width of Bedways		485mm 19in					
	Total Length of Bed	3320mm 130in	4380mm 172in	5470mm 215in	3320mm 130in	4380mm 172in	5470mm 215in	
	Swing over Gap	820mm 32-1/4in		970mm 38-1/4in				
	Length of gap	515mm 20-1/4in						
	Width in front of face plate	340mm 13-3/8in						
SPINDLE	Spindle nose mounting		D1-11 CAMLOCK					
	Spindle bore		105mm 4-1/8in					
	Taper of spindle bore		M.T.#5 (with center sleeve)					
	Number of spindle speeds		18 steps (Forwarded & Reversed by magnetic clutch control)					
TOOL SLIDE	Range of spindle speeds		10-1200 R.P.M. (with Magnetic brake)					
	Total travel of cross slide		375mm 14-3/4in					
	Total travel of top slide		225mm 9in					
	Max. size cutting tool		28mm 1-1/8in					
TAIL STOCK	Total travel of tailstock barrel		195mm 6-5/8in					
	Taper in tailstock barrel		M.T.#5					
	Diameter of barrel		80mm 3-1/8in					
THREADS	Lead screw diameter & pitch		Dia. 38mm Pitch 12mm 2 T.P.I.					
	Inch threads		1/4-80 TPI (60)					
	Metric pitches		0.2-112mm (60)					
	Diametral pitches		1-240 D.P. (55)					
	Module pitches		0.05-28 M.P. (55)					
FEEDS	Feed rod diameter		38mm 1-1/2in					
	Range of longitudinal feeds		0.040-5.000mm/rev. 0.0015-0.20 in/rev. (40)					
	Range of cross feeds		0.015-4.000mm/rev. 0.0006-0.15 in/rev. (40)					
MOTOR	Main spindle motor		15HP 11kw					
	Coolant pump motor		1/8HP 0.1kw					
WEIGHT	Machine net weight		3500kgs	4000kgs	4500kgs	3800kgs	4300kgs	4800kgs

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BRIEF SPECIFICATION FOR PRECISION ENGINE LATHE 17" & 20"

MODEL	1740 1740V	1760 1760V	1780 1780V	2040 2040V	2060 2060V	2080 2080V		
NOMINAL SIZE	Swing over Bed		440mm 17-5/16in		510mm 20in			
	Swing over Cross Slide		272mm 10-3/4in		342mm 13-1/2in			
	Height of Center		220mm 8-5/8in		255mm 10in			
	Distance Between Centers		1000mm 40in	1500mm 60in	2000mm 80in	1000mm 40in	1500mm 60in	2000mm 80in
BED	Width of Bedways		330mm 13in					
	Total Length of Bed		2000mm 78in	2510mm 98in	3020mm 118in	2000mm 78in	2510mm 98in	3020mm 118in
	Swing over Gap		660mm 26in		730mm 28-3/4in			
	Length of gap		300mm 11-3/4in		300mm 11-3/4in			
	Width in front of face plate		190mm 7-1/2in		175mm 6-3/4in			
SPINDLE	Spindle nose mounting		D1-8 CAMLOCK					
	Spindle bore		82mm 3-1/4in					
	Taper of spindle bore		M.T.#5					
	Number of spindle speeds		12 steps (Variable speed change 3 steps)					
Range of spindle speeds		20-1800 R.P.M. (Variable speed change 10 - 2000 R.P.M.)						
TOOL SLIDE	Total travel of cross slide		260mm 10-1/4in					
	Total travel of top slide		130mm 5-1/8in					
	Max. size cutting tool		25mm 1in					
TAIL STOCK	Total travel of tailstock barrel		150mm 6in					
	Taper in tailstock barrel		M.T.#5					
	Diameter of barrel		65mm 2-9/16in					
THREADS	Lead screw diameter & pitch		Dia. 35mm 1-3/8in Pitch : 6mm 4 T.P.I.					
	Inch threads		2-72 TPI (48)					
	Metric pitches		0.2-14 mm (48)					
	Diametral pitches		8-60 D.P. (24)					
	Module pitches		0.2-3.5 M.P. (24)					
FEEDS	Feed rod diameter		25mm 1in					
	Number of feed change		36					
	Range of longitudinal feeds		0.06-2.00mm/rev. 0.0025-0.07in/rev.					
	Range of cross feeds		0.03-0.80mm/rev. 0.0010-0.03in/rev.					
MOTOR	Main spindle motor		10HP 7kW					
	Coolant pump motor		1/8HP 0.1Kw					
WEIGHT	Machine net weight		1900kgs	2000kgs	2200kgs	2000kgs	2100kgs	2300kgs

BRIEF SPECIFICATION FOR 1540A/AV, 1560A/AV, 1740A/AV, 1760A/AV

MODEL	1540A / 1540AV	1560A / 1560AV	1740A / 1740AV	1760A / 1760AV		
NOMINAL SIZE	Swing over Bed		380mm 15in		434mm 17in	
	Swing over Cross Slide		225mm 8-7/8in		277mm 10-7/8in	
	Height of Center		191mm 7-1/2in		217mm 8-1/2in	
	Distance Between Centers		1000mm 40in	1500mm 60in	1000mm 40in	1500mm 60in
BED	Width of Bedways		300mm 12in		300mm 12in	
	Swing over Gap		580mm 23in		630mm 25in	
	Length of gap		250mm 10in		250mm 10in	
SPINDLE	Spindle nose mounting		D1-6" CAMLOCK			
	Spindle bore		58mm 2-1/4in			
	Taper of spindle bore		M.T. No.#6			
	Number of spindle speeds		12 steps (Variable speed change: 3steps for AV type)			
Range of spindle speeds		20 - 2000 R.P.M. (Variable speed change: 10 - 2000 R.P.M. for AV type)				
CARRIAGE	Total travel of cross slide		210mm. 8-1/4 in			
	Total travel of top slide		130mm. 5-1/4 in			
	Max. size cutting tool		25mm.x 25mm. 1in x 1in			
TAIL STOCK	Total travel of tailstock barrel		125mm. 5 in			
	Taper in tailstock barrel		M.T No. #4			
	Diameter of barrel		Dia. 58mm. Dia. 2-1/4 in			
THREADS	Lead screw diameter & pitch		Dia. 32mm. pitch 6mm Dia. 1-1/4" 4 T.P.I.			
	Inch threads		2 - 72 TPI (48Nos)			
	Metric pitches		0.2 - 14 mm (48Nos)			
	Diametral pitches		8.-60 D.P. (24Nos)			
	Module pitches		0.2 - 3.5 MOD. (24Nos)			
FEEDS	Range of longitudinal feeds		0.04-1.00mm./rev. 0.0015-0.04in./rev.			
	Range of cross feeds		0.02-0.50mm./rev. 0.0075-0.02in./rev.			
MOTOR	Main spindle motor		3.75KW. 5 HP (Electrical Brake is optional)			
	Coolant pump motor		0.1KW. 1/8 HP			
WEIGHT	Machine net weight		1400 Kgs	1600 Kgs	1500 Kgs	1700 Kgs

We reserve the right to modify and improve our products.

AYE SENG



BRIEF SPECIFICATION FOR SSM LATHE (8 spindle speeds & Variable speed change)

MODEL		1340 / 1340SV	1330 / 1330SV	1440 / 1440SV	1430 / 1430SV
NOMINAL SIZE	Swing over bed	330mm 13in	330mm 13in	356mm 14in	356mm 14in
	Swing over cross slide	195mm 7-5/8in	195mm 7-5/8in	220mm 8-5/8in	220mm 8-5/8in
	Distance between center	1000mm 40in	750mm 30in	1000mm 40in	750mm 30in
BED	Swing over gap	490mm 19in	490mm 19in	515mm 20in	515mm 20in
	Width of bed	206mm 8-1/2in	206mm 8-1/2in	206mm 8-1/2in	206mm 8-1/2in
SPINDLE	Numbered of spindle speeds	8 steps or 16 steps (for 2 speed motor) / 12 steps for special require (SL type) or 2 steps for Variable speed change SV type			
	Range of spindle speeds	90 - 1800 RPM or 45 - 1800 RPM (for 2-speed motor & special require SL type) or 30 - 2200RPM for Variable speed change SV type			
	Hole through spindle	38mm 1-1/2in			
	Spindle nose	D1-4 Camlock			
TAIL STOCK	Taper of spindle bore	M.T. No. 5			
	Total travel of tailstock barrel	120mm 4-3/4in			
	Taper in tailstock barrel	M.T. No 3			
	Diameter of barrel	45mm 1-3/4in			
TOOL SLIDE	Cross slide travel	165mm 6-1/2in	165mm 6-1/2in	170mm 7in	170mm 7in
	Compound rest travel	90mm 3-1/2in	90mm 3-1/2in	100mm 4in	100mm 4in
	Max. size cutting tool	16mm 5/8in		22mm 7/8in	
THREADS	Lead screw diameter & pitch	Dia. 22mm Pitch 4mm / Dia. 7/8in 8 T.P.I. or (Dia. 25mm Pitch 6mm / Dia. 1in 4 T.P.I.)			
	Metric threads	0.4 - 7.0 mm (37Nos) for metric system / 0.45 - 7.5 mm (22Nos) for inch system 0.2-7.0 mm (34Nos) for universal type gear box (SL type)			
	Inch threads	4 - 56 TPI (28Nos) for metric system / 4-112 TPI (40Nos) for inch system 4-72 TPI (39Nos) for universal type gear box (SL type)			
	Diametral pitches	8 - 44 DP (21Nos) only for universal type gear box (SL type)			
	Module pitches	0.3 - 3.5 MOD (18Nos) only for universal type gear box (SL type)			
FEEDS	Feed rod diameter	19mm 3/4in			
	Longitudinal feeds	(42) 0.043 - 0.653 mm/rev. for metric system (40) 0.0012 - 0.0294 in/rev. for inch system			
	Cross feeds	(42) 0.015 - 0.220 mm/rev. for metric system (40) 0.0003 - 0.0100 in/rev. for inch system			
	Machine net weight	700 kg	650 kg	750 kg	700 kg
PACKING SIZE	Gross weight	820 kg	770 kg	880 kg	830 kg
	Crate dimension (L x W x H)	77x30x57 inch	67x30x57 inch	77x30x58 inch	67x30x58 inch

BRIEF SPECIFICATION FOR TURNPOWER & A TYPE LATHE (12 spindle speeds)

MODEL		TURNPOWER 1340 TURNPOWER 1340V 1340A / 1340AV	TURNPOWER 1330 TURNPOWER 1330V 1330A / 1330AV	TURNPOWER 1440 TURNPOWER 1440V 1440A / 1440AV	TURNPOWER 1430 TURNPOWER 1430V 1430A / 1430AV
NOMINAL SIZE	Swing over Bed	330mm 13in	330mm 13in	356mm 14in	356mm 14in
	Swing over cross Slide	195mm 7-5/8in	195mm 7-5/8in	220mm 8-5/8in	220mm 8-5/8in
	Distance between Center	1000mm 40in	750mm 30in	1000mm 40in	750mm 30in
BED	Swing over Gap	490mm 19-1/4in	490mm 19-1/4in	515mm 20-1/4in	515mm 20-1/4in
	Width of Bed	190mm 7-1/2in	190mm 7-1/2in	190mm 7-1/2in	190mm 7-1/2in
SPINDLE	Numbered of spindle speeds	12 steps or 3 steps for Variable speed change SV type			
	Range of spindle speeds	45 - 1800 RPM or 30 - 2000RPM for Variable speed change SV type			
	Hole through spindle	38mm 1-1/2in			
	Spindle nose	D1-4 Camlock			
TAIL STOCK	Taper of spindle bore	M.T. No. 5			
	Total travel of tailstock barrel	110mm 4-3/8in			
	Taper in tailstock barrel	M.T. No 3			
	Diameter of barrel	40mm 1-9/16in			
TOOL SLIDE	Cross slide travel	165mm 6-1/2in			
	Compound rest travel	85mm 3-3/8in		90mm 3-1/2in	
	Max. size cutting tool	16mm 5/8in		22mm 7/8in	
THREADS	Lead screw diameter & pitch	Dia. 25mm Pitch 6mm / Dia. 1in 4 T.P.I.			
	metric threads	0.4 - 7.0 mm (32Nos)			
	inch threads	4 - 56 TPI (32Nos)			
	Module pitches	0.4 - 7.0 MOD. (32Nos) for metric system / 0.2 - 3.5 MOD. (27Nos) for inch system			
	Diametral pitches	8 - 120 DP (32Nos)			
FEEDS	Feed rod diameter	19mm 3/4in			
	Longitudinal feeds	0.067 - 1.485 mm/rev. 0.0033 - 0.0736 in/rev. (40Nos)			
	Cross feeds	0.033 - 0.742 mm/rev. 0.0011 - 0.0245 in/rev. (40Nos)			
WEIGHT & PACKING SIZE	Machine net weight	700 kgs	650 kgs	750 kgs	700 kgs
	Gross weight	820 kgs	770 kgs	880 kgs	830 kgs
	Packing size (L x W x H)	77x30x58 inch	67x30x58 inch	77x30x59 inch	67x30x59 inch

We reserve the right to modify and improve our products.



GOSAN MACHINERY CO., LTD.

NO.131 RUEIHE ST. DALI CITY, TAICHUNG HSIEN 412, TAIWAN, R.O.C.
TEL: 886-4-24950259 FAX: 886-4-24934507
E-mail: shyeshen@ms27.hinet.net http://www.shyesheng.com

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