JESCO

High Productivity Quality and Profitability



JESCO MACHINERY LTD.

P.O.BOX 14-9, TAIPING, 411, TAICHUNG, TAIWAN
TEL: 886-4-22702676
FAX: 886-4-22706295
EMAIL: jescomachinery@gmail.com
WEBSITE: www.jesco.com.tw

JESCO

High Speed Precision Lathes

- TRAINER
- MAJOR
- STUDTURN
- GENERAL
- KNIGHT
- CHAMPION

TRAINER.

High Productivity Quality and Profitability

- D1-4 Camlock spindle nose
- 8-step spindle speed from 105-2000rpm
- Optional 2-speed motor driven for 16-step speed from 53-2000rpm
- Optional variable-speed driven from 40-2500rpm in 2 variable ranges
- 3HP (2.25Kw) spindle motor
- Swing over bed 330mm
- Distance between center 750mm/1000mm
- Headstock gears with precision hardened and ground
- Universal gearbox provides comprehensive range of metric, imperial, M.P. and D.P threading
- Induction hardened & precision ground bed



New style design only available for VS - Model



MACHINE SPECIFICATIONS

SERIES		TRAINER	
MODELS		1330	1340
CAPACITY			
Centre height		165 (6.5)	
Swing over bed		330 (13)	
Swing over cross slide		190 (7.5)	
Swing in gap		510 (20)	
Distance between centres		750 (30)	1000 (40)
Gap width in front of faceplate		150 (6)	
Cross slide travel		145 (5.7)	
Top slide travel		95 (3.75)	
Width of bed		185 (7.3)	
Length of bed		1380 (54.25)	1650 (65)
MAIN SPINDLE			
Spindle nose (camlock)		D-1-4	
Spindle bore		35 (1.375)	
Spindle speed	Numbers	8	16-optional
	Ranges(RPM)	105-2000	53-2000
Varispeed	Gear steps	2	
	Ranges (RPM)	40-2500	
Spindle nose bush		MT#4	
Spindle centre		MT#3	
TAILSTOCK			
Tailstock spindle travel		100 (4)	
Tailstock barrel dia.		40 (1.56)	
Tailstock centre		MT#3	

SERIES		TRAINER	
MODELS		1330	1340
THREADING			
No. of whitworth threads		47	
Range of whitworth threads (T.P.I.)		4-144	
No. of metric threads		44	
Range of metric threads		0.2-14mm	
No. of Diametral pitch threads		30	
Range of D.P. threads		4-44DP	
No. of Module pitch threads		24	
Range of Module pitch threads		0.3-3.5mm	
FEED RANGE			
Longitudinal feeds		0.02-1.04 (0.0008-0.0410)	
Cross feeds		About 1/3 of Longitudinal feeds	
DRIVING MOTOR			
Main motor	Standard	2.25KW (3HP)	
	Optional	2.25/1.12KW(3/1.5HP)	
	Varispeed	2.25KW (3HP)	
PACKING SIZE			
Length		1720 (68)	1970 (76)
Width		850 (34)	
Height		1650 (65)	
New weight (Approx. kgs)		670	720
Gross weight (Approx. kgs)		800	870

- The specifications subject to change without prior notice.

STANDARD EQUIPMENT:

- Low voltage control system
- Coolant System
- Backplate for 3-jaw chuck
- Thread indicator
- Centers & center-sleeve
- Leveling blocks
- Service tools & toolbox
- Operation manual

Optional Accessories:

- 3-jaw chuck
- 4-jaw chuck
- Face plate
- Steady rest
- Follow rest
- Rotating center
- LED waking light
- Chuck guard
- Chip guard
- Leadscrew cover
- Full length splash guard
- Taper turning attachment
- Quick change toolpost
- CE electrical system
- Variable speed
- Magnetic brake
- Any others by consult

STUDTURN.

- D1-5 Camlock spindle nose
- 8-step spindle speed from 70-2000rpm
- Optional 2-speed motor driven for 16-step speed from 35-2000rpm
- Optional variable-speed driven from 35-2500rpm in 2 variable ranges
- 5HP (3.75Kw) spindle motor
- Swing over bed 360mm
- Distance between center 750mm/1000mm
- Headstock gears with precision hardened and ground
- Universal gearbox provides comprehensive range of metric, imperial, M.P. and D.P threading
- Induction hardened & precision ground bed





New style design only available for VS - Model

MACHINE SPECIFICATIONS

SERIES		STUDTURN	
MODELS		**1430**	**1440**
CAPACITY			
Centre height		178 (7)	
Swing over bed		360 (14.25)	
Swing over cross slide		215 (8.625)	
Swing in gap		560 (22)	
Distance between centres		750 (30)	1000 (40)
Gap width in front of faceplate		150 (6)	
Cross slide travel		195 (7.6)	
Top slide travel		100 (4)	
Width of bed		250 (10)	
Length of bed		1560 (61.25)	1820 (71.5)
MAIN SPINDLE			
Spindle nose (camlock)		D-1-5	
Spindle bore		42 (1.625)	
Spindle speed	Numbers	8	16-optional
	Ranges(RPM)	70-2000	35-2000
Varispeed	Gear steps	2	
	Ranges (RPM)	35-2500	
Spindle nose bush		MT#5	
Spindle centre		MT#3	
TAILSTOCK			
Tailstock spindle travel		120 (4.75)	
Tailstock barrel dia.		50 (2)	
Tailstock centre		MT#3	

SERIES		STUDTURN	
MODELS		**1430**	**1440**
THREADING			
No. of whitworth threads		36	
Range of whitworth threads (T.P.I.)		4-72	
No. of metric threads		27	
Range of metric threads		0.4-7mm	
No. of Diametral pitch threads		21	
Range of D.P. threads		8-44DP	
No. of Module pitch threads		18	
Range of Module pitch threads		0.3-3.5mm	
FEED RANGE			
Longitudinal feeds		0.03-0.40 (0.0012-0.016)	
Cross feeds		0.01-0.13 (0.0004-0.0053)	
DRIVING MOTOR			
Main motor	Standard	3.75KW(5HP)	
	Optional	3.75/2.25KW(5/3HP)	
	Varispeed	3.75KW(5HP)	
PACKING SIZE			
Length		1830 (72)	2135 (84)
Width		915 (36)	
Height		1525(60) 1675(66)-CE	
New weight (Approx. kgs)		850	900
Gross weight (Approx. kgs)		1000	1100

- The specifications subject to change without prior notice.

STANDARD EQUIPMENT:

- Low voltage control system
- Coolant System
- Backplate for 3-jaw chuck
- Thread indicator
- Centers & center-sleeve
- Leveling blocks
- Service tools & toolbox
- Operation manual

Optional Accessories:

- 3-jaw chuck
- 4-jaw chuck
- Face plate
- Steady rest
- Follow rest
- Rotating center
- LED waking light
- Chuck guard
- Chip guard
- Leadscrew cover
- Full length splash guard
- Taper turning attachment
- Quick change toolpost
- CE electrical system
- Variable speed
- Magnetic brake
- Any others by consult

CHAMPION.

Powerful high speed lathe with precision capacity

- D1-6 Camlock spindle nose
- 16-step spindle speed from 25-2000rpm
- Optional variable-speed driven from 25-2500rpm in 3 variable ranges
- 7.5HP (5.5Kw) spindle motor
- Swing over bed 390mm
- Distance between center 730mm/970mm/1230mm
- Headstock gears with precision hardened and ground
- Universal gearbox provides comprehensive range of metric, imperial, M.P. and D.P threading
- Induction hardened & precision ground bed



New style design only available for VS - Model



MACHINE SPECIFICATIONS

SERIES		CHAMPION		
MODELS		1530	1540	1550
CAPACITY				
Centre height		190 (7.5)		
Swing over bed		390 (15.25)		
Swing over cross slide		240 (9.5)		
Swing in gap		610 (24)		
Distance between centres		730 (28)	970 (38)	1230 (48)
Gap width in front of faceplate		150 (6)		
Cross slide travel		230 (9)		
Top slide travel		120 (4.75)		
Width of bed		270 (11)		
Length of bed		1710 (66.5)	1950 (76.5)	2200 (86.5)
MAIN SPINDLE				
Spindle nose (camlock)		D-1-6		
Spindle bore		54 (2.125)		
Spindle speed	Numbers	16		
	Ranges(RPM)	25-2000		
Varispeed	Gear steps	3		
	Ranges (RPM)	20-2500		
Spindle nose bush		MT#6		
Spindle centre		MT#4		
TAILSTOCK				
Tailstock spindle travel		155 (6.125)		
Tailstock barrel dia.		58.5 (2.312)		
Tailstock centre		MT#4		

SERIES		CHAMPION		
MODELS		1530	1540	1550
THREADING				
No. of whitworth threads		45		
Range of whitworth threads (T.P.I.)		2-72		
No. of metric threads		39		
Range of metric threads		0.2-14mm		
No. of Diametral pitch threads		21		
Range of D.P. threads		8-44DP		
No. of Module pitch threads		18		
Range of Module pitch threads		0.3-3.5mm		
FEED RANGE				
Longitudinal feeds		0.040-1.00 (0.0015-0.04)		
Cross feeds		0.02-0.50 (0.0008-0.02)		
DRIVING MOTOR				
Main motor	Standard	5.5KW (7.5HP)		
	Optional	7.5Kw(10HP)		
	Varispeed	5.5KW(7.5HP)		
PACKING SIZE				
Length		1970 (77)	2210 (87)	2515 (99)
Width		1016 (40)		
Height		1600(63) 1752 (69)-CE		
New weight (Approx. kgs)		1000	1150	1300
Gross weight (Approx. kgs)		1200	1350	1500

- The specifications subject to change without prior notice.

STANDARD EQUIPMENT:

- Low voltage control system
- Coolant System
- Backplate for 3-jaw chuck
- Thread indicator
- Centers & center-sleeve
- Leveling blocks
- Service tools & toolbox
- Operation manual

Optional Accessories:

- 3-jaw chuck
- 4-jaw chuck
- Face plate
- Steady rest
- Follow rest
- Rotating center
- LED waking light
- Chuck guard
- Chip guard
- Leadscrew cover
- Full length splash guard
- Taper turning attachment
- Quick change toolpost
- CE electrical system
- Variable speed
- Magnetic brake
- Any others by consult

MAJOR.

- D1-8 Camlock spindle nose
- 16-step spindle speed from 20-1600rpm
- Optional variable-speed drive from 20-2000rpm in 3 variable ranges
- 15HP (11.25Kw) spindle motor
- Swing over bed 460mm/510mm/560mm
- Distance between center 950mm/1450mm/1950mm/2950mm
- Headstock gears with precision hardened and ground
- Universal gearbox provides comprehensive range of metric, imperial, M.P. and D.P threading
- Induction hardened & precision ground bed

New style design only available for VS - Model





MACHINE SPECIFICATIONS

SERIES		MAJOR		
MODELS		2040 / 2060 / 2080 / 20120	2240/2260/2280/22120	
CAPACITY				
Centre height		254 (10)	280 (11)	
Swing over bed		510 (20)	560 (22)	
Swing over cross slide		340 (13.5)	390 (15.5)	
Swing in gap		760 (30)	810 (32)	
Distance between centres		950 (40) 1450 (60) 1950 (80) 2950 (120)		
Gap width in front of faceplate		220 (8.7)		
Cross slide travel		265 (10.5)		
Top slide travel		130 (5.1)		
Width of bed		345 (13)		
Length of bed		2110 (83) 2670 (105) 3175 (125) 4190 (165)		
MAIN SPINDLE				
Spindle nose (camlock)		D-1-8	D-1-8	D-1-11
Spindle bore		80 (3.125)	80	104 (for VS Model only)
Spindle speed	Numbers	16	16	xxx
	Ranges(RPM)	20-1600	20-1600	xxx
Varispeed	Gear steps	3	3	3
	Ranges(RPM)	20-2000	20-2000	18-1800
Spindle nose bush		MT#7	MT#7	MT#7
Spindle centre		MT#5	MT#5	MT#6
TAILSTOCK				
Tailstock spindle travel		180 (7)		
Tailstock barrel dia.		75 (3)		
Tailstock centre		MT#5		

SERIES		MAJOR		
MODELS		2040 / 2060 / 2080 / 20120	2240/2260/2280/22120	
THREADING				
No. of whitworth threads		45	45	73
Range of whitworth threads (T.P.I.)		2-72	2-72	2-84
No. of metric threads		39	39	66
Range of metric threads		0.2-14mm	0.2-14mm	0.2-14mm
No. of Diametral pitch threads		21	21	27
Range of D.P. threads		8-44DP	8-44DP	8-72
No. of Module pitch threads		18	18	20
Range of Module pitch threads		0.3-3.5mm	0.3-3.5mm	0.2-3.5
FEED RANGE				
Longitudinal feeds		0.04-1.0	0.04-1.0	0.04-2.8
Cross feeds		0.02-0.5	0.02-0.5	0.02-1.4
DRIVING MOTOR				
Main motor	Standard	11.25KW(15HP)		
	Optional	11.25KW(15HP)		
	Varispeed	11.25KW(15HP)		
PACKING SIZE				
Length		2460 (97) 2947 (116) 3455 (136) 4470 (176)		
Width		1100 (44)		
Height		1778(70) 1928(76)-CE	1830(72) 1980(78)-CE	
New weight (Approx. kgs)		2000/2200/2500/3500	2200/2400/2700/3700	
Gross weight (Approx. kgs)		2250/2500/2850/4000	2500/2700/3050/4200	

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STANDARD EQUIPMENT:

- Low voltage control system
- Coolant System
- Backplate for 3-jaw chuck
- Thread indicator
- Centers & center-sleeve
- Leveling blocks
- Service tools & toolbox
- Operation manual

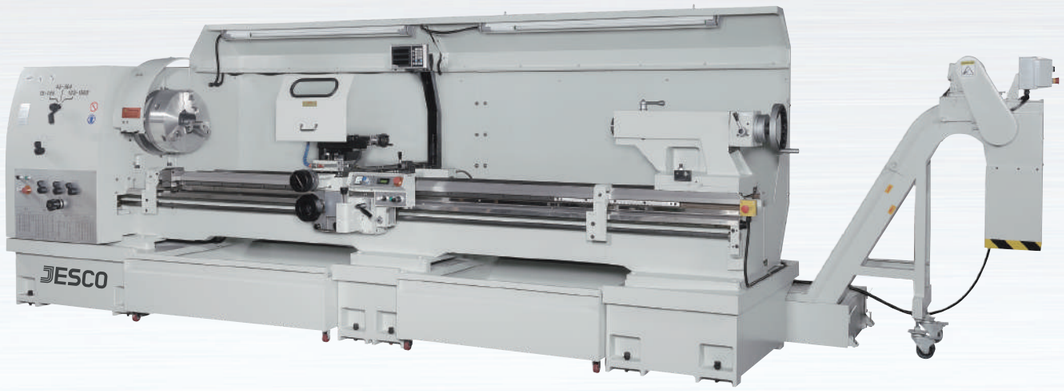
Optional Accessories:

- 3-jaw chuck
- 4-jaw chuck
- Face plate
- Steady rest
- Follow rest
- Rotating center
- LED waking light
- Chuck guard
- Chip guard
- Leadscrew cover
- Full length splash guard
- Taper turning attachment
- Quick change toolpost
- CE electrical system
- Variable speed
- Magnetic brake
- Any others by consult

GENERAL.

Powerful, heavy duty, Large capacity

- Spindle bore: 104mm (D1-11) and available for larger spindle bore: 155mm (A2-11)
- Variable-speed drive from 20-1800rpm in 3 variable-ranges
- 20HP(15Kw) spindle motor
- Swing over bed: 660mm/760mm
- Distance between center 1500mm/2000mm/3000mm/4000mm
- Headstock gears with precision hardened and ground
- Universal gearbox provides comprehensive range of metric, imperial, M.P. and D.P. threading
- Induction hardened & precision ground bed



New style design for more selection.



MACHINE SPECIFICATIONS

SERIES		GENERAL			
MODELS		2660 / 2680 / 26120 / 26160 / 26200 / 26240		3060 / 3080 / 30120 / 30160 / 30200 / 30240	
CAPACITY					
Centre height		330 (13)		380 (15)	
Swing over bed		660 (26)		760 (30)	
Swing over cross slide		470 (18.5)		570 (22)	
Swing in gap		860 (33.85)		960 (37.80)	
Distance between centres		1500 (60) 2000 (80) 3000 (120) 4000 (160) 5000 (200) 6000(240)			
Gap width in front of faceplate		300 (11.8)			
Cross slide travel		390 (15)			
Top slide travel		190 (7.5)			
Width of bed		480 (18.9)			
Length of bed		3015 (118) 3515 (138) 4530 (178) 5545 (218) 6515 (256) 7515 (295)			
MAIN SPINDLE					
Spindle nose (camlock)		D-1-11	A2-11	D-1-11	A2-11
Spindle bore		104 (4.125)	155 (6)	104 (4.125)	155 (6)
Spindle speed	Numbers	---			
	Ranges(RPM) Low / Medium / High	18-200rpm 55-605rpm 160-1800rpm	32-172rpm 97-515rpm 263-1400rpm	18-200rpm 55-605rpm 160-1800rpm	32-172rpm 97-515rpm 263-1400rpm
Varispeed	Gear steps	3 (18-1800rpm)	3 (32-1400rpm)	3 (18-1800rpm)	3 (32-1400rpm)
	Ranges (RPM)	---			
Spindle nose bush		MT#7	---	MT#7	---
Spindle centre		MT#6	---	MT#6	---
TAILSTOCK					
Tailstock spindle travel		300 (12)			
Tailstock barrel dia.		105 (4.125)			
Tailstock centre		MT#6			

SERIES		GENERAL	
MODELS		2660 / 2680 / 26120 / 26160 / 26200 / 26240	3060 / 3080 / 30120 / 30160 / 30200 / 30240
THREADING			
No. of whitworth threads		73	
Range of whitworth threads (T.P.I.)		2-84T.P.I	
No. of metric threads		51	
Range of metric threads		0.2-14mm	
No. of Diametral pitch threads		27	
Range of D.P. threads		8-72D.P.	
No. of Module pitch threads		20	
Range of Module pitch threads		0.2-3.5mm	
FEED RANGE			
Longitudinal feeds		0.04-2.8mm/rev	
Cross feeds		0.02-1.4mm/rev.	
DRIVING MOTOR			
Main motor	Standard	15KW (20HP)	
	Optional	22.5KW (30HP)	
	Varispeed	---	
Leadscrew		40mm x 4TPI(40mm x 6mm)	
PACKING SIZE			
Length		3620 (142) 4120 (162) 5120 (202) 6120 (242) 7120 (280) 8120 (320)	
Width		1940 (76.4)	
Height		2250 (88.6)	
New weight (Approx. kgs)		3800/4300/5400/ 6500/7800/9200	4000/4500/5600/ 6700/8000/9400
Gross weight (Approx. kgs)		4300/5000/6000/ 7200/8600/10100	4500/5200/6200/ 7400/8800/10300

- The specifications subject to change without prior notice.

STANDARD EQUIPMENT:

- Low voltage control system
- Coolant System
- Backplate for 3-jaw chuck
- Thread indicator
- Centers & center-sleeve
- Leveling blocks
- Service tools & toolbox
- Operation manual

Optional Accessories:

- 3-jaw chuck
- 4-jaw chuck
- Face plate
- Steady rest
- Follow rest
- Rotating center
- LED waking light
- Chuck guard
- Chip guard
- Leadscrew cover
- Full length splash guard
- Taper turning attachment
- Quick change toolpost
- CE electrical system
- Variable speed
- Magnetic brake
- Any others by consult