

# VICTOR®

## 2400 • 2900 T-SERIES

# PRECISION HEAVY-DUTY LATHE

### FEATURES

- The high precision spindle is ground, hardened and supported by three bearings (Two taper roller bearings and one ball bearing)
- 4-1/8" (105 mm) spindle bore D1-11 nose
- Magnetic multiple-disc clutches are used for efficient starting and reversing the spindle
- Rapid and positive magnetic brake interconnected with main clutcher operated by emergency switch or foot control
- All running parts are lubricated by a pressure pump in gear box
- Sliding, surfacing and screw-cutting motions are fully interlocked in apron
- A cone-clutch device in the apron to prevent overload
- Induction hardened and precision ground bedway is made of high tension mechanize casting
- A dual feed rate by means of a reduction gear system (ratio 1:1, 1:1/4) in the tailstock, provides easy operation for drilling



SPECIFICATIONS		2400T	2900T
GENERAL CAPACITY	Center height	11-7/8" (300 mm)	14-3/4" (370 mm)
	Swing over bed	23-5/8" (600 mm)	29-1/8" (740 mm)
	Swing over gap (Gap type only)	32-1/4" (820 mm)	37-25/32" (960 mm)
	Swing over cross-slide	15" (380 mm)	20-1/2" (520 mm)
	Distance between centers	53" (1,350 mm), 73" (1,850 mm), 115" (2,920 mm), 155" (3,930 mm)	
MAIN SPINDLE	Spindle nose	D1-11 Camlock	
	Spindle bore diameter	4-1/8" (105 mm)	
	Taper of spindle bore	108 x 1 : 20	
	Taper of center	M.T. # 5	
	Spindle speeds	25 ~ 1,200 rpm (12 steps)	
CARRIAGE	Cross slide travel	13" (330 mm)	16-1/4" (412 mm)
	Compound rest travel	9" (230 mm)	
	Max. size cutting tool	1" x 1" (25 x 25 mm)	
TAILSTOCK	Spindle diameter	3-1/32" (77 mm)	
	Spindle travel	7" (178 mm)	
	Taper of center	M.T. # 5	
BED	Bed length	102" / 122" / 164" / 205" (2,590 / 3,090 / 4,160 / 5,210 mm)	
	Bed width	16-1/2" (420 mm)	
	Width of gap	20-1/4" (515 mm)	
THREADING & FEEDING	Pitch of leadscrew	Ø 1-1/2" (38 mm) 4 TPI or 6 mm / pitch	
	Metric pitch threads	0.5 ~ 14 mm x 31 kinds	
	Inch pitch threads	2 ~ 56 TPI x 45 kinds	
	Module pitch threads	0.25 ~ 7 M.P. x 23 kinds	
	Diametral pitch threads	4 ~ 112 D.P. x 43 kinds	
	Range of longitudinal feeds	0.0012" ~ 0.0287"/rev. (0.03 ~ 0.73mm/rev.)	
	Range of cross feeds	0.0004" ~ 0.0118"/rev. (0.01 ~ 0.3 mm/rev.)	
POWER	Main drive motor	20 HP (14.92 kw) 3PH	
	Rapid traverse motor	1/2 HP 3PH	
	Coolant pump motor	1/8 HP 3PH	
<b>Approx. net weight</b>		7,260 / 7,444 / 9,174 / 10,406 lb	7,800 / 8,200 / 9,600 / 10,500 lb
<b>Approx. gross weight</b>		8,250 / 8,690 / 10,010 / 11,000 lb	8,730 / 9,200 / 10,500 / 11,440 lb
<b>Packing measurement approx. (L X W X H)</b>		120" / 140" / 190" / 220" x 54" x 75"	

• Specifications are subject to change without notice for further design improvements.

### STANDARD MACHINE ACCESSORIES

1. Main motor 20 HP	1 pc	4. Coolant system	1 set	7. Leveling screws & pads
2. M.T. #5 dead center	2 pcs	5. Change gears for module & D.P. threading	1 set	8. Tool box with tool kits
3. Chuck cover w/ limit switch	1 set	6. Inch/metric dual dial	1 set	9. Repair paint 1 can

### OPTIONAL MACHINE ACCESSORIES

1. Steady rest with rollers support	6. Drive plate	11. Halogen work light
2. Follow rest	7. Digital readout	12. Full length splash guard
3. 3-jaw scroll chuck	8. Micro carriage stop	13. Taper turning attachment
4. 4-jaw independent chuck	9. Extension quills for 15" steady rest	14. Quick change tool post
5. Face plate	10. Live center M.T. #5	15. Steady rest 19" with rollers support



## MACHINERY SOLUTIONS, INC.

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