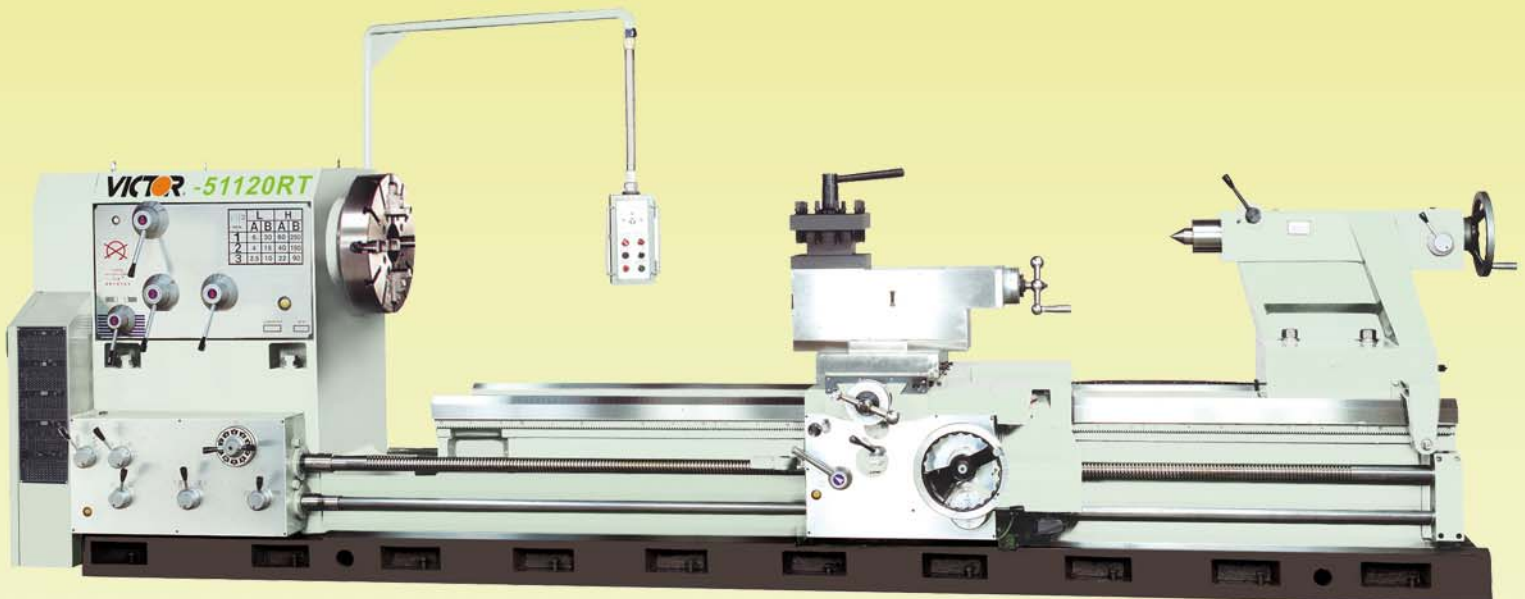


# VICTOR<sup>®</sup> 4500RT • 5100RT SERIES

## BIG BORE HEAVY-DUTY LATHE

### Features

- 6.02" spindle bore is designed to accommodate larger diameter workpieces
- Carbonized and precision ground Ni-Cr-Mo alloy steel gears and shafts
- The precision ground spindle is supported by high precision bearings suitable for heavy and precision cutting
- One piece structure bed enhances the machine's life and working performance
- High tensile cast iron wide bed to ensure rigidity, stability, and low vibration during machining operations
- Universal gearbox for inch, metric, D.P., and module threading without changing gears
- Oil bath lubrication and a built-in safety clutch safeguard the continuous and proper operation of the gearbox
- Automatic forced lubrication system in the headstock
- Control of the main drive through the electromagnetic brake
- The tailstock is equipped with a two-speed quill feed for convenience in drilling work
- Automatic lubrication system built inside the apron
- A locked safe device protects feeding and threading operations
- 4-way power rapid traverse



The machine is shown with optional accessories.

SPECIFICATIONS			4500RT Series			5100RT Series		
CAPACITY	Swing over bed		45" (1,160 mm)			51" (1,310 mm)		
	Swing over cross slide		33" (850 mm)			39" (1,000 mm)		
	Swing in gap diameter		67" (1,700 mm)			72.80" (1,850 mm)		
	Width of gap		22" (560 mm)					
	Between centers		59.00" (1,500 mm)	78.74" (2,000 mm)	118.11" (3,000 mm)	157.48" (4,000 mm)	196.85" (5,000 mm)	236.22" (6,000 mm)
	Width of bed		26" (660 mm)					
HEADSTOCK	Spindle bore		6.02" (153 mm) (9.06", 12.13" optional)					
	Spindle nose		A2-11 (Optional bore 9" is A2-15 & 12" is A2-20)					
	Spindle sleeve		M.T. #6					
	Speed number		12 Steps					
	Speed range		4 ~ 400 rpm (6" & 12") 5 ~ 500 rpm (9")					
CARRIAGE	Cross slide travel		25" (635 mm)					
	Compound rest travel		16.50" (420 mm)					
	Rapid travel speed on carriage		78-3/4" /min. (2,000 mm /min.)					
THREADS & FEEDS	Leadscrew diameter		2-1/4" (57 mm) x 2 TPI					
	Inch threads		1/4 ~ 30 TPI x 70 Kinds					
	Metric threads		1 ~ 120 mm pitch x 62 Kinds					
	Diametral pitch threads		1 ~ 120 D.P. x 70 Kinds					
	Module pitch threads		0.25 ~ 30 M.P. x 53 Kinds					
	Longitudinal feeds	Inch	0.0033" ~ 0.40" /rev.					
		Metric	0.085 ~ 10.08 mm /rev.					
	Cross feeds	Inch	0.0017" ~ 0.20" /rev.					
		Metric	0.042 ~ 5.04 mm /rev.					
TAILSTOCK	Quill diameter		4-7/8" (125 mm)					
	Quill travel		13-3/8" (340 mm)					
	Quill center taper		M.T. #6					
	Quill feed ratio (2-speed)		1:1 and 1:4					
POWER	Main motor		30 HP 4P / 3 Phase					
	Rapid travel motor		1 HP					
	Coolant pump		1/4 HP					
WEIGHT & DIMENSIONS	Packing size LxWxH (Inch)		161x80x88	181x80x88	221x80x88	260x80x88	301x80x88	341x80x88
	Net weight (Approx.)		17,420 lb. (7,900 kg)	18,740 lb. (8,500 kg)	21,390 lb. (9,700 kg)	24,030 lb. (10,900 kg)	26,680 lb. (12,100 kg)	29,330 lb. (13,300 kg)

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

#### STANDARD ACCESSORIES

1. Center sleeve	5. Chuck cover with limit switch	9. Dead center M.T. #6
2. 4-way tool post	6. Auto lubrication system	10. Leveling screws and pads
3. 4-way power rapid traverse	7. Halogen work light	11. Operation manual & parts list
4. Electromagnetic brake	8. Coolant system	12. Tool box with tools

#### OPTIONAL ACCESSORIES

1. Taper turning attachment	5. Steady rest with rollers support	9. Live center
2. Quick change tool post	6. Follow rest	10. Micro carriage stop
3. 3-jaw scroll chuck	7. Traveling rear splash guard	11. Rear chuck adapter
4. 4-jaw independent chuck	8. Digital readout (DRO)	



## MACHINERY SOLUTIONS, INC.

For more information please call: (310) 537-2522

web-site: [www.victormachines.com](http://www.victormachines.com) e-mail: [info@victormachines.com](mailto:info@victormachines.com)