

VICTOR®

M-40

HIGH PRECISION • HIGH QUALITY

UNIVERSAL CUTTER & TOOL GRINDER

The Victor M-40 Universal Cutter and Tool Grinder can perform a wide variety of work. In addition to almost limitless application as a tool sharpener, the M-40 can also be adapted to light cylindrical, surface and internal grinding operations. A wide selection of attachments permit you to extend the versatility of the basic machine to suit your specific needs.



SPECIFICATIONS

Capacity		Range of movement	
Swing over table	10" (250 mm)	Longitudinal movement of table	16" (400 mm)
Distance between centers	27 ¹ / ₂ " (700 mm)	Cross movement of saddle	10" (250 mm)
Distance between tailstock & workhead	22 ³ / ₄ " (580 mm)	Graduation for table swivel movement	± 60°
Taper hole in workhead spindle	one end ASA No. 50 other end M.T.-No. 5 (B & S No. 12)	Table graduation on end, for taper of	± 10°
Table		Vertical movement of wheel head	10" (250 mm)
T-Slot (number & size)	one 0.565" (14.30 mm +0.05 mm) 0.563" (14.30 mm -0.00 mm)	Wheel head tilts	± 15°
Working surface	5 ⁵ / ₁₆ " x 37" (135 x 940 mm)	Wheel head swivels	360°
Grinding wheel spindle rpm	2,600, 3,700, 6,200 rpm	From wheel spindle center to top of table	max. 12" (300 mm) min. 2" (50 mm)
Grinding wheel spindle motor	1 HP 0.75 kw	From wheel spindle center to T-slot center	max. 16 ¹ / ₂ " (415 mm) min. 6 ¹ / ₂ " (165 mm)
		Required floor space	61" x 68 ¹ / ₂ " (1,550 x 1,735 mm)
		Net weight of machine	2,560 lbs (1,160 kgs)
		Packing measurement approx.	58" x 58" x 60" (1,460 x 1,460 x 1,510 mm)

STANDARD ACCESSORIES

1. Workhead	15. Pin wrench	30. Grinding wheel 3" x 1/2" x 1/2"
2. Left hand tailstock	16. Micrometer adjustable toothrest (with round top blade)	31. Double end wrench
3. Right-hand tailstock	17. Levelling pads (3 pcs)	32. Nut wrench (#22 & #24 2 kinds)
4. Diamond dresser holder	18. Touch-up paint	33. Driver
5. Wheel guard (4 kinds)	19. Plain tooth rest holder (with offset blade)	34. Allen type wrench
6. Wheel guard holder (long)	20. Reducing collet MT No. 5 x No. 4 (B & S No. 12 x No. 10)	35. Washer for 1/8" dia. grinding wheel
7. Wheel guard holder (short)	21. Reducing collet MT No. 5 x No. 3 (B & S No. 12 x No. 9)	36. Center for workhead spindle M.T. No. 2 (B & S No. 7)
8. Universal tooth rest plate and blade holder extension	22. Reducing collet MT No. 5 x No. 2 (B & S No. 12 x No. 7)	37. 4" spindle extension
9. Center gauge	23. Grinding wheel sleeves (5 sets)	38. 4" extension wheel sleeve and collar
10. Collet wrench	24. Grinding wheel 6" x 3/4" x 1/4"	39. Belt for spindle drive (Poly-flex belt)
11. Plain tooth rest holder (with offset blade)	25. Grinding wheel 6" x 1/2" x 1/4" (white)	40. Draw-in bolt for workhead and washer
12. Ejector rod	26. Grinding wheel 6" x 1/2" x 1/4" (green)	41. Tool cabinet
13. T-wrench for grinding wheel sleeve	27. Grinding wheel 3 1/2" x 1 1/2" x 1/4"	42. Extension and washers of slit-saw and side-mill cutters
14. Sleeve extracting bar	28. Grinding wheel 4" x 1/16" x 1/2"	
	29. Grinding wheel 5" x 1 1/2" x 1/4"	

OPTIONAL ACCESSORIES

1. Face mill grinding attachment	6. Cylindrical grinding attachment	10. Drill pointing attachment
2. Radius grinding attachment no. 1	(Includes 3-scroll chuck 4" & back plate)	11. Lathe & planer tool grinding attachment
3. Radius grinding attachment no. 2	7. Workhead indexing attachment 24T	12. Spring collet chuck 5/25"-1" (6-25mm)
4. Helical grinding attachment	8. Extended grinding wheel spindle	13. Wet grinding attachment
5. Internal grinding attachment	9. Surface grinding attachment	14. Dust collector

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