KAAST

T-Mill

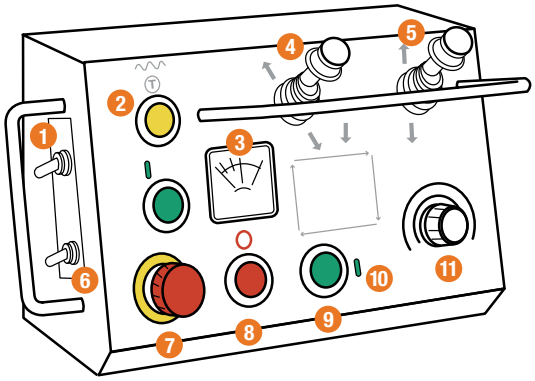
1000 | 1250 | 1600 | 2000

Universal Tool Milling Machine, Horizontal & Vertical Milling 14x59" to 24x102"

The T-Mill high-precision universal tool mill is ideal for **toolmaking**, **short production runs**, and **training**. The **head swivels in two planes**, allowing the spindle to pivot at nearly any angle. Its heavily **ribbed cast frame** and high **intrinsic weight** provide excellent stability and support for heavy table loads. **Infinitely adjustable axis feeds** and **ground and hardened gears** ensure smooth and precise operation, even at high spindle speeds.

STANDARD CONFIGURATION

- Meehanite Cast Iron
- Automatic Lubrication
- CrMo Hardened and Ground Gears
- Huron Design Milling Head



CONTROL PANEL

1. Coolant ON/OFF
2. Rapid
3. Utilization Display (Optional)
4. Longitudinal and Cross Feed
5. Z-Axis Feed
6. Spindle Jog
7. Clockwise Rotation Spindle
8. Emergency STOP
9. Spindle STOP
10. Counter-Clockwise Rotating Spindle
11. Feed Potentiometer

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.

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OPTIONAL CONFIGURATION

- 3-Axis Digital Readout (DRO)
- Horizontal Milling Attachment
- Universal Indexing Head
- 150 mm (6") Swivel Vise
- Helical Milling Device
- Hydraulic Tool Clamping System
- Electromagnetic Spindle Brake
- Work Light

3-Axis Digital Readout (DRO) is Included

T-Mill			1000	1250	1600	2000
			14" x 59"	16" x 71"	21" x 87"	24" x 102"
Table Dimensions (W/L)		mm	360x1500 (14x59")	400x1800 (16x71")	540x2200 (21x87")	600x2600 (24x102")
Axis Travel: X		mm	1000 (39")	1250 (49")	1600 (63")	2000 (79")
Spindle-Table Distance (Horizontal, with Retainers)		mm	90–520 (3.5–20")	50–520 (2–20")	50–760 (2–30")	
Spindle-Table Distance (Vertical)		mm	90–520 (3.5–20")	50–520 (2–20")	50–760 (2–30")	
Axis Travel: Y		mm	540 (21")		710 (28") [Opt. 760 (30")]	
Feed Rate: X/Y			Variable			
Work Feed: X/Y		mm/min	16–1200 (0.6–47"/min)			
Rapid Traverse: X/Y		mm/min	2000 (78"/min)			
T-Slots Size/Qty/Dist		mm	18x4pc.x80 (0.7x4x3")		18x6pc.x80 (0.7x6x3")	
Max. Table Load		kg	800 (1,760 lbs)	1000 (2,200 lbs)	1500 (3,300 lbs)	
Spindle Taper			SK50			
Speeds		rpm	(12) 40–1750		(8) 120–1500	
Z-Axis Travel		mm	430 (17")	470 (18.5")	710 (28")	
Feed Rate: Z			Variable			
Work Feed: Z		mm/min	8–450 (0.3–17"/min)			
Rapid Traverse – Z		mm/min	700 (27"/min)			
Spindle-Column Distance (Vertical)		mm	500 (20")		750 (29.5")	
Spindle-Column Distance (Horizontal)		mm	500 (20")		750 (29.5")	
Main Spindle Motor		kW	5.5 (8 Hp)		11 (15 Hp)	
Feed Motor	X	kW	1.5 (2 Hp)		2 (3 Hp)	3.6 (5 Hp)
	Y	kW	1.5 (2 Hp)		2 (3 Hp)	3.6 (5 Hp)
	Z	kW	1.5 (2 Hp)		2 (3 Hp)	3.6 (5 Hp)
Dimensions (L/W/H)		mm	2050x2535x1800 (81x100x71")	3000x2535x1830 (118x100x72")	2850x3060x2700 (112x120x106")	3000x3060x2700 (118x120x106")
Weight		kg	2900 (6,380 lbs)	3200 (7,040 lbs)	6500 (14,300 lbs)	8100 (17,820 lbs)
Item No.			6710050	6710051	6710052	6710053

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