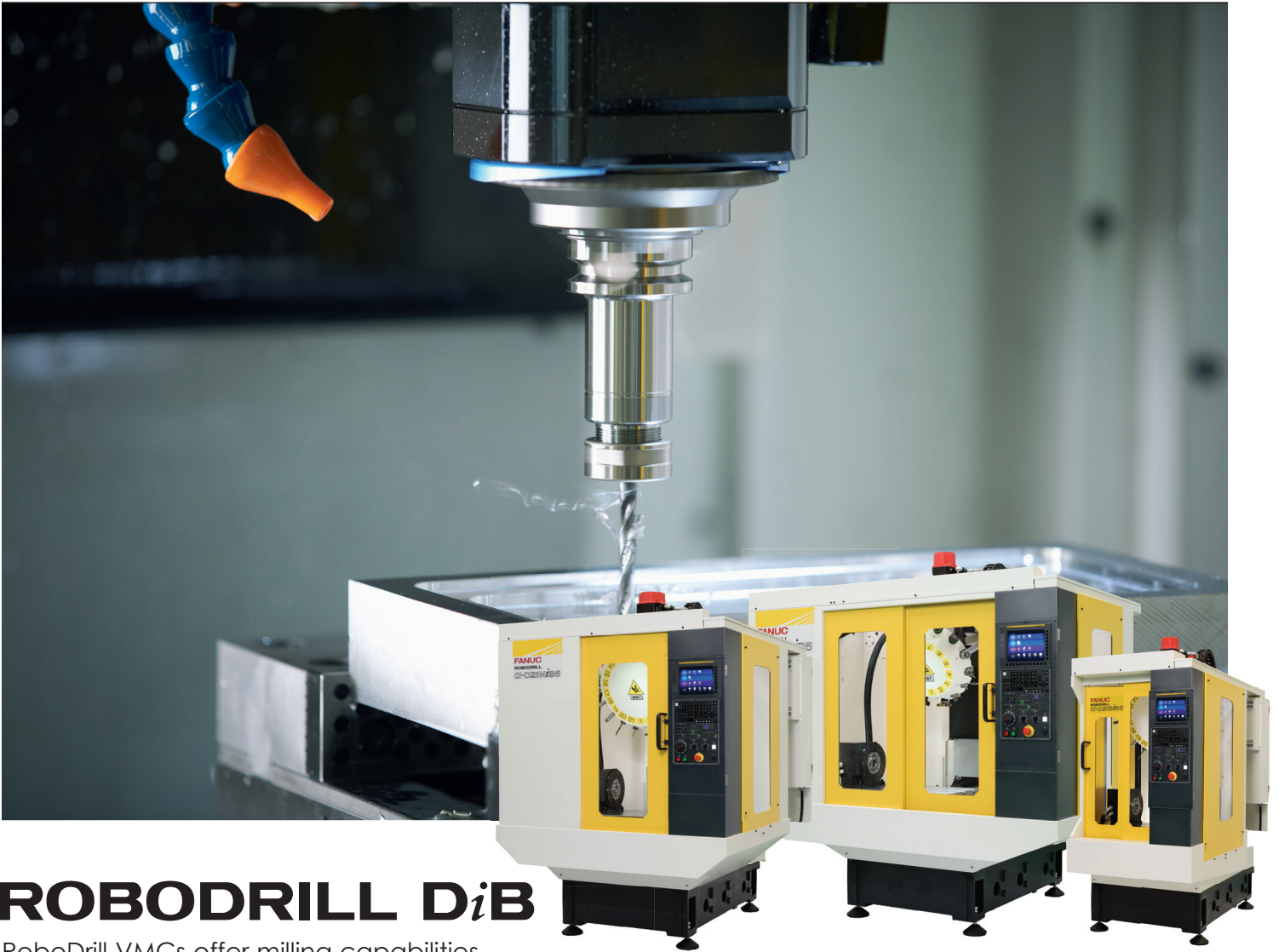


# FANUC

An economical workhorse VMC designed and built for years of continuous milling, drilling, & tapping.



## ROBODRILL DiB

RoboDrill VMCs offer milling capabilities unmatched in a 30 taper machine. Available in three sizes with BIG-PLUS spindles, (10K & 24K) 21 station tool changer and the high performance FANUC 31i-B5 Nano control, RoboDrill VMCs provide lightning fast milling, drilling, tapping, and ease of operation.



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# ROBODRILL DiB | Specs

Specification	Unit	Short Bed	Medium Bed	Long Bed
<b>Travel</b>				
X / Y / Z Axis Travel	inches (mm)	11.8 / 11.8 / 13 (300 / 300 / 330)	19.7 / 15.7 / 13 (500 / 400 / 330)	27.6 / 15.7 / 13 (700 / 400 / 330)
Spindle to Table	inches (mm)	5.9 ~ 18.9 (150 ~ 480)		
<b>Table</b>				
Table Size	inches (mm)	24.8 x 13 (630 x 330)	25.6 x 15.7 (650 x 400)	33.5 x 16.1 (850 x 410)
Load Capacity	lbs. (kg)	441 (200)	661 (300)	
<b>Spindle</b>				
Spindle Taper	-	BBT-30 BIG PLUS		
Spindle Speed:	10,000 rpm	HP 1 minute (continuous)	18.7 (5.4)	
	24,000 rpm		34.8 (7.3)	
Max Torque (10k / 24k rpm)	ft./lbs. (1 minute)	73.8 / 25.8		
<b>Feedrate</b>				
X / Y / Z Axis Rapid Traverse	In./min. (m/min.)	2125 / 2125 / 2125 (54 / 54 / 54)		
Contouring	in./min. (m/min.)	2125 (54)		
Acceleration	G	1.5		
<b>Automatic Tool Changer</b>				
ACT Turret Capacity	-	21 tools (14 op.)		
Max. Tool Weight	lbs. (kg)	4.4 (6.6)		
Max. Tool Length	inches (mm)	9.8 (250)		
Max. Tool Diameter	inches (mm)	3.14 (80)		
Tool Change Time:	Tool to Tool	seconds	0.9 / 1.1	
	Chip to Chip	seconds	1.6 / 2.1	
<b>General</b>				
Floor space	inches (mm)	40 x 94.9 x 88.1 (1016 x 2410 x 2238)	62 x 94.9 x 88.1 (1575 x 2410 x 2238)	84 x 94.9 x 88.1 (2134 x 2410 x 2238)
Machine weight	lbs. (kg)	4290 (1946)	4400 (1996)	4620 (2096)
<b>Control</b>				
Fanuc	-	31i-B5 iHMI interface		

\*Specifications subject to change without notice

## Standard Features

- Alpha numeric keypad
- 1,000 registerable programs
- 54 work offsets
- 3 axis simultaneous machining
- 31i-B5 Nano CNC system
- Ultra precise 32,000,000 pulse/rev encoders
- Ai Contour Control I
- Thermal growth compensation
- Part program storage: 2 MB
- Tool compensation memory C
- Helical Interpolation
- Rigid Tapping 5,000/8,000 RPM
- Thread milling
- High Speed Reverse Tapping
- "Quick" Tap recovery system
- Custom macro B
- Canned cycles for drilling
- Coordinate system rotation
- Coordinate system setting
- Simultaneous ATC / table positioning
- On screen display of spindle 'rpm' and 'load' meters

## Optional Features

- Linki machine monitoring
- Rotary tables and indexers
- 4th and 5th axis simultaneous machining
- Chip management
- Probes
- Automation
- Methods Turnkeys Solutions



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### TECHNICAL CENTERS FROM COAST TO COAST

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