



FANUC

RoboDrill



eco

RoboDrill ECO/ECOplus

- RoboDrill 10K RPM Spindle
- 1.6 Second Chip-to-Chip
- 1.5G Acceleration/Deceleration
- FANUC 31 i-B Control + IHMI Interface
- Methods Automation Available



eco PLUS+

Introducing the New ECOplus

Showrooms and Technical Centers
Boston Charlotte Chicago Detroit
Los Angeles Memphis Phoenix San Francisco

 **Methods**

877.668.4262 | methodsmachine.com

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Travels	ECO D14MiB	ECOplus D21MiB	ECOplus D21LiB
X-Axis Travel	19.7" (500mm)	19.7" (500mm)	27.6" (700mm)
Y-Axis Travel	15.7" (400mm)	15.7" (400mm)	15.7" (400mm)
Z-Axis Travel	13" (330mm)	13" (330mm)	13" (330mm)
Spindle to Table	18.9" (480mm)	18.9" (480 mm)	18.9" (480 mm)
Feed Rate			
X / Y / Z Axis Rapid Traverse	1889 in/min (41 m/min)	1889 in/min (41 m/min)	1889 in/min (41 m/min)
Table			
Table Size	25.6" x 15.7" (650mm x 399mm)	25.6" x 15.7" (650mm x 399mm)	33.5" x 16.1" (851mm x 409mm)
Table Capacity	660lbs (300kg)	660lbs (300kg)	660lbs (300kg)
Spindle			
Spindle Speed	10,000rpm	10,000rpm / 24,000rpm	10,000rpm / 24,000rpm
Spindle Taper	BT-30	BT-30	BT-30
Tooling			
Number of Tools	14	21	21
Tool to Tool Change Time	0.9 seconds	0.9 seconds	0.9 seconds
Chip to Chip Change Time	1.6 seconds	1.6 seconds	1.6 seconds
General			
Machine Weight	4,400lbs (1,996kg)	4,400lbs (1,996kg)	4,620lbs (2,096kg)

*Specifications subject to change without notice

Features / Benefits

- Compact Design
- FANUC 31i-B Nano CNC System
- Ultra Precise 32,000,000 Pulse/Rev Encoders
- Ai Contour Control I
- Thermal Growth Compensation
- 1.5G Accel/Decel
- Helical Interpolation
- Rigid Tapping 5,000rpm
- Thread Milling
- High Speed Reverse Tapping
- "Quick" Tap Recovery System
- Simultaneous ATC / Table Positioning
- Easy to Automate
- Coolant Thru Ready
- Built 100% in Japan

Options

- Chip Conveyors
- 4/5 Axis tables
- Tool Probes
- Spindle Probes
- Programmable Coolant Nozzels
- 1,000psi Coolant Thru
- Mist Collector
- Auto Doors
- Column Risers
- Full Turn-Key Solutions
- Methods Automation Packages