

High-Reliability and High-Performance
Compact Machining Center

ROBODRILL α -DiB Plus series

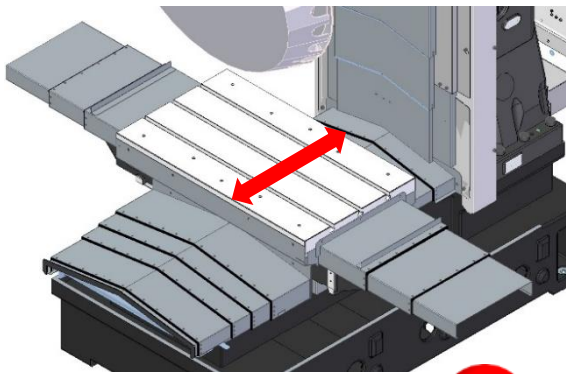
NEW Line-up



ROBODRILL α -D28LiB5_{ADV} Plus Y500

Renewal of Advanced version L-Type!

Features



Y-axis stroke 500mm



- Stroke extension by 100mm to apply large parts such as electric vehicle
- Table size: 850mm×500mm (+90mm)
- Approach from front door to table: 180mm (-110mm)



Tool storage 28 tools



- Max. tool length: 250 mm
 - Max. tool mass: 4 kg (total 46kg)
 - Tool change time: 0.7 s (1.5kg/tool)
- ※ 28 tools is option for ADV M/L type.
※ 14 or 21 tools are also available.

Latest information of ROBODRILL is available on our website.

<https://www.fanuc.co.jp/en/product/robodril/index.html>



Demonstration

Process integrated machining of large part



Workpiece size: 700×470×184 mm

Machining mode setting function 2

NEW

- Upgrade of reputed Robodrill function
- Easy tuning with intuitive operation



DDR-TLiB (Raised version)

NEW

- Max. turn diameter $\phi 540$ mm to make the most of Y-axis stroke

Cycle time reduction

NEW

- Z-axis speed and acceleration enhanced
- Canned cycle for Robodrill (G-codes) reduces drilling/tapping time, etc.
- Fast Cycle-time Technology of FANUC CNC

Specifications

Item		ROBODRILL α -DLiB ^{ADV} Plus Y500 series
Capacity	X-axis travel	700 mm
	Y-axis travel	500 mm (conventional 400 mm)
	Z-axis travel	400 mm
Table	Working space	850 mm × 500 mm (conventional 850 mm × 410 mm)
	Capacity of workpiece mass	400 kg (uniform load)
Rapid traverse rate		X,Y: 54 m/min Z: 60 m/min (conventional 54 m/min) *changes by tool weight setting
Turret	Max. tool mass [total mass]	28 tools: 1.5kg[24kg], 2kg[30kg], 3kg[38kg], 4kg[46kg] 21 tools: 2kg[23kg], 3kg[33kg], 4kg[46kg] 14 tools: 2kg[15kg], 3kg[22kg], 4kg[30kg]
	Tool change time (Tool to Tool)	28 tools: 0.7 s / 21 tools: 0.7 s / 14 tools: 0.7 s *with fastest setting
Machine size	Machine height (without high-column)	28 tools: 2428 mm ± 10 mm 21/14 tools: 2236 mm ± 10 mm
	Floor space	2165 mm × 2115 mm (conventional 2165 mm × 2050 mm)
	Mass of machine	Approx. 2450 kg (conventional Approx. 2350 kg)

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