

# ROBODRILL $\alpha$ -D28LiB5ADV Plus Y500 Mechanical specifications



ROBODRILL $\alpha$ -D28LiB5ADV Plus Y500			
Travel X/Y/Z	mm		700 x 500 x 400
Table size	mm		850 x 500
Max. table load	kg		400
Machine mass/with DDR-TiB	t		2.3/2.5
Max. tool length	mm		250
Max. tool diameter	mm		80
Max. tool mass	kg		4
Total mass	kg		46
Number of tools			28
Spindle holder 7/24 taper No.30			○
Spindle holder BBT30			●
Distance from spindle nose to table (with HC200)	mm		280-680
Controller			31i-B5 Plus
Spindle speed	rpm		10000   24000
Spindle load 10,000 rpm (1 min)	Nm   kW		80   14.2
Spindle load 10,000 rpm (continuous operation)	Nm   kW		13.6   4
Spindle load 24,000 rpm (1 min)	Nm   kW		35   26
Spindle load 24,000 rpm (continuous operation)	Nm   kW		7.5   5.5
Rapid traverse in X/Y/Z-axis	m/min		54/54/60
Maximum programmable cutting feed (l)	mm/min		30000
Tool change time (1.5 kg-tool) (cut to cut)	s		1.3
Bidirectional accuracy of positioning of an axis (ISO230-2:1988)	mm		< 0.006
Bidirectional repeatability of positioning of an axis (ISO230-2:1997,2006)	mm		< 0.004
Air pressure consumption	L/min   MPa		160   0.35-0.55

- Not available      ● Available      ○ Optional

# ROBODRILL $\alpha$ -D28LiB5ADV Plus Y500 Dimensions

