

State-of-the-Art Magnetic Drilling Machines

RANGE
AT A
GLANCE

				
SPECIFICATION	CUB	CUB AUTO	CUB3	SUPER
Spindle	Direct Arbor	Direct Arbor	Direct Arbor	MT2
Tool Holder	19mm Weldon	19mm Weldon	19mm Weldon	19mm Weldon
Core Drill	36mm	36mm	36mm	51mm
Twist Drill	16mm	16mm	16mm	23mm
Countersinking	40mm	40mm	40mm	50mm
Max. Tap Size	-	-	-	-
Max. Depth of Cut	51mm	51mm	20mm with HSS cutters 30mm with TCT cutters	76mm
Voltage	230V, 1ph, 50Hz	230V, 1ph, 50Hz	230V, 1ph, 50Hz	230V, 1ph, 50Hz
Speeds (rpm) under load	350	350	350	200 / 400
Power Consumption	1000W	1000W	1000W	1300W
Motor Power	920W	920W	920W	1260W
Overload Protection	Yes	Yes	Yes	Hi-Torque Motor
Magnet Power *N(25mm, Ra=1.25)	9500N	9300N	9300N	12000N
Magnet Power Adhesion Control (MPAC)	Optional	Optional	Optional	Optional
Magnet Field Shape Control (MFSC)	Yes	Yes	Yes	Yes
Energy Saving Base	Yes	Yes	Yes	Yes
Semi-Automatic GIB Backlash Adjustment	SS Bar Slide No Setting Required	SS Bar Slide No Setting Required	-	Yes
Magnet base Dimensions	80x160x36.5mm	80x160x36.5mm	80x160x36.5mm	90x180x48mm
Forward / Reverse Speed	-	-	-	-
Electronic Speed Stabilization	-	-	-	-
Min. Workpiece Thickness	6mm	6mm	6mm	8mm
Weight	10 kg	13.5 kg	16.7 kg	16.5 kg

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SPECIFICATION	TRIDENT	TITAN	MAXIMUS	AIRMAG 35H
Spindle	MT3	MT4	MT3	Direct Arbor
Tool Holder	19mm Weldon	19mm Weldon	32mm Weldon	19mm Weldon
Core Drill	76mm	12 - 110mm	60 - 130mm	35mm
Twist Drill	32mm	47mm	32mm	16mm
Countersinking	63mm	63mm	51mm	-
Max. Tap Size	M24	M30	M24	-
Max. Depth of Cut	76mm 100mm (upto Ø60)	76mm 100mm (upto Ø85)	51mm	25mm
Voltage	230V, 1ph, 50Hz	230V, 1ph, 50Hz	230V, 1ph, 50Hz	Air pressure 6 bar
Speeds (rpm) under load	80-160 / 210-420	85 / 135 / 160 / 250	60 / 140, 200 / 470	240
Power Consumption	1800W	1800W	1910W	Air 1400 l/min
Motor Power	1650W	1650W	1800W	800W
Overload Protection	Yes	Yes	Yes	Yes
Magnet Power *N(25mm, Ra=1.25)	19500N	22000N	21700N	6500N
Magnet Power Adhesion Control (MPAC)	Optional	Optional	Optional	-
Magnet Field Shape Control (MFSC)	Yes	Yes	Yes	-
Energy Saving Base	-	-	-	Permanent Magnet
Semi-Automatic GIB Backlash Adjustment	Yes	Yes	Yes	-
Magnet base Dimensions	110x220x56mm	120x240x63mm	120x240x67mm	80x80x143mm
Forward / Reverse Speed	Yes	-	Yes	-
Electronic Speed Stabilization	Yes	-	Yes	-
Min. Workpiece Thickness	10mm	10mm	10mm	6MM
Weight	27 kg	31 kg	36 kg	17 kg

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SPECIFICATION	AIRMAG 45	AIRMAG 200
Spindle	MT2	MT5
Tool Holder	19mm Weldon	19mm Weldon
Core Drill	45mm	200mm
Twist Drill	20mm	45mm
Countersinking	-	400mm
Max. Tap Size	-	M48
Max. Depth of Cut	51mm	100mm
Voltage	Air pressure 6 bar	Air pressure 6.5 bar
Speeds (rpm) under load	190 / 290	20, 80
Power Consumption	Air 1400 l/min	Air 3500 l/min
Motor Power	800W	3650W
Overload Protection	Yes	Yes
Magnet Power *N(25mm, Ra=1.25)	7500N	2 x 15000N
Magnet Power Adhesion Control (MPAC)	-	-
Magnet Field Shape Control (MFSC)	-	-
Energy Saving Base	Permanent Magnet	Permanent Magnet
Semi-Automatic GIB Backlash Adjustment	-	-
Magnet base Dimensions	80x80x143mm	80x80x143mm
Forward / Reverse Speed	-	-
Electronic Speed Stabilization	-	-
Min. Workpiece Thickness	6MM	13mm
Weight	19 kg	130 kg