

HM50T

Part no' DRILL-HM50T ⚡ 110 V
Part no' DRILL-HM50T/2 ⚡ 240 V



A heavy duty 2 morse taper drilling machine, featuring variable speed and reverse function.

Features / Benefits:

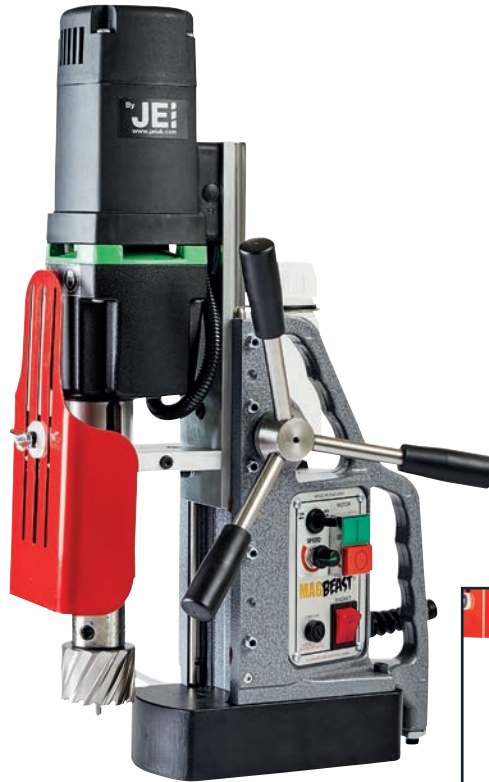
- Variable speed, high torque motor. Ideal for countersinking and reaming.
- Reverse speed motor ideal for threading (tapping) holes.
- Lightweight. Only 13 kg yet can cut up to 50 mm diameter.
- Maintenance friendly twin slide rails.
- No wearing parts and adjustment free operation.



Available with a full 360° Swivel Base option (Model HM50TS)

Machine Includes:

- 3 x spoke handles.
- 2 MT industrial arbor with coolant ring, to suit 19 mm shank cutters.
- Safety chain.
- Safety guard.
- Coolant bottle assembly.
- Drill drift.
- 2.5 mm and 5 mm Allen key.
- Plastic carrying case.
- Operators manual.



Variable speed & forward/reverse simple control panel



Maintenance free twin slide rails—no worn brass rails



Extra long drill travel—ideal for 100 mm long cutters



Ideal for reaming—See options page 38



23 mm morse taper drill capacity



13 mm twist drill chuck option See page 41



Ideal for countersinking—See options page 37



Ideal for tapping—See options Pages 39, 42, 43

SPECIFICATIONS

MODEL	HM50T	HM50TS
Spindle	MT2	MT2
Weight	13 kg	14 kg
Max Stroke	150 mm	150 mm
Cutter Capacity	50 mm Ø x 4" depth of cut	50 mm Ø x 4" depth of cut
Twist Drill Capacity	13 mm with 2MT Chuck 23 mm with 2MT Twist Drill	13 mm with 2MT Chuck 23 mm with 2MT Twist Drill
Countersink Capacity	40 mm	40 mm
Tapping Capacity	M20	M20
Reaming Capacity	22 mm (19 mm shank)	22 mm (19 mm shank)
Motor	1150 W (110 V) 1250 W (240 V)	1150 W (110 V) 1250 W (240 V)
RPM	2 Variable Speeds 180–430, 100–250 RPM	2 Variable Speeds 180–430, 100–250 RPM
Swivel Base	n/a	360 Degree
Height min/max	410 / 560 mm	440 / 570 mm
Length x Width	280 x 120 mm	280 x 120 mm
Magnetic Base L x W	85 x 180 mm	85 x 180 mm
Magnet Deadlift	1250 kg on 1" Plate (12000 N)	1250 kg on 1" Plate (12000 N)
Noise Level	< 90dB	< 90dB
Vibration Level	< 2.5 m/s²	< 2.5 m/s²
Voltage/ Part no	110 V - DRILL-HM50T 240 V - DRILL-HM50T/2	110 V - DRILL-HM50TS 240 V - DRILL-HM50TS/2
Shipping Weight	19 kg	22 kg
Shipping Dimensions	490 x 380 x 200 mm	490 x 380 x 200 mm

JEI MagBeast® magnetic drilling machines can be utilised as an effective tool for carrying out high demand threading jobs on steel plates.

With in-built variable speed and motor reverse options, a selection of models can be quickly converted into tapping machines.

Suits JEI Machine Model

HM50T



HM100T



HM140T



**MagBeast 5
& AirBeast 200A**



Use with Tapping Chuck Part no

JEITAP-2MT

JEITAP-3MT

JEITAP-4MT

JEITAP-5MT

Tap Size	Shank Size Ø x Sq. (mm)	Standard	Clutched Collet part no	Positive Drive Collet part no	Clutched Collet part no	Positive Drive Collet part no	Clutched Collet part no	Positive Drive Collet part no	Clutched Collet part no	Positive Drive Collet part no
M3,5	4 x 3	DIN371	JEITC1-035028	JEIT1-035028						
M4	2,8 x 2,1	DIN376	JEITC1-040030							
M4	4,5 x 3,4	DIN371	JEITC1-045034	JEIT1-045034						
M4	4 x 3,15	ISO529	JEITC1-040031	JEIT1-040031						
M4,5	4,5 x 3,55	ISO529	JEITC1-045035	JEIT1-045035						
M5	3,5 x 2,7	DIN376	JEITC1-035027	JEIT1-035027						
M5	5 x 4	ISO529	JEITC1-050040	JEIT1-050040						
M5	6 x 4,9	DIN371	JEITC1-060049	JEIT1-060049	JEITC2-060049	JEIT2-060049				
M6	4,5 x 3,4	DIN376	JEITC1-045034	JEIT1-045034	JEITC2-045034					
M6	6 x 4,9	DIN371	JEITC1-060049	JEIT1-060049	JEITC2-060049	JEIT2-060049				
M6	6,3 x 5	ISO529	JEITC1-063050	JEIT1-063050	JEITC2-063050	JEIT2-063050				
M8	6 x 4,9	DIN376	JEITC1-060049	JEIT1-060049	JEITC2-060049	JEIT2-060049				
M8	8 x 6,2	DIN371	JEITC1-080062	JEIT1-080062	JEITC2-080062	JEIT2-080062				
M8	8 x 6,3	ISO529	JEITC1-080063	JEIT1-080063	JEITC2-080063	JEIT2-080063				
M10	7 x 5,5	DIN376	JEITC1-070055	JEIT1-070055	JEITC2-070055	JEIT2-070055				
M10	10 x 8	DIN371	JEITC1-100080	JEIT1-100080	JEITC2-100080	JEIT2-100080				
M12	9 x 7	DIN376	JEITC1-090070	JEIT1-090070	JEITC2-090070	JEIT2-090070				
M12	9 x 7,1	ISO529	JEITC1-090071	JEIT1-090071	JEITC2-090071					
M14	11 x 9	DIN376	JEITC1-110090	JEIT1-110090	JEITC2-110090	JEIT2-110090	JEITC3-110090	JEIT3-110090		
M14	11,2 x 9	ISO529	JEITC1-112090	JEIT1-112090	JEITC2-112090	JEIT2-112090	JEITC3-112090	JEIT3-112090		
M16	12 x 9	DIN376	JEITC1-120090	JEIT1-120090	JEITC2-120090	JEIT2-120090	JEITC3-120090	JEIT3-120090		
M16	12,5 x 10	ISO529	JEITC1-125100	JEIT1-125100	JEITC2-125100	JEIT2-125100	JEITC3-125100	JEIT3-125100		
M18	14 x 11	DIN376			JEITC2-140110	JEIT2-140110	JEITC3-140110	JEIT3-140110		
M18	14 x 11,2	ISO529			JEITC2-140112	JEIT2-140112	JEITC3-140112	JEIT3-140112		
M20	14 x 11,2	ISO529			JEITC2-140112	JEIT2-140112	JEITC3-140112	JEIT3-140112		
M20	16 x 12	DIN376			JEITC2-160120	JEIT2-160120	JEITC3-160120	JEIT3-160120		
M22	16 x 12,5	DIN376			JEITC2-160125	JEIT2-160125	JEITC3-160125	JEIT3-160125	JEITC4-160125	JEIT4-160125
M22	18 x 14,5	DIN376			JEITC2-180145	JEIT2-180145	JEITC3-180145	JEIT3-180145	JEITC4-180145	JEIT4-180145
M24	18 x 14	ISO529			JEITC2-180140	JEIT2-180140	JEITC3-180140	JEIT3-180140	JEITC4-180140	JEIT4-180140
M24	18 x 14,5	DIN376			JEITC2-180145	JEIT2-180145	JEITC3-180145	JEIT3-180145	JEITC4-180145	JEIT4-180145
M27	20 X 16	DIN376			JEITC2-200160	JEIT2-200160	JEITC3-200160	JEIT3-200160	JEITC4-200160	JEIT4-200160
M30	22 X 18	DIN376			JEITC2-220180	JEIT2-220180	JEITC3-220180	JEIT3-220180	JEITC4-220180	JEIT4-220180
M33	22.4 X 18	ISO529					JEITC3-224100	JEIT3-224100	JEITC4-224100	JEIT4-224100
M33	25 x 20	DIN376					JEITC3-250200	JEIT3-250200	JEITC4-250200	JEIT4-250200
M36	28 X 22	DIN376					JEITC3-280220	JEIT3-280220	JEITC4-280220	JEIT4-280220
M37	28 X 22.4	ISO529					JEITC3-280224	JEIT3-280224	JEITC4-280224	JEIT4-280224
M39	32 X 24	DIN376					JEITC3-320240	JEIT3-320240	JEITC4-320240	JEIT4-320240
M42	32 X 24	DIN376					JEITC3-320240	JEIT3-320240	JEITC4-320240	JEIT4-320240
M44	31.5 X 25	ISO529							JEITC4-315250	JEIT4-315250
M45	36 X 29	DIN376							JEITC4-360290	JEIT4-360290
M48	36 X 29	DIN376							JEITC4-260290	JEIT4-260290
M50									**	**
M52									**	**

**Consult JEI for further details