

## 2-SPEED DRILLING MACHINE

PRO-50 featuring purpose designed motor and 2-speed gear box 240/480 rpm is optimized to provide appropriate speed for work with HSS cutters up to  $\Phi$  45 mm and twist drills up to  $\Phi$  23 mm. Rigid construction, optimized by means of FEA (finite element analysis) software extends tool life and enables depth of cut up to 75 mm.

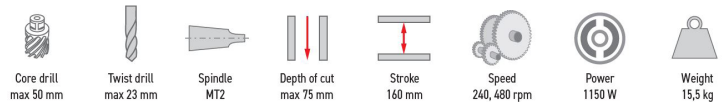
Compact design along with innovative smart magnet with reduced weight make it a lightweight machine.

PRO-50 provides maximum holding power on thin materials thanks to Magnetic Field Shape Control (MFSC). The drill protects both the machine and the operator from work on too thin work piece by means of Magnetic Power Adhesion Control (MPAC). PRO-50 is also equipped with Energy Saving Base (ESB) that uses only 50% of its power when motor is not running.



### Features and benefits:

- Compact design with excellent ratio weight/power
- Purpose designed motor
- Motor Speeds 240/480 rpm (under load)
- Spindle equipped with MT2
- Innovative smart magnet with reduced weight
- Rigid design to extend tool life
- Large stroke enables the use of long tools
- Motor cable with additional protective cover
- Magnetic Field Shape Control (MFSC) provides maximum holding power on thin materials
- Magnetic Power Adhesion Control (MPAC) detects adhesive force of electromagnetic base and protects both the machine and the operator from work on too thin work piece
- Energy Saving Base (ESB) uses only 50% of its power when motor is not running



### Increased productivity and extended tool life

The right choice of drilling machine for a specific application can increase process productivity and extend tool life, especially when drilling a large number of holes of the same size.

The design of the new drills is based on well proven electric motor successfully used for many years in the PRO-40 drilling machines.

Most of the components are common between the new models, which allows for flexibility in production, shorter delivery times and immediate response to market demand for specific versions of new drills.

All drills are equipped with smart electromagnetic bases including many advanced systems.

Magnetic power adhesion control module (MPAC) detects adhesive force and protects both the machine and the operator from work on too thin work pieces.

Magnetic field shape control system (MFSC) provides maximum holding power on thin materials.

Energy Saving Base (ESB) uses only 50% of its power when motor is not running.

Compact design allows the operator to drill very close to side wall and corners.

## Pro-50 Technical Specification

Motor Speeds (under load)	240/480 rpm
Power	1150 W
Weight	15,5 kg (34.17 lbs)
Max milling capacity TCT/HSS	50/45 mm (1.97"/1.77")
Max drilling capacity	23 mm (0.91")
Stroke	160 mm (6.3")
Max depth of cut	50 mm (2") 75 mm (2.95") option
Voltage	1 ~ 220-240 V, 50-60 Hz 1 ~ 110-120 V, 50-60 Hz
MFSC (Magnetic Field Shape Control)	yes
MPAC (Magnetic Power Adhesion Control)	yes
ESB (Energy Saving Base)	yes
Magnetic clamping force (surface with the thickness of 25 mm and roughness Ra = 1.25)	1009 kgf (9900 N)
Magnet base dimensions	84 mm × 168 mm × 48 mm (3.3" × 6.6" × 1.9")
Min. work piece thickness	6 mm (1/4")
Spindle	MT2
Tool holder	19 mm (3/4") Weldon
Product Code 220-240 V, 50-60 Hz	WRT-0684-10-20-00-0
Product Code 110-120 V, 50-60 Hz	WRT-0684-10-10-00-0

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