**RAPID DRILL**

**Description**

Mono-block, welded steel frame with high rigidity
Modular table in cast iron with four T 20 slots
8,4" colour touch screen control
The movement of the machine is given by linear guide-ways along all axes and driven by servo-motors (programmable)
Spindle turning driven by servo-motor (programmable)
Spindle BT40 with automatic clamping
Electrical panel with cooling system; meets CE standards
External coolant system: pump and tank
Chip conveyor
Self-lubricating moving parts along all axes
Water Protection Screen
Automatic tool calibrator
RJ45 fast connection mounted on frame

**Control**

OMRON colour touch screen control
Memory up to 999 programs
Programming of coordinates through 3 different menus:
- Single hole (random pattern)
- Grid of holes (single or multiple lines)
- Flange
50 programmable zero-points
3 axes controlled (X,Y,Z)
Depth (Z): is possible to program different speed
Programming sequences of work:
- Plates drilling cycle
- Profiles drilling cycle
- Thermal drilling cycle
- Tapping cycle
- Small milling cycle (linear and interpolated XY)
- Countersink cycle
Programming sequences of work with auto run, up to 50 programmable lines
Programming ISO standard
### DATASHEET

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</table>

- **Capacity steel ST60**: Ø 32mm / Ø 38mm / Ø 42mm
- **Capacity Cast iron**: Ø 32mm / Ø 38mm / Ø 42mm
- **Tapping steel ST60**: M20 / M24 / M27
- **Tapping Cast iron**: M20 / M24 / M27
- **Spindle servomotor**: 8,9 Kw
- **Relation motor/axle spindle**: 2 : 1 / 2,5 : 1 / 3 : 1
- **Spindle taper**: BT40
- **Distance spindle / table (A)**: 160 / 660 mm
- **Column travel (Z)**: 500 mm
- **Lateral movement travel (X)**: 3000 / 4500 / 6000 mm
- **Frontal movement travel (Y)**: 3000 / 4500 / 6000 mm
- **Table size standard (A+B)**: 3000x1200 / 4500x1200 / 6000x1200 mm
- **Table height (D)**: 950 mm
- **Max. Speed movement X**: 22 m/min
- **Max. Speed movement Y**: 12 m/min
- **Max. Speed movement Z**: 4,2 m/min
- **Weight**: 3500 / 5000 / 6500 Kg
- **Dimension (E+F+G)**: 410x180x240 / 560x180x240 / 710x180x240 cm

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### Diagram

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