



A 4008 U(M)

Drill head

The drill head can be raised and lowered and turned 0-45° vertically to either side. The angular position can be adjusted towards a graduated scale.

Gear box

The gear box is built according to our experienced methods for highest possible torque. Helical gears combined with steel gears against reinforced fiber gears in the main gear box ensure higher operating efficiency, a more powerful drive mechanism and smooth operation. The noise level and maintenance of the gear box is reduced to a minimum. The eight (8) spindle speeds are easily selected by changing two handles.

Spindle

The spindle is made from steel, with the lower spindle bearing being located as near to the lower part of the spindle as possible, ensuring greater precision and rigidity even in milling operations. It is further adjustable by the journals in the bearings, which guarantee very small tolerances. The spindle nose is threaded, ensuring that tooling is kept in the spindle by a screwed collar and plate, especially when carrying out milling operations. The A 4008 U(M) is available with either MT 4 or ISO 30 spindle.

Table

As standard, the machine is equipped with a co-ordinate table 650 x 270 mm, with T-slots and coolant channel. Larger co-ordinate tables are available on request. All tables can be equipped with automatic longitudinal feed (6 speeds).

Fine feed

On the front of the drill head there is a hand wheel for precision fine feed settings, calibrated in divisions of 0.05 mm, ensuring a smooth and accurate setting when milling.

Milling

When milling, the quill should be locked in the desired position. A 4008 U is suitable for drilling, broaching, tapping and milling.

Power feed (M)

A 4008 U(M) is fitted with power feed to the spindle, A 4008 U has manual feed only. The power feed is provided with an automatic overload protection device, which starts when the drill pressure becomes too high. When overload diminishes, the feed is automatically re-engaged. When the set drill depth is reached, the spindle will automatically return to the starting point. The feed can also be interrupted manually.

Stand

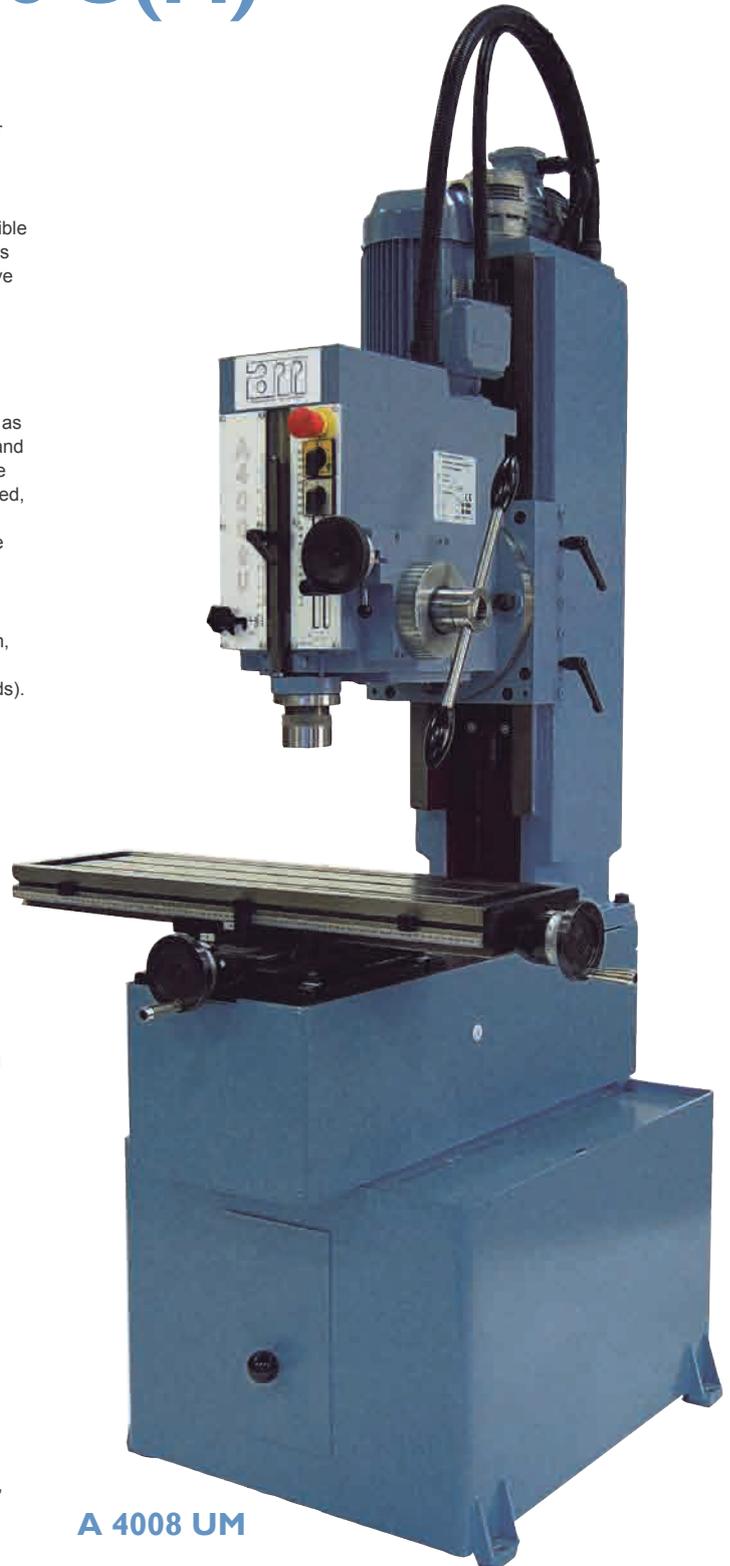
The table, column and drill head are mounted on a rigid stand. At the bottom of the stand, there is room for a coolant equipment to be built in.

Safety

The machine is supplied complete with a thermal overload switch, no-volt release and emergency stop.

Options (selection)

Coolant complete with tubes, 3-spoke handle, machine light halogen, automatic reversing unit for tapping, foot operated start switch, spindle ISO30 with locking nut, high spindle speeds (180-3000 rpm), low spindle speeds (60-980 rpm), automatic longitudinal feed, milling chuck ER/MT4, reduction sleeve ISO30 to MT 3, tool package MT4, milling chuck ER/ISO30, drill chuck with arbor 3-16 mm (MT4), drill chuck with arbor 1-13 mm (MT4), reduction sleeve ISO30 to MT3, micro switch for chuck guard

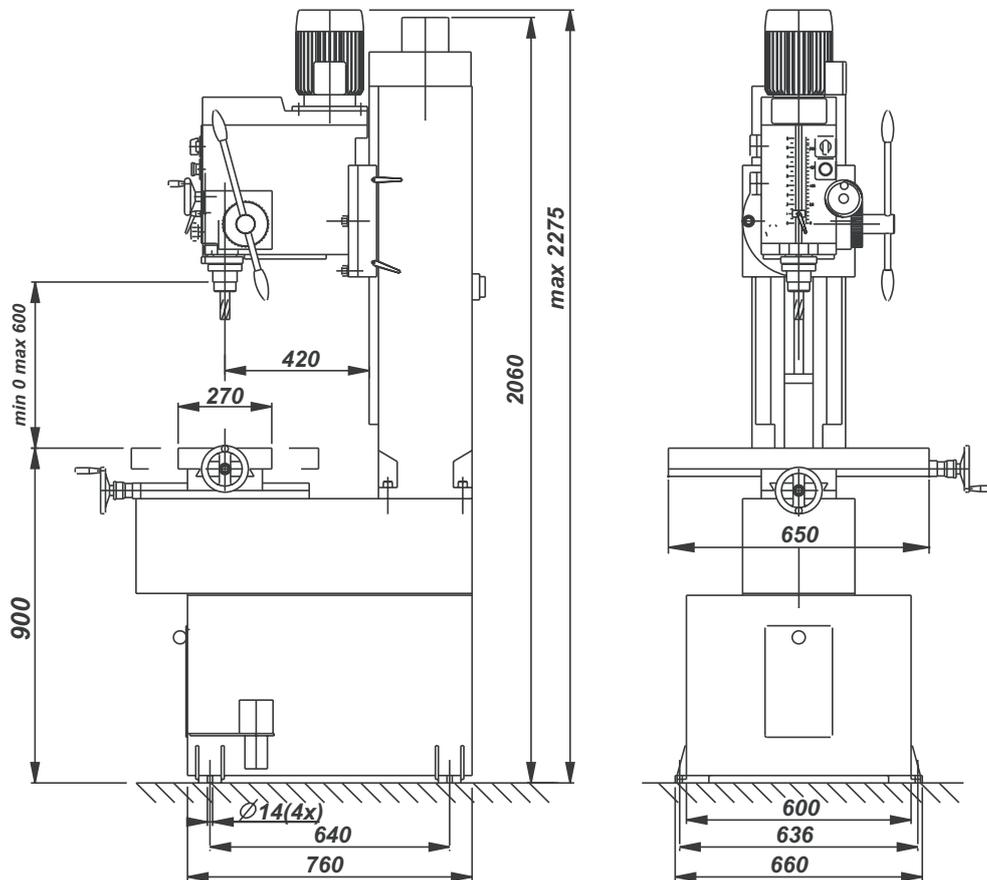


A 4008 UM



Technical data - A 4008 U(M)

Drilling capacity	Ø 40 mm
Quill movement	190 mm
Tapping capacity (steel)	M 24
Tapping capacity (cast iron)	M 33
Morse taper	MK / MT 4
Motor power (50 Hz / 60 Hz)	2,20 kW / 2,60 kW
Spindle speed (50 Hz)	90-135-200-300-440-670-980-1500
Spindle speed (60 Hz)	108-162-240-360-528-805-1175-1800
Feed speed (mm/inch per rev.)	0,10 / 0,004 - 0,16 / 0,0064 - 0,24 / 0,01 - 0,33 / 0,013
Net weight	720 kg
Size of table	650 x 270 mm
End-cutter	max Ø 20 mm / max ↓ 10 mm
Flat-face mill	max Ø 80 mm / max ↓ 2 mm / max < 80% >



Oy Grönbloom Ab

Mekaanikonkatu 6, 00811 HELSINKI
puh 010 286 8900, fax 09 780 715
Email: gronblom@gronblom.fi
www.gronblom.fi

