

Drilling in All Directions



Portable Radial Drilling Machine VOM 50

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Sustainability Initiative

Service

Radial Drilling Machines

CNC Lathes

Cycle-Controlled Lathes

Tool Room Lathes / Semi-Cycle Controlled Lathes

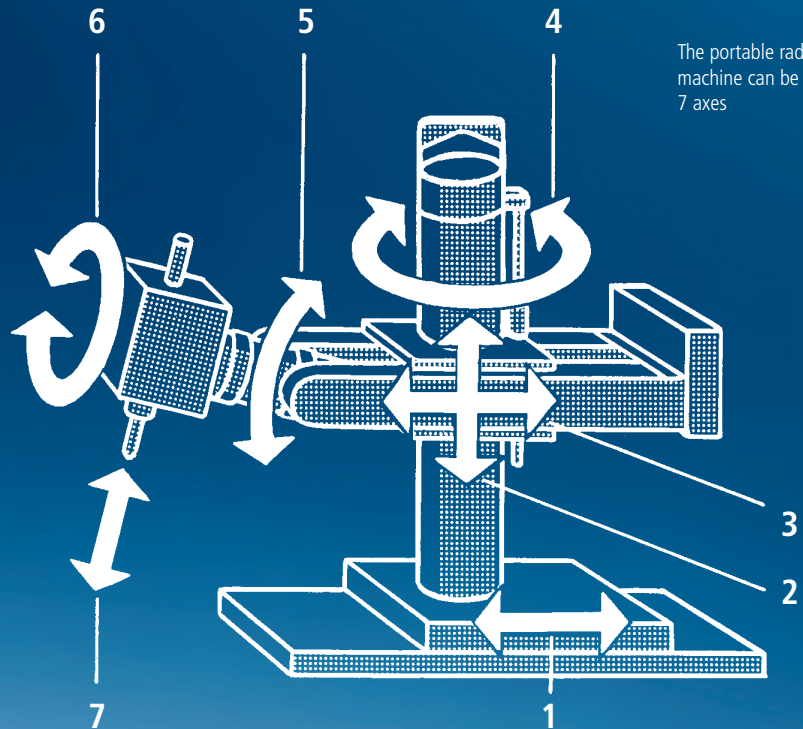
All-Round Superiority

Advantages and applications of the machine

This drilling machine fully fulfils all demands for fast preparation, working range as well as performance and accuracy for drilling operations on heavy and bulky parts of machine and plant structures, particularly during assembly.

It is especially suited to drilling, reaming and tapping operations of large-scale components found in machine tools, pressing equipment, turbines, generators, compressors, steel constructions, boilers, containers, chemical equipment, furnaces of cement works, and for shipbuilding.

It is also used by engineering workshops, boiler makers, bridge builders, shipbuilding yards and heavy machine manufacturers.



The portable radial drilling machine can be moved in 7 axes

Standard equipment

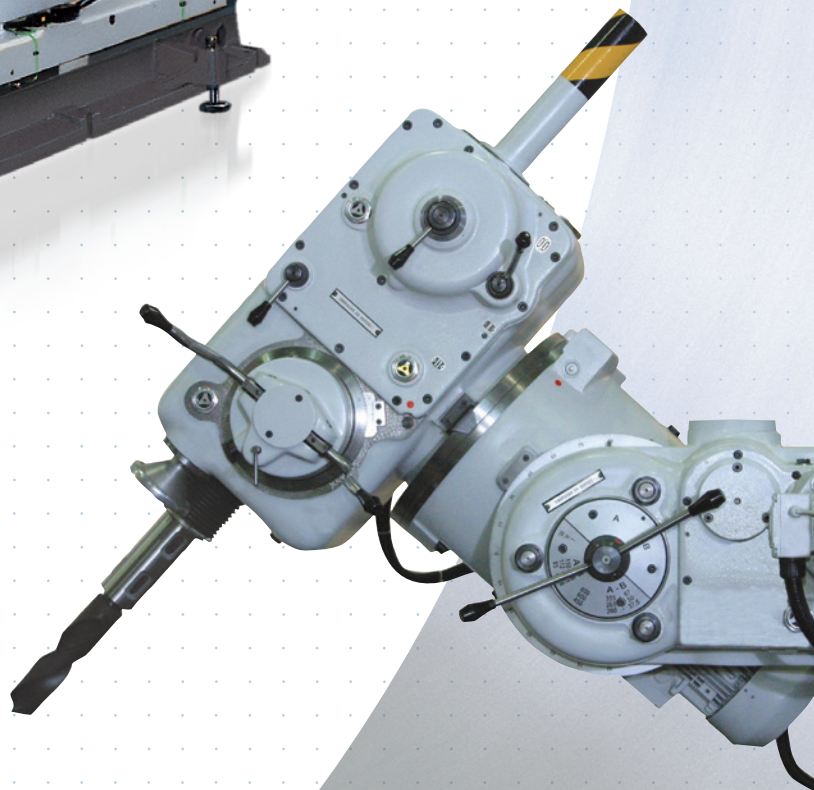
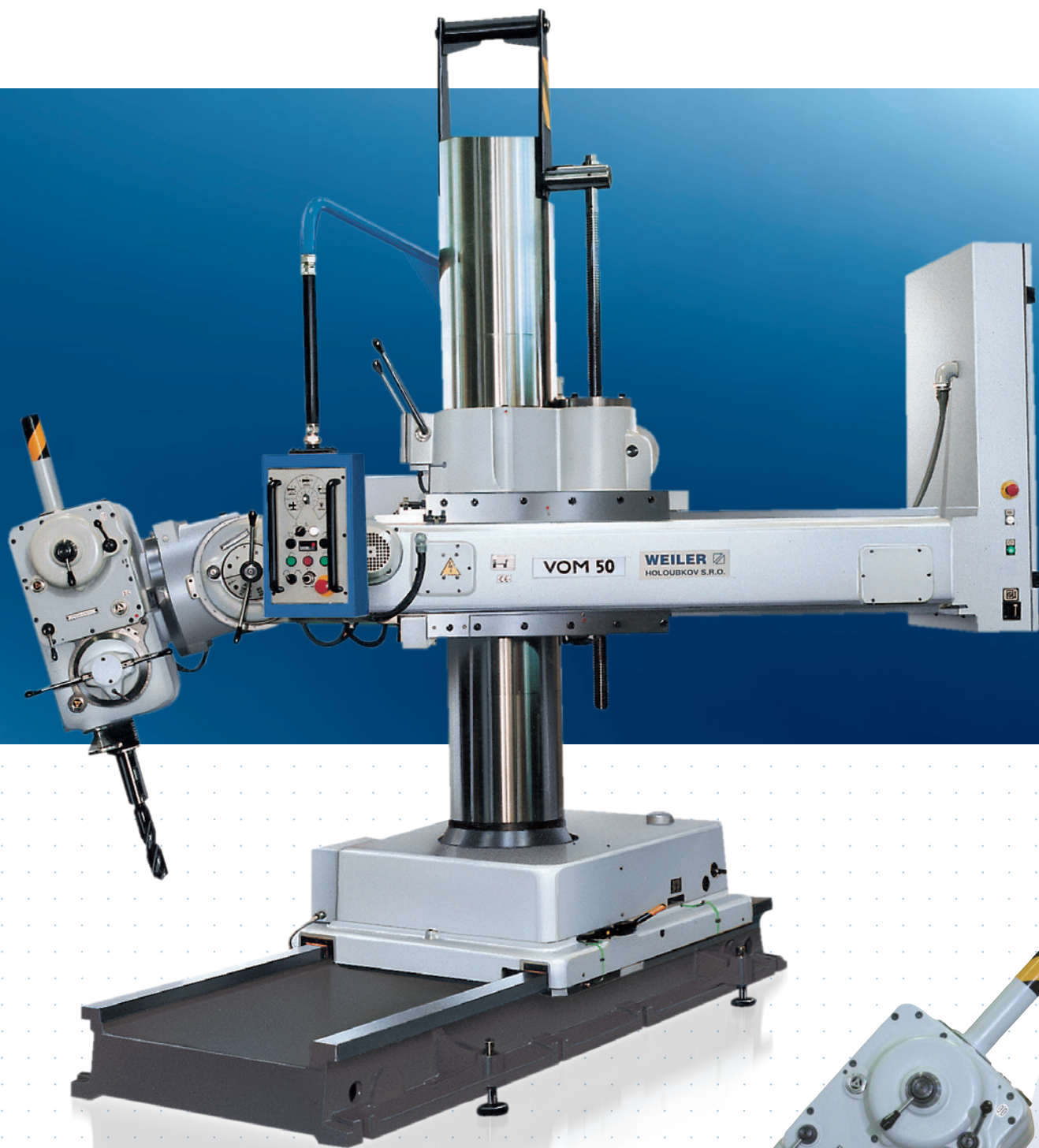
- ▶ Machine light
- ▶ Taper drill sockets Morse 5/4 und 5/3
- ▶ Driving-out keys (2 pieces)
- ▶ Tool kit for the operations and maintenance of the machine
- ▶ Technical documentation for the machine

Accessories / options

- ▶ Extended bed for increased slide movement of 2600 mm / extension module
- ▶ Coolant device
- ▶ Clamping cube Vb8
- ▶ Top clamping area 1000 x 700 mm
- ▶ Lateral clamping area 1000 x 500 mm
- ▶ Tilting table Vc8
- ▶ Top clamping area 750 x 600 mm
- ▶ Lateral clamping area 750 x 550 mm
- ▶ Frequency-controlled main drive with expansion of the spindle speed range to 1600 1/min
- ▶ Frequency-controlled and infinitely variable slide adjustment
- ▶ Frequency-controlled and infinitely variable adjustment of the sliding sleeve
- ▶ Frequency-controlled and infinitely variable movement of the horizontal pivoted arm and tilting head
- ▶ Frequency-controlled and infinitely variable turning movement of the drilling head
- ▶ Height adjustable and electrically actuated operating panel
- ▶ Platform for machine operation and maintenance
- ▶ Version with tropical insulation TH32
- ▶ Electrical equipment for other mains power supplies than 400 V/50 Hz
- ▶ Special colour schemes



Operating panel: clear and self-explanatory arrangement of the operating elements



Drilling spindle: flexible turning and swivelling movements

Technical Data

VOM 50

Max. drilling capacity in steel, strength up to 600 MPa	mm	50
Max. drilling capacity in. cast iron, strength up to 250 MPa	mm	65
Max. tapping capacity in steel, strength up to 600 MPa		M 48
Max. vertical displacement of the arms	mm	1,250
Max. motion of the arms	mm	900
Max./min. spindle reach	mm	2,070/1,170
Max./min. distance from spindle nose to base plate	mm	1,555/305

Drilling spindle

Swivel range of the drilling head	degrees	360
Spindle taper	MK	5
Max. spindle travel	mm	350
Number of spindle gear stages		15
Spindle speed range	1/min	16 – 800
Amount of sleeve feeds		6
Feed range of the sleeve	mm/turn	0.05 – 0.5
Power of the spindle motor	kW	4.0
Total power consumption	kVA	7.5

Dimensions of the bed

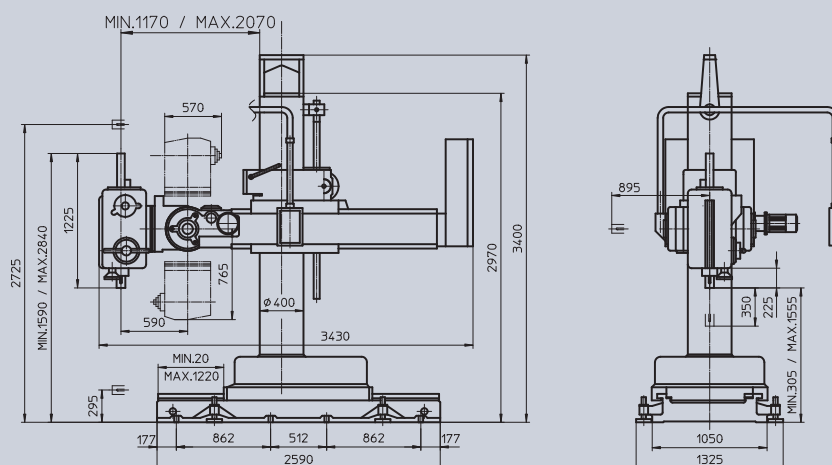
Length x width x height	mm	2,160 x 1,050 x 260
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Total dimensions of the machine

Length x width x height	mm	3,430 x 1,325 x 3,400
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Weight of machine incl. standard accessories

kg 6,570



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