

Rausch RS 4 vertical internal broaching machine with "CE" (WAG 842)

Manufacturer: Rausch (Haan/ Rhld)

Model: RS 4/1000

Machine No.: 5027

Year of manufacture: 2001/2025

Weight: 580kg

Revision: 2025 by Wiemers AG

General / Technical Data:

unused revised mechanical vertical broaching machine Rausch RS 4 with current "CE" marking

Pulling force: 40 kN (4,000kg)

Broaching speeds: 3m/min and 6m/min

Return speed: 6m/min

Max Stroke: 1000mm

Maximum tool length: 1200mm

Table dimension / work surface: 540 x340mm / 450 x250mm

Table opening: Ø 90mm for standard broaching mandrels

Workpiece diameter: any

Dimensions (h x w x d): 2,350mm x 900mm x 1,000mm (with splash guard cabin)

Engine: 4.4kw/5.5kw **Power supply:** 400 Volt / 50 HZ



Accessories / Special equipment:

- Drive with 2 speeds - Safety door with safety query and chip chute - Chip chute with tool tray
- Electrical scanning of the clamping jaws (tool removal control to prevent unintentional retraction of the drawbridge)- Integrated coolant system with solenoid valve (switched via swivel system)- Patent coolant lubricant swivel system - Externally adjustable tool length adjustment system (reproducible across machines)- 4 Central lubrication points for the trapezoidal spindle drive- closed centering plate for profile tools with additional protective plate for flat broaching tools (grooving tools)- 3-sided closed splash protection booth with tool storage (ideal for profile broaching)- external control panel (plugged in via Harting connector)

Note:

The machine has been completely overhauled, the machine body is fully reconditioned. The following wear parts have been replaced.



- New trapezoidal spindles and spindle nuts made of cast wear-resistant bronze
 - all bearings and seals have been renewed
- The coolant system (pump, check valve and drain valve) including coolant/lubricant swivel system is new
- the coolant supply is controlled by a solenoid valve which can be switched via the swivel system
 - the drawbridge as well as the clamping jaws, tooth segments are new
 - a switchable clamping jaw query has been installed (additional safety for operators & tool breakage).
 - A safety door with safety query, signal display and door lock
 - the tool length adjustment system, has been relocated outside the machine room
 - Additional limit layers limit switches have been installed
 - the complete electrical system (control cabinet) is new
 - there is no PLC installed, the machine is electrically maintenance-friendly
 - new drive motor (SEW Germany) with brake
 - the machine has been repainted with 2 components textured paint

General

The double spindle drive ensures a quiet and central pull point as well as a constant broaching speed (broaching speed optionally with 3m/min or 6m/min).

Due to its design, the machine can be set up quickly and easily for broaching with flat broaching tools for groove keyways.

Due to the universal design of the drawbridge and the machine table, broaching with profile and flat broaching tools is possible without the use of additional drawing heads.

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