

Quotation

**Machining portal center
machine will be available in early 2027**

FRFQ 200 KR/8



photo of the machine in production

Date: 0309.2026

Technical parameters

Lifts	
Working stroke – longitudinal X (mm)	7,000
Working stroke – vertical Z (mm)	1,100
Working stroke – transverse Y (mm)	2,800
Programming unit – X, Y, Z axes (mm)	0.001
Distance between stands (mm)	2550
In general parameters	
Power consumption (kVA)	50
System divorce compressed air (bar)	6
Electric networks	3 x 400 V, 50 Hz
Surface emission acoustic pressure at the site operators L_{pA} (dB)	80
Surface acoustic power LWA (dB)	99

TECHNICAL OFFER

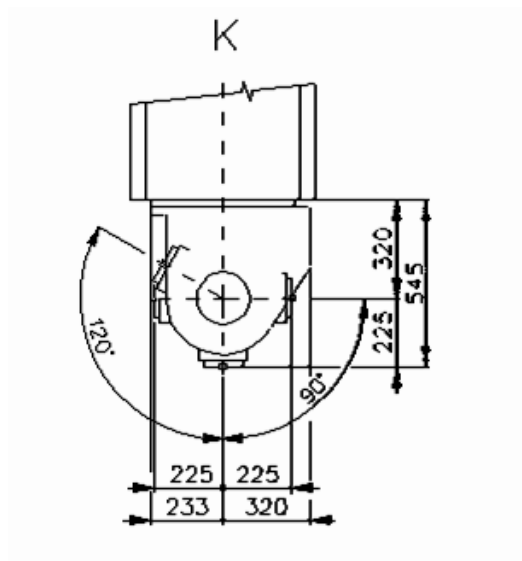
Non-replaceable spindle head K

K – max. spindle speed 4,000 min⁻¹ ,

max. torque 1,000 Nm

single-spindle head - continuously rotating in two axes. Around the headstock axis in the range of $\pm 180^\circ$, with the possibility of mechanical indexing every 1° , and around the axis perpendicular to it in the range of $+120^\circ$ up to -90° , with the possibility of fixing in the set position using a hydraulically controlled friction brake. The rotation drive mechanism around the headstock axis with indexing is part of the headstock. Rotation in the second rotational axis is part of the spindle head and is ensured by a servomotor, through a transmission formed by a closed chain of gears with mechanical limitation of the clearance in the gears.

The spindle drive is derived from the headstock drive shaft via three pairs of bevel gears.



Non-replaceable spindle head

Type spindle heads	TO
Spindle taper	ISO 50
Speed range [min ⁻¹]	20 - 4,000
Maximum torque [Nm]	1,000
Usable power of the main drive [kW]	30
Rotation speed around the vertical axis / axis perpendicular to it [rpm]	1-1,800 / 1-5,400
Max. torque of rotation of the head around the vertical axis / axis perpendicular to it [Nm]	2,500 / 2,400
Bilateral position setting accuracy A (according to ČSN ISO 230-2) – around the vertical axis / axis perpendicular to it ["]	16/16
One-sided repeatability of position setting R↑, R↓ (according to ČSN ISO 230-2) – around the vertical axis / axis perpendicular to it ["]	10/10



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Tool change

Type – modification chain	
Size cones	ISO 50
Number tools in magazine (pcs)	40
Max. diameter neighboring tools (mm)	130
Max. diameter tools with one free position between them (mm)	250
Max. tool weight (kg)	25
Max. tool length (kg)	340
change time (according to ISO 10791-9) – CTC _{max} [s]	80
– CTC _{min} [s]	30

- Year of manufacture machines 2006, TOS, machine reparation in 2027
- Non-replaceable spindle head K 4000
- spindle with cone spindles ISO 50, according to ČSN 22 0433 (DIN 2079-CC)
- Control Siemens S840D system
- Chains conveyors chips with one container on chips
- execution tray tools chain type (Q) - R 40
- cooling thermal unit stabilization drive spindle heads
- hydraulic aggregate , hydraulic elements – standard execution
- protective fencing working space with electric lock
- protective cover working space
- stable service area on working platform

Options :

- **possibility General overholding , including update of control system**

Delivery time

Machine delivery.... February - March 2027

Machine commissioning.... Approximately 8-9 weeks after installation begins

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