

Innovative technology









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CNC Swiss automatic lathe MANURHIN K'MX 632 is used for productive machining of parts from the bar material of maximum diameter 32 mm. Because of spindle bore diameter 37mm there is no need to modife the end of the bar to smaller diameter for collet of bar feeder pusher.

The machine is in standard equiped by two electrospindles with maximum speed of 10 000 rpm and rotary guide bush, synchronized with main spindle by pulleys and belts. Six linear axes (X1, X2, Y1, Y2, Z1, Z2) and two rotary CNC axes (C1, C2) enable to machine productively simple or complex parts with two tools in

X2

X 1

KINEMATICS



one time. The machine is also used if long drilling operations are required on main spindle. The stroke of the main spindle enables to use the machine for turning of shafts up to 400 mm on one clamping. Longer shafts are possible to be made with multiple clamping.

The parts over 160 mm long are possible to be evacuated from the machine only through the counter spindle. The easy setup of tools on tool rack enables the successful use of this machine for the batches starting by hundreds of pieces.

ANURHIN SEZ

Y2

-Z2

C2





MACHINE PARAMETERS

Maximum bar diameter - main spindle Maximum length of machining on one stroke Spindle bore Power on main spindle motor (100% / 60%) Maximum speed of main spindle Spindle indexing orientation Main spindle stroke Z1 Rapid feed of main spindle Number of tool racks Tool rack stroke X1 Rapid feed X1 Tool rack stroke Y1 Rapid feed Y1 Number of tools Size of OD tool Tool rack stroke X2 Number of tools Tool rack stroke Y2 Rapid feed Y2 Number of tools

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Ø 32 (*Ø 36) mm	Tool rack stroke Z2	260 mm
400 mm	Rapid feed Z2	30 m/min
Ø 37 mm	Maximum diameter of bar – counter spindle	Ø 32 (*Ø 36) mm
5,5 / 7,5 kW	Maximum length of part inside the counter spindle	160 mm
10 000 rpm	Maximum length of part for frontal ejection	160 mm
left and right	Counter spindle bore	Ø 37 mm
410 mm	Maximum spindle speed	10 000 rpm
30 m/min	Power of secondary spindle motor (100% / 60%)	3,7 / 5,5 kW
1	Air pressure	6 bar
80 mm	Tank capacity	300 l
30 m/min	Flow rate	100 l/min
191 mm	Coolant pump pressure	5,5 bar
30 m/min	Voltage	3 x 400 V - 50 Hz
(2 x 5) : 10	Power	32 kVA
16 x 16 mm		
145 mm	MACHINE DIMENSIONS	3 000 x 1 460 x 2 220 mm
(6 + 3): 9	MACHINE WEIGHT	4 900 kg
650 mm		
30 m/min		
6	* optional modification on request	

COLLETS AND GUIDE BUSHES

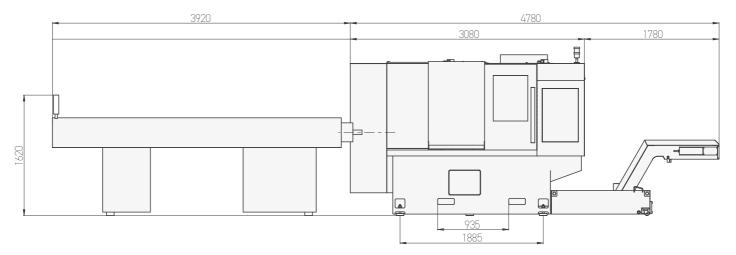


MACHINE DIMENSIONS

On MANURHIN K'MX 632 we use for both main and counter spindle the collets of type 164E (F38) and we recommend steel ultra-precision collets from well-established collets manufacturers. Usually are used grooved collets or smooth collets or collets with longer nose (LN)



On MANURHIN K'MX 632 we use the guide bushes of type T229 denomination. We recommend the guide bushes with hard metal insert from renowned manufacturers.



CONTACT

TAJMAC-ZPS, a.s.

třída 3. května 1180 763 02 Zlín, Malenovice Czech republic Phone: +420 577 532 072 Fax: +420 577 533 626 E-mail: info@tajmac-zps.cz Web: www.tajmac-zps.cz