

UNIVERSAL CENTRE LATHE TUJ-380MF TUJ-380CNC



The **TUJ-380MF/TUJ-380CNC** lathe is of universal character and manufactured in the precision class according to ISO 1708; 1989 standard. It is designed for general turning operations. Its rigid construction, high power of the driving motor and ball screws applied for slides drive ensure great efficiency and accuracy.

The lathe is empowered through a belt transmission by a 7,5 kW electric motor controlled by a frequency converter. A pair of sliding gears applied in the headstock allows stepless spindle rotation rate change in two ranges: 30÷800 rpm and 120÷3000 rpm with optimal cutting conditions (optimal use of driving power). The lathe is equipped with SINUMERIK 828 control system or FANUC Oi TF system enabling conventional way of working (using handwheels) and automatic.

The spindle speed synchronisation with the Z-ax slidable motor revolutions allows executing a wide range of various threads at a chosen pitch.

The **TUJ-380MF/TUJ-380CNC** is equipped with SINUMERIK 828 or FANUC Oi TF system which allows:

- Simple programming in accordance with DIN 66025 standard
- Easy tools positioning
- Turning
- Cutting
- Tapping
- Drilling
- Deepening
- Boring
- Taper turning cycle
- External ball cutting cycle

Lathe TUJ-380 MF is equipped with a quick-change tool holder.

Lathe TUJ-380 CNC is equipped with a multi-tool PRAGATI torret.

TECHNICAL DATA

TUJ-380MF TUJ-380CNC

WORKING AREA			
Distance between centres	mm	1025	
Max. turning length	mm	1000	965
Swing over bed	mm	380	
Swing over cross slide	mm	210	
Width of top bed part	mm	260	
Max. weight of detail fixed in centres	kg	150	
Max. weight of detail fixed in chuck Ø315 and supported by tailstock	kg	200	
Suds sump capacity	dm ³	30	
HEADSTOCK			
Spindle nose PN-ISO-702-1		A6	
Spindle bore	mm	56	
Spindle taper	mm	B70	
Spindle speed rang	rot./min	30 - 3000	
Main drive motor	kW	7,5	
CARRIAGE and CROSS SLIDE			
Working cross feed of the X-axis	mm	230	
Working longitudinal feed of the Z-axis	mm	1020	1000
Rapid cross slide feed of the X-axis	mm/min	5000	
Rapid longitudinal slide feed of the Z-axis	mm/min	7500	
Turning moment of the X-axis motor	Nm	3,5	
Turning moment of the Z-axis motor	Nm	4	
TAILSTOCK			
Quill travel	mm	130	
Tailstock quill diameter	mm	60	
Quill inner taper	Morse'a	4	
OVERALL DIMENSIONS			
Length	mm	2500	
Width	mm	1570	
Height	mm	1900	
WEIGHT	kg	1580	



The PRAGATI 8-tool rotary head

STANDARD EQUIPMENT

(included in price)

1. 3-jaw chuck Ø200 with shield and spanner
2. Quick-change tool holder type E (max. przekrój trzonka noża 25x25) *
- 2a. The PRAGATI 8-tool turret **
3. Replaceable tool holder MED 25-100 - 3 pc. *
- 3a. Shaving holder ATH16-16 **
4. Replaceable tool holder MEJ 30-100 - 1 pc. *
- 4a. Tool-post BTH 16-25 **
5. Electronic handwheel for manual operation
6. Complete coolant system with electric pump
7. Lamp
8. Rotary center with Morse taper no. 4 T
9. Set of spanners
10. Operation manual and spare parts catalogue
11. CE declaration
12. User manual control
13. Power supply 3x400V, 50Hz
14. Levelling screws M12x30 / DIN 479
15. Screw-down grease cup
16. Foil cover with a base

* For TUJ-380 MF

** For TUJ-380 CNC

OPTIONAL EQUIPMENT

(available at additional cost)

1. Steady slide rest
2. Roller jaw steady rest
3. Movable slide rest
4. Roller jaw moveable rest
5. Undercutting toolpost
6. Start-up and training within machine operation at customer site (one day + traveling costs)
7. Machine transportation to the customer (counted both ways)

OPTIONAL EQUIPMENT TUJ-380 CNC

(available at additional cost)

1. Steady rest
2. Roller jaw steady rest
3. Reducer sleeve 1226-25-8-50
4. Reducer sleeve 1226-25-10-50
5. Reducer sleeve 1226-25-12-50
6. Reducer sleeve 1226-25-16-50
7. Start-up and training within machine operation at customer site (one day + traveling costs)
8. Machine transportation to the customer (counted both ways)

We reserve all rights to bring changes without notifying.

FMT
TARNÓW

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