FMT TARNÓW
Ł.Świderski & J.Świderski

UNIVERSAL CENTRE LATHE
TUJ-380CNC

The **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 rolling 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÷300 rpm with optimal cutting conditions (optimal use of driving power). The lathe is equipped with SINUMERIK 802C base line control system or FANUC Oi Mate TC 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-380CNC** is equipped with SINUMERIK 802C or FANUC Oi Mate TC 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 CNC is equipped with a multi-tool PRAGATI head.
We also offer lathe TUJ-380 with quick-change tool holder HASSE marked as TUJ-380 MF.

TECHNICAL DATA

TUJ-380 CNC

		Length indication L=1000
WORKING AREA		
Distance between centres	mm	1025
Max. turning length	mm	965
Swing over bed	mm	380
Swing over cross slide	mm	210
Width of top bed part	mm	260
Max.weigth of detail fixed in centres	kg	150
Max.weigth of detail fixed in chuck Ø315 and supported by tailstock	kg	200
Suds sump capacity	dm³	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	1000
Rapid cross slide feed of the X-axis	mm/min	5000
Rapid longitudinal slide feed of the Z-axis	mm/min	10 000
Turning moment of the X-axis motor	Nm	2,6
Turning moment of the Z-axis motor	Nm	2,6
TAILSTOCK		
Ouill travel	mm	130
Quil inner taper	Morse'a	4
OVERALL DIMENSIONS		
Length	mm	2500
Width	mm	1570
Height	mm	1800
WEIGHT	kg	1580

STANDARD EQUIPMENT

(included in price)

1. 3-jaw chuck Ø200 with shield and spanner
2. The PRAGATI 8-tool rotary head
3. Shaving holder ATH16-16
4. Tool-post BTH 16-25
5. Driver
6. Complete coolant system with electric pomp
7. Lamp
8. Levelling screws M12x30 / DIN 479
9. Reduction sleeve 70/MT4
10. Dead centre
11. Set of spanners
12. Oiler
13. Screw-down grease cup
14. Can with paint (lathe colour)
15. Operation manual and spare parts catalogue
16. Control system manual
17. Pallet and protective cover

OPTIONAL EQUIPMENT

(available at additional cost)

1. Revolving centre Mt4
2. Steady rest
3. Roller jaw steady rest
4. Centre MK-4 with driver HD-30÷34
5. Reducer sleeve 1226-25-8-50
   1226-25-10-50
   1226-25-12-50
   1226-25-16-50

We reserve all rights to bring changes without notifying.

The PRAGATI 8-tool rotary head

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