

UNIVERSAL CENTRE LATHE

TUJ-560M

TUJ-630M



- The TUJ-560M and TUJ-630M is a universal lathe, suitable especially for repair workshops because of its versatility and high range of equipment.
- High power of driving motor and machine's rigid construction allow turning with high-speed steel tools, sintered carbide tools and ceramic plate tools.
- The TUJ-560M and TUJ-630M have electromagnetic clutch and brake release
- Spindle speed range ensures economical lathe operating while roughing and after machining on cast iron, steel and non-ferrous metals
- Universal feed box and lathe kinematics allows execution of a wide range of threads: metric, screw, modular
- Standard lathe version TUJ-560M and TUJ-630M are manufactured in metric system with spindle nose C11.

TECHNICAL DATA

TUJ-560M TUJ-630M

Length indication
L=1500 L=2000 L=3000 L=4000

WORKING AREA

Distance between centres	mm	1440; 1940; 2940; 3940
Max. turning length	mm	1350; 1850; 2850; 3850
Swing over bed	mm	560 630
Swing over cross slide	mm	370 440
Swing in gap	mm	800 870
Length of gap in front of driver plate *	mm	250
Width of top cradle part *	mm	370
Max. weight of detail fixed in centres	kg	300
Max. weight of detail fixed in chuck Ø315 and supported by tailstock	kg	600
Max. weight of detail fixed in chuck and supported by steady rest	kg	800
Suds sump capacity	dm³	30

HEADSTOCK

Spindle nose PN-ISO-702-3		C11
Spindle bore	mm	90
Metrical spindle taper	mm	100
Spindle speed range	rot/min	20 - 1600
Main drive motor	kW	11

TAILSTOCK

Quill travel	mm	180
Quill inner taper	Morse'a	5B

FEEDS

Range of longitudinal feed rates	mm/rot	0,038 - 4,4
Range of transversal feed rates	mm/rot	0,019 - 2,2

THREADS

Range of metric threads	mm	0,25 - 28
Range of inch threads	t.p.i.	112 - 1
Range of module threads	π mm	0,25 - 28
Range of diametral pitch threads	DP	112 - 1

OVERALL DIMENSIONS

Length	mm	3270; 3770; 4770; 5855
Width	mm	1270
Height	mm	1350 1385

WEIGHT

	kg	2760; 3150; 3695; 4045
--	----	------------------------

STANDARD EQUIPMENT

(included in price)

1. 3-jaw chuck Ø315mm with spanner
2. Driver
3. Longitudinal feed stop
4. Four-way toolpost
5. 3 and 4 jaw chuck guards
6. Front chip guard
7. Rapid travel of longitudinal slide
8. Complete coolant system with electric pump
9. Quadrant change gears -for metric version:
Z=42, 69, 73, 84, 86, 92, 108 (for TUJ-560M)
Z=42, 73, 81, 84, 86, 108 (for TUJ-630M)
10. Dead centre with Morse taper 5 and 6
11. Rotary center with Morse taper no. 5
12. Reduction sleeve 100/MT6
13. Levelling plates
14. Foundation bolts with washers and nuts
15. Set of spanners
16. Lamp
17. Oiler
18. Screw-down grease cup
19. Operation manual and spare parts catalogue
20. Can with paint (colour of tool machine)
21. Bellows guard of lead-screw and feed shaft
22. Foil cover with a base

OPTIONAL EQUIPMENT

(available at additional cost)

1. Thread dial indicator
2. Taper turning attachment with spanner
3. Undercutting tool post
4. Steady slide rest Ø15-250mm
5. Roller jaw steady rest, Ø60-250mm
Ø190-380mm **
6. Roller jaw steady rest, Ø10-150mm
7. Follow rest Ø15-250
8. Quadrant change gears for metric version
Z=48, 54, 63, 76 (for TUJ-560M)
Z=48, 62, 76, 92, 93, 124 (for TUJ-630M)
9. Face plate Ø 560mm with T-slots
10. 4-jaw chuck Ø400 with spanner
12. Set of overhaul spanners
13. Digital read-out for X and Y axis

** for TUJ-630M

SPECIAL VERSION

1. Full inch version
2. Camlock spindle nose 01-11 (ASA 85.9)
3. Spindle nose 01-8 (ASA 85.9)
4. Spindle nose C-8 (acc. to DIN)
5. Tool slide for special tool holders type HASSE or BISON
6. Roller guard extra charged
7. Cradle with a bridge *

Note:

Some of the standard and optional equipment is mounted on the lathe.

We reserve all rights to bring changes without notifying



FABRYKA MASZYN TARNÓW

Łukasz Świdorski & Józef Świdorski Spółka Cywilna
33-122 Wierzchosławice 42
www.fmt-tarnow.pl

CUSTOMER SERVICE

Sale: sprzedaz@fmt-tarnow.pl tel. 534 154 557
Supply: logistyka@fmt-tarnow.pl tel. 602 749 790
Produktion: fmt@fmt-tarnow.pl tel. 534 175 445