



TC MEGALOS

800 - 900 - 1000 - 1100 - 1200

Bed width 1100 mm

Monolithic structure

Powered small tool post



MCM Spa Piazzale del Planetario 7/8/9, Loc. Levane 52025 Montevarchi (AR) Italy
Tel: +39 055 978 8508 Fax: +39 055 9789944 Email: info@mcm.spa Sito Web: www.mcm.spa

TC MEGALOS / Features

Technical Specifications		800	900	1000	1100	1200
Height of centres	mm	800	900	1000	1100	1200
Swing over bed	mm	1600	1800	2000	2200	2400
Swing over cross slide	mm	1200	1400	1600	1800	2000
Distance between centres	mm	2000... 16000				
Bed width	mm	1100				
Spindle bore	mm	130				
Spindle nose	ASA	15"				
Number of spindle speeds	N.	21				
Spindle speed range	rpm	2.5:250				
Main motor power (S1 - 100%)	Kw	37 (45 - 55 - 75)				
Cross slide travel	mm	1200				
Top slide travel	mm	200/400				
Tailstock quill diameter	mm	240 rotating quill				
Tailstock quill travel	mm	300				
Maximum weight of workpiece between centers	Kg	15000/18000				

Weigth		800	900	1000	1100	1200
Weight of the lathe of 3000 mm (D.B.C.)	Kg	20000	22000	24000	26000	28000
Each additional meter	Kg	+2500				

TC MEGALOS / Equipment

Standard equipment

- Bed – Headstock – Tailstock – Carriages made of cast iron
- Bed guideways are induction hardened and ground
- Headstock with induction hardened and ground gears; spindle is assembled on high accuracy bearings
- Carriages are sliding on antifriction material
- **Monolithic structure**
- **Hydraulic clutch**
- **Hydraulic brake**
- **Powered small tool post**
- **Rapid feeds**
- **Powered displacement of tailstock along bed**
- Electric plant with low voltage control panel; it is placed in a suitable airtight cabinet. Make of components is Siemens and/or Schneider
- **Safety protections according to EC standards:** plexiglas safety chuck guard with microswitch – turret plexiglas safety guard – **rear protection along full length of the machine** – protection of leadscrew and feed bars – emergency mushroom button
- Chip tank on wheels
- Cooling system with electro-pump
- Central lubrication of guideways with automatic pump
- Steady rest and follow rest
- Service tools and wrenches – Test certificate – Full electric diagram – Operation and maintenance book – Machine built according EC standards

Optional equipment

- Manual tool holder turret: Squared (4-way tool post) – Quick change turret – Indexing turret – Multifix turret
- 3 or 4 jaw self centering chuck
- 4-jaw independent chuck
- Live centre
- 2 or 3 axis digital readout
- Steady rest with larger Ø than standard one
- Roller support steady for heavy loads
- Work area lighting
- Cutting Surface Speed
- Variable spindle speeds (Inverter)
- Taper turning attachment
- Grinding equipment
- Levelling and anchoring pads