



# TC HEAVY PLUS

500 - 625 - 700 - 800L

Bed width 755 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 HEAVY PLUS / Features

Technical Specifications		500	625	700	800L
Height of centres	mm	500	625	700	800
Swing over bed	mm	1000	1250	1400	1600
Swing over cross slide	mm	650	900	1000	1200
Distance between centres	mm	1500... 16000			
<b>Bed width</b>	mm	<b>755</b>			
Spindle bore	mm	130 (205)			
Spindle nose	ASA	15"			
Number of spindle speeds	N.	21			
Spindle speed range	rpm	3.15:315			
Main motor power (S1 - 100%)	Kw	30 (37 - 45)			
Cross slide travel	mm	520	650	700	800
Top slide travel	mm	300			
Tailstock quill diameter	mm	160 (200 rotating quill)			
Tailstock quill travel	mm	300			
Maximum weight of workpiece between centers	Kg	10000			

Weigth		500	625	700	800L
Weight of the lathe of 3000 mm (D.B.C.)	Kg	12500	13000	13500	14000
Each additional meter	Kg	+2000			

# TC HEAVY PLUS / 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