



# TC

225 - 260 - 300 - 350



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# TC / Features

Technical Specifications		225	260	300	350
Height of centres	mm	225	260	300	350
??Swing over bed	mm	450	520	600	700
Swing over cross slide	mm	230	300	380	480
Swing in gap	mm	620	690	770	870
Distance between centers	mm	1000 - 1500 - 2000 - 3000 - 4000 - 5000			
Bed width	mm	400			
Spindle bore	mm	82 / 105			
Spindle nose	Camlock	8" / 11"			
Number of spindle speeds	N.	24 / 12			
Spindle speed range	rpm	9:1600 / 16:1200			
Main motor power (S6/S1)	Kw	7.5 (9.2)			9.2 (11)
Range of longitudinal feeds	mm/rev	(93) 0.028 - 6.43 / (65) 0.063 - 2.52			
Range of transversal feeds	mm/rev	(93) 0.012 - 2.73 / (65) 0.027 - 1.07			
Range of threads Metric	mm	(54) 0.5 - 224 / (22) 1 - 14			
Range of threads Whitworth	T.P.I.	(54) 1/8 - 72 / (25) 2 - 28			
Range of threads Module	mm	(54) 0.5 - 112 / (18) 0.5 - 7			
Range of threads Diametral Pitch	DP	(54) 1/4 - 64 / (24) 4 - 56			
Cross slide travel	mm	300	340		
Top slide travel	mm	130	150		
Tailstock quill diameter	mm	75	85		
Tailstock quill travel	mm	150	200		
Tailstock quill taper	Morse	5			

Weigth		225	260	300	350
TC x 1000	Kg	2600	2800	2900	3000
TC x 1500	Kg	2900	3200	3300	3400
TC x 2000	Kg	3300	3600	3700	3800
TC x 3000	Kg	---	4400	4500	4600
TC x 4000	Kg	---	---	5300	5400
TC x 5000	Kg	---	---	6100	6200

Optional		
Lathe with height of centres	mm	400

# TC / Equipment

## Standard equipment

- Bed – Legs – 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
- **Double mechanical clutch**
- **Electromagnetic brake**
- **Rapid feeds**
- **Air device on the tailstock to ease the displacement 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
- Spindle reduction sleeve
- 2 Dead centres
- **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
- 6 position longitudinal stop
- Thread chasing dial
- Work area lighting
- Variable spindle speeds (Inverter)
- Cutting Surface Speed
- Powered small tool post
- Powered displacement of tailstock along bed
- Taper turning attachment
- Grinding equipment
- Levelling and anchoring pads