

## Machine Specification

	<b>T6M</b>	<b>T6MS</b>
<b>Capacity</b>		
Swing over bed . . . . .	440mm	440mm
Maximum turned diameter . . . . .	215mm	220mm
'X' Axis travel . . . . .	200mm	200mm
'Z' Axis travel [Turned length] . . . . .	450mm	450mm
Carriage inclination [Slant bed] . . . . .	60°	60°
<b>Spindle</b>		
Spindle nose . . . . .	A2-5	A2-5
Spindle centre height [from floor] . . . . .	950mm	950mm
Chuck size . . . . .	170/210mm	170/210mm
Spindle bore . . . . .	64mm	64mm
Drawtube [bar] capacity . . . . .	54mm	545mm
Spindle bearing [internal diameter] . . . . .	95mm	95mm
Spindle speed [max] rpm . . . . .	6000/4000	6000/4000
Spindle motor power . . . . .	15kW	15kW
<b>Axes</b>		
'X' Axis ballscrew [diameter and pitch] . . . . .	32 x 8mm	32 x 8mm
'X' Axis rapid traverse . . . . .	25m/min	25m/min
'X' Axis thrust . . . . .	3.75kN	3.75kN
'Z' Axis ballscrew [diameter and pitch] . . . . .	32 x 10mm	32 x 10mm
'Z' Axis rapid traverse . . . . .	30m/min	30m/min
'Z' Axis thrust . . . . .	4.44kN	4.445kN
'C' Axis resolution . . . . .	0.001°	0.001°
<b>Turret</b>		
Operation [hydraulic clamp/servo index] . . . . .	<i>Bi-directional</i>	<i>Bi-directional</i>
Tooling Type . . . . .	VDI 30	VDI 30
Number of tool stations . . . . .	12	12
Turning tool shank size . . . . .	20 x 20mm	20 x 20mm
Maximum boring bar . . . . .	32mm	32mm
Number of driven tool stations . . . . .	12	12
Maximum speed . . . . .	5000rpm	5000rpm
Maximum power . . . . .	3.75kW	3.75kW
Rotating tool coupling . . . . .	DIN 5482 (15 x 12)	DIN 5480 (16 x 0.8)
<b>Size and Weight</b>		
Maximum power consumption . . . . .	28kVA	28kVA
Machine footprint . . . . .	3.9m <sup>2</sup>	3.9m <sup>2</sup>
Machine weight [approx] . . . . .	4000kg	4500kg

# Machine Specification - continued

	T6M	T6MS
<b>Tailstock [If fitted - Optional extra]</b>		
Hydraulic quill . . . . .	Yes	Not
Quill taper . . . . .	No.3 MT	Applicable
Quill diameter . . . . .	63mm	-
Quill travel . . . . .	105mm	-
Maximum quill thrust . . . . .	5kN	-
Tailstock body travel . . . . .	540mm	-
<b>Sub Spindle [A Axis]</b>		
Width across cross guide ways . . . . .	Not	240mm
Min/ Max travel [jaw to jaw] . . . . .	Applicable	20/470mm
Travel . . . . .	-	450mm
A Axis ballscrew . . . . .	-	32 x 10mm
A Axis rapid traverse . . . . .	-	30m/min
<b>Sub Spindle</b>		
Spindle nose . . . . .	Not	DIN 6353 [110Ø]
Chuck size / Collet size . . . . .	Applicable	130Ø/33mm Bore
Spindle bore . . . . .	-	55mm
Draw tube diameter [x length] . . . . .	-	40mm x 370mm
Spindle speed [max] rpm . . . . .	-	6000rpm
Spindle power . . . . .	-	5.5kW
Spindle torque . . . . .	-	35Nm
'B' Axis resolution . . . . .	-	0.001°

## Standard and Optional Accessories

<b>Fitted as Standard</b>		
Full guarding		
Coolant tank capacity . . . . .	100Ltr	100Ltr
Coolant pump - delivery [2.5 bar] . . . . .	25Ltr/min	25Ltr/min
Machine lighting - Fluorescent lamps		
'X' Axis linear scale		
<b>Available as optional extras</b>		
Collet chucking		
Parts catcher		
Swarf coneyor		
Tool set probe		
Inspection probe		
Bar feed unit [MBF1000]		
'Lights out' package		
Hydraulic System Cooler [ambient temp above 35°C]		