

**Subject: Bed Type milling machine FS-2**
**Model: FS-2 YEAR:2006 RETROFITTED**
**BASIC CHARACTERISTICS OF THE MACHINE**

			FS-2
<b>TABLE</b>	Surface	mm	2.100 x 850
	T-Slots	mm	1 in H-7 & in H-10
	Distance between T-slots	mm	140
	Admissible load	Kg	5.500
<b>TRAVELS</b>	Longitudinal	mm	2.000
	Cross	mm	1.000
	Vertical	mm	1.000
<b>WORKING FEEDS</b>	Feeds	mm / '	0 - 20.000
<b>MAIN DRIVE</b>	Power - EDE100%	Kw	22KW (S1)
<b>TORQUE</b>	Power - EDE100%	Nm	1100Nm with gearbox
	Taper shank	ISO /DIN	50 / 69871
	Speed range	Rpm	50 - 4.000
<b>BALLSCREWS</b>	Longitudinal	mm	63 x 10
	Vertical	mm	50 x 10
	Cross	mm	50 x 10
<b>ACCURACIES</b>	Positioning	mm	<u>0,005</u>
	Repeatability	mm	<u>0,005</u>
<b>WEIGHT</b>	Aprox. Machine weight	Kg	14.500

#### STANDARD EQUIPMENT:

- *Heidenhain TNC i530M*
- *Scales in three axis*
- *Digital motors and drives*
- *ZF Gearbox (1:4 ratio)*
- *Linear guide ways*
- *Thermal compensation*
- *CE Standard safety*
- *Ballscrews with double preloaded nut in all three axis*
- *Coolant pump (up to 15 bar). 225 L deposit*
- *Automatic ballscrews lubrication system*
- *Hydraulic compensation of vertical movement with motor brake*
- **Manual milling head**
- *Portable electronic Handwheel HR-410*
- *Rigid tapping*
- *Internal coolant through spindle (air and water)*
- *External coolant*
- *Coolant filter*
- *Rotary table 4<sup>th</sup> axis horizontal / Vertical 450mm +manual tailstock*