



Universal tool and cutter Ginder are used to sharpen milling cutters and tool bits. Our sigma UTC series is extremely veratile machine useful for surface grinding and grinding of complex shapes. Our sigam UTC series comes with variety of opitional accessorise and fixtures. set-up can be created and combuined to complete many operations.

#### **Univeresal Tool and Cutter Ginder**

Sigam UTC 250TM 
Sigam UTC 250T 
Sigam UTC 280T

### **Machine Features**

## **Functional Versatility**

The machine basically designer for sharpning and recondetion wide range of high speed and carbide Tipped tool as side & Face Milling Cutters Cylinders cutters, Angel Cutters, convex & concave cutters, gear hobs, End mills, shell mills Reamers, Drill, Tapes etc.

#### Main Construction of Machine

Wheel Head: Its is of rigid construction and holds the spindel assembly. It can be fitted horizontal and swiveled vertically full 360 degree, for quick setting of compund angels. wheel head is mounted on the rigid column, which can be raised/lower up/ down wheel head also can be adjusted 150mm on cross direction.

Wheel head spindel: Alloy steel hardened and ground spindeld is mounted on precision pre-load radial ball bearings, which are greased packed. The grinding wheels can be mounted on both side of the spindel and the wheels mount design is such that the spindel can be reversed.

Work Table: This is mounted on the carriage and can be swiveled 45 degree on either side of the column. This tables has a smooth and rapid moument longitudinally on the carriage through LM Giudeways which enable smooth, sensitive and accurate longitudinal movment even with heavy jobs Auxillary.

**Universal Work Head**: This Can be Swiveled full 360 degree in both Horizontal and Vertical planes. Its spindle nose has ISO 50/MT 5 tapers and the spindle is mounted to taper roller bearings.

### **Standard Accessories**

- Universal Cutter Head with

- ✓ Left Hand Centre Tail Stock
- O Diamond Holder
- ✓ Universal Tooth Rest

- ✓ Cutter Arbor Dia 25.4

- Suitable Electrical

## **Optional Accessories**

- ✓ Long Reamer Grinding Attachment

- Blade Grinding Attachment

- Angular Wheel Dressing Attachment

- Collets Attachment

- Spindle Dia: 6,10,11 or 14 mm
- Diamond Dresser
- ✓ Collets

# **Technical Specification**

		SIGMA UTC 250TM	SIGMA UTC 250T	SIGMA UTC 280T
CAPACITY				
Max. swing on std. Centre	mm	250	250	280
Swing with Raising Blocks		350	350	380
Length between Workhead and RH Tailstock	mm	330	520	610
Admit between Centers		440	670	760
Max. Height Center of wheel above Table	mm			
TABLE				
Longitudinal Traverse	mm	400	480	510
Cross Traverse		200	250	250
Swivel either side of Centre (End Scale)	degree	-	9	g
Swivel LH/RH of Column (Centre Scale)				
Size of Table	mm	850 x 115	920 <sub>X</sub> 140	1040 <sub>X</sub> 140
WHEEL HEAD				
Vertical adjustment of Wheel Head	mm	210	210	290
Swivel	degrees	360°	360°	360°
Tilting in either Direction	degrees	180°+	180°+	180°+
	r.p.m.	3800 5600	3800 5600	3800 5600
Motor Power	KW/HP	0.75 / 1	0.75 / 1	0.75 / 1
SHIPPING DIMENSIONS				
Net weight of the Machine	kg.	750	11 <sup>50</sup>	1250
	kg.	900	350	1450
Overall size of Machine L x W x H	mm	1075 x 1100 x 1400	1425 <sub>x</sub> 1470 <sub>x 1</sub> 580	1425 <sub>x</sub> 1470 <sub>x 1</sub> 580
Overall size of Packing case L x W x H		141 300 550	575 575 650	1575 x 575 x 650

# **OUR PRODUCTS RANGE**



CNC EDM (Pg. No. 04)



































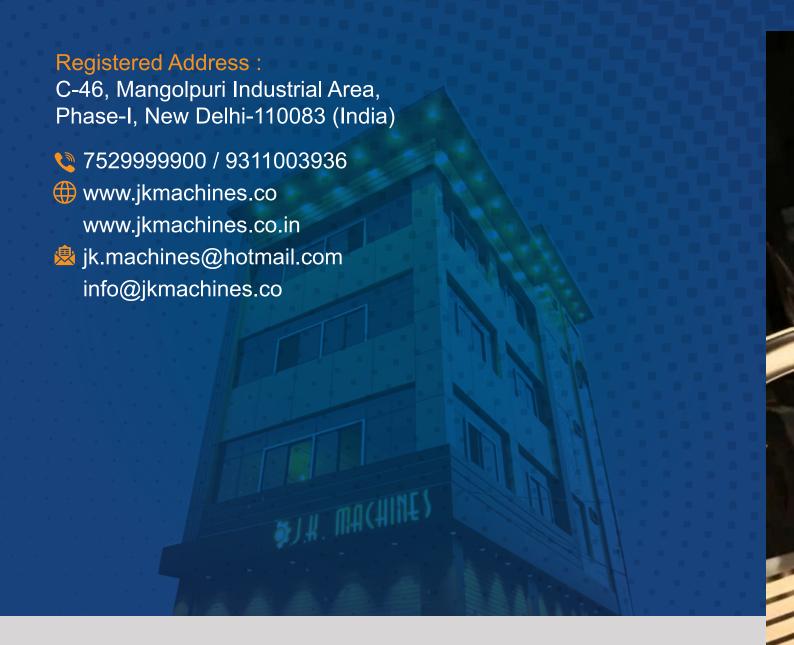














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