



Solanki Mechanic Works

## Precision Jewellery Machines

**DF-9 NEW**  
with Laser  
Sensor

**NEW**

**CNC Diamond  
Faceting Machine  
for Bangles & Rings**



**Solanki Mechanic Works**

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## CNC Faceting Machine (Computerized & Numerically Controlled)

### CNC Diamond Faceting Machine for Bangles & Rings

#### Specification

- The computerized and numerically controlled (CNC) machine is capable of generating various decorations on flat bands, convex (Oval) bands and rings.
- The machine is equipped with CNC controller and Ac servo motors to ensure life long maintenance free working.
- The spindle is equipped with special ceramic bearings of very high precision accuracies. The spindle has a maximum of 40,000 rpm. This spindle is coupled with variable Ac drive which gives flexibility to change the speeds as per design requirements.
- The CNC controller is compatible with leading CAD/CAM softwares available in the market. The programs are generated in “g” codes & “m” codes. The programs can also be generated manually.
- All the machine components are machined on precision CNC machines and are hardened and grounded. These components are individually inspected for accuracies. The machine is assembled in a controlled environment.
- **Centering sytem: Laser auto-centering system for centering bangle. Automatic Z-presetter for different tools.**

Capacity		Controller	
X – Axis Travel	150mm	Panel	Siemens 840Di
Y – Axis Travel	50mm	Weight of Machine	1250 Kg
Z – Axis Travel	125mm	Electric Capacity	
V – Axis Travel	Radius Setting	Connected Load	8KW
B – Axis Degree	135 Degree (-35 degree to +115 degree )	Phase	3 Phase 440W AC
C – Rotary Axis	360 Degree	Coolant System	
A – Axis Degree	-20 Degree to +270 Degree	Air and cutting oil system	
Horizontal Sp1	Spindle Axis – 1	Job Clamping	
Vertical Sp2	Spindle Axis – 1	Auto Pneumatic Clamping Cylinder Capacity	70 Kg
Main Spindle		Machine Actual Dimension	
Vertical Spindle Speed	0-40,000 RPM	Length	1340 MM
Horizontal Head Spindle Speed (150mm)	0-6,000 RPM	Breathe	1240 MM
Horizontal Head Spindle Speed (30mm)	0-10,000 RPM	Height	2050 MM
Spindle Power	2.2KW	Weight	1250 KG
Feed		Machine Dimension With Wooden Box	
Rapid Traverse (All Axes )	5 mtr/min	Length	1593 MM
Cutting Feed	3 mtr/min	Breathe	1543 MM
No of Tools	38 Nos.	Height	2302 MM
Tools Selection	Random	Note: All rights of modifications reserved.	