



## PRECISION CNC CENTRELESS GRINDING MACHINE MODEL “MICROTEK CG 60 CNC” Designed for smaller diameters of jobs without centers.

### TECHNICAL SPECIFICATIONS

Grinding dia	Max.	mm	63
	Min.	mm	1.5
Infeed Grinding	Max. Length	mm	95
Through-feed grinding without feeding device	Max. length	mm	220
Vertical adjustment of work rest blade		mm	25
Regulating wheel head size		mm	250x127x100
Recess size		mm	2x190x12
Grinding wheel size		mm	350x127x100
Grinding Wheel Speed	New	rpm	1910
	Worn-out	rpm	2220
Regulating Wheel Speed with step less drive		rpm	20-350
Working stroke of feed slide (approx.)		mm	110
Regulating Wheel head adjustment towards work rest blades		mm	70
Swivel of Regulating Wheel Head			
For Taper Grinding		Deg	+4 / -2
For Through feed Grinding		Deg	+4 / -2
Minimum advance for in feed/ slide		mm	0.002
Least count on dial		mm	0.001
Grinding Wheel Motor		kw	2.2/3.7*

### MACHINE BED

Machine Bed with high grade Cast Iron with higher wall thickness, generously ribbed,

### GRINDING WHEEL HEAD

Grinding Wheel Head is massive and fixed to bed, Cartridge Spindle supported by high precision preloaded angular contact bearings grease packed for life.

### REGULATING WHEEL HEAD

The regulating Wheel Head supported on heavy housing and has easy access for angular adjustments. Cartridge Spindle supported by high precision pre-loaded angular contact bearings , grease packed for life.

### FEED SLIDE

The feed slide runs on antifriction M & V needle roller linear bearings grease packed for life. The slide is driven by Servomotor. The regulating wheel positioning slide is mounted on feed slide for manual positioning for various job sizes.

### REGULATING WHEEL

The Truing device for grinding wheel is thru X & Y axis and programmable for different profiles. The Truing device for regulating wheel is thru co ordinate axis. The wheel can be trued straight or any tapered profile.

### GRINDING WHEEL

The Truing device of regulating wheel has a vertically adjustable diamond holder so that required hyperbolical shape of the wheel can be obtained.

### COOLANT TANK

Coolant Tank with high pressure high & low pump and Magnetic separator.

### LUBRICATION

Centralized lubrication unit for slides and Ball Screws

### CNC SYSTEM

Siemens 808 Package with 3 axis X, Y & Z directly mounted on machine for space saving and easy maintenance. Pendant mounted operator control for key board operation.

Manufactured By:

**M/S Microtek Grinding Machines Pvt. Ltd.**  
(Total Grinding Technology Solutions)

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