

# MCR - 430

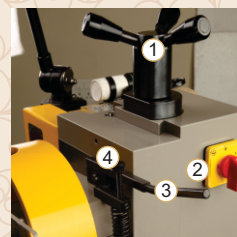
## Faceting & Milling Machine Single Head Horizontal Circumferential.

This is a table top compact portable single head machine exclusively designed for circumferential (long cut) and regular horizontal operation. Most sought after machine for its unique utility in designing sparkling Bangles and Rings with help of a specially designed tool holder which revolves around the work piece, forms attractive and eye-catching long deep radial cuts. A unique design in itself.

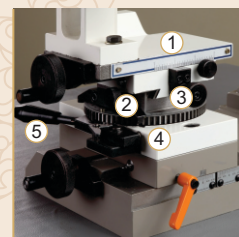
- Manual feed lever with an adjustable depth screw for depth to cut on job.
- Vertical axis with micromatic screw adjustments for fast location/retraction of work piece.

This machine is also especially designed to work on the following attachments :

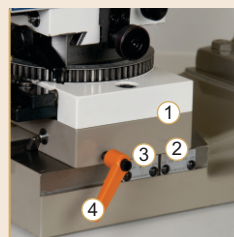
- Self-lining device with stepper motor and digitally read controller.
- Single zig-zag (Laser) attachment.
- Double zig-zag (Laser) attachment.
- 'D' Tilting device for round & half round (Kanas type) bangle.
- Has an effective "Auto Electro Brake System", to stop horizontal spindle instantly.
- ...And many more attachments are innovated for special jewelry.



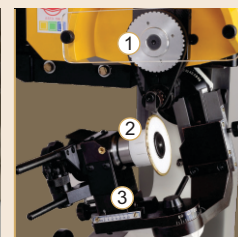
- 1 Micromatic Vertical Movement Steering
- 2 Main Switch
- 3 Vertical Movement Lever
- 4 Depth setting Micromatic Screw



- 1 Longitude Top Slide
- 2 Locking Bracket for 45° Movement for Circumferential Work
- 3 360° Turret Table
- 4 Cross Slide
- 5 360° Angle Fixing Lever



- 1 Main Centring Cross Slide
- 2 '0' Scale for Standard Universal Indexing Device
- 3 '0' Scale for Circumferential Indexing Device
- 4 Transverse Slide Locking Key



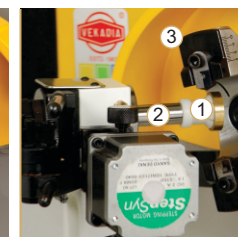
- 1 AFM25-61 : Horizontal Tool Holder 25mm for 1 Tool
- 2 AFM35-11 : 'D' Tilting Collet (for Kanas Bangles)
- 3 AFM79-41 : 'D' Tilting Device (for Kanas Bangles) with cross cut



- 1 AFM35-11: Bangle Collet for Circumferential
- 2 AFM34-11: Bangle Collet Mandrel for Circumferential
- 3 AFM32-31: Horizontal Tool Holder for Circumferential (Bangle)
- 4 AFM39-11: Microscope with Device



- 1 AFM71-31 : Self-lining (dulling) Device with Stepper Motor & Digital Read Controller
- 2 AFM41-80 : Indexing Device for Circumferential



- 1 AFM36-11 : Ring Collet for Circumferential
- 2 AFM28-23 : Ring Collet Mandrel (12mm)
- 3 AFM33-31 : Horizontal Tool Holder for Circumferential (Ring)

## Technical Specification

MCR - 430

Sr. No.	Technical Data	MCR - 430
01	No. Of Head	1
02	Type Of Main Center	Horizontal
03	No. Of Axis 3	Universal
		Z Vertical
		Z1 Vertical For Tool Depth
		'Y' Transverse For Cross Movement
04	Transverse 'Y'-Axis	20 mm Forward And Backward Direction For Main Centre
05	Vertical 'Z'-Axis Movement	Micromatic Screw
06	Vertical 'Z1'-Axis Movement	6 mm (With Depth Setting Micromatic Screw)
07	Type Of Optional Accessories For Optimum Operation	All Optional Accessories Applicable For Circumferential And 'D' Tilling Device (For Kanas) Can Be Fitted (Except Vertical)
08	Milling Spindle Speed	4100 rpm
09	Milling Spindle Motor Single Phase	0.25 hp (0.18 kw)220V AC
10	Total Required Electrical Load	0.6 kva
11	Dimension (L X W X H)	54 X 54 X 64 cms
12	Floor Space Required (L X W)	39 X 21 cms
13	Net Weight With Standard Accessories	102 kg
14	Gross Weight With Standard Accessories	175 kg
15	Shipping Dimension With Std. Accessories (L X W X H)	74 X 71 X 81 cms