

## Roll Grinding cum Fluting Machines

### Models & Specifications

Model No.	Max Turning Diameter	Max Overall Length
K-RGFM 302	300 mm	2000 mm
K-RGFM 300	300 mm	2500 mm
K-RGFM 303	300 mm	3000 mm
K-RGFM 352	350 mm	2000 mm
K-RGFM 350	350 mm	2500 mm
K-RGFM 353	350 mm	3000 mm
K-RGFM 452	450 mm	2000 mm
K-RGFM 450	450 mm	2500 mm
K-RGFM 453	450 mm	3000 mm
K-RGFM 652	650 mm	2000 mm
K-RGFM 650	650 mm	2500 mm
K-RGFM 653	650 mm	3000 mm
K-RGFM 852	850 mm	2000 mm
K-RGFM 850	850 mm	2500 mm
K-RGFM 853	850 mm	3000 mm



# Technical Data of Cylindrical Roll Grinding cum Fluting Machine

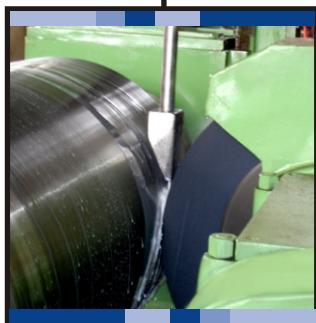
This grinding cum fluting machine serves to grind & flute blunt chilled cast iron rolls (mill rolls), but it also fulfills the requirement of other types of industries where chilled rolls are employed for similar purposes. For example: flour mills, feed mills, oil seed crushing & flaking, etc.

## Capacity

- Spiral cutting up to 20%. Left and right spiral can be cut.
- Number of flutes up to 1200.

## Features

- Extra heavy duty cast iron bed forms a rigid base where the machine table travels on Prismatic and Flat guides.
- Main table movement with the roll is hydraulic.
- Grinding/Fluting head is mounted on machine base on opposite sides.
- Easy positioning of grinding or fluting head. Hydraulic movement of grinding wheel head is optional.
- Complete with grinding wheel and fluting tool holder.
- Forward and reverse movement of the fluting tool is hydraulic and linked to the forward and reverse movement main roll table.
- The fluting control is carried out by driving head and indexing gears.
- The roll spiral and indexing is automatically driven by the carriage movement and ratchet mechanism.
- Automatic Forced lubrication system with timer ensures perfect lubrication of all moving parts and guides.
- Rolls support universal type with tail center and steadies.
- Straight & Tapered Spindles/Shafts can also be grinded.
- Equipped with dial gauge to maintain accuracy in taper grinding.
- Time taken to flute the rolls is reduced to more than 75% due to rapid reverse movement of main table.
- Equipped with all necessary motors and electric panels.
- Equipped with a mirror to know the contact between the grinding wheel and the roll.



## Advantages

1. Vibration free travel of the table even at the moment of reversal.
2. Variable speeds of forward and reverse motions of table are achievable due to hydraulic controls.
3. Forced Lubrication of all moving parts fitted with automatic timer pump.
4. Ease of operation by the operator control. Accident proof owing to the simple and robust design.
5. Straight & Tapered Spindles/Shafts can also be grinded.
6. Time taken to flute the rolls is reduced to more than 75% due to rapid reverse movement of main table.

The machine will include all necessary motors and electric panels.



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