

# SHRI ENGINEERING

## Abrasive cutting machine

**FCM-150** Abrasive cutting machine designed to cut various metal and non-metal samples to optimum quality. It is helpful to preparing specimen in factories, scientific research institutes and laboratories of colleges. Large space in the cutting zone offers flexibility to use wide variety of fixtures. Also in this model have cooling system to reduce the heat produced during cutting process to avoid burn the metallographic structure of specimen because of heat. Suitable for variety of applications including small gears, medium sized auto components and shafts.

### Key Features

- Large viewing window to monitor the cutting operation.
- illumination in cutting chamber.
- Recirculation coolant system.
- Emergency Stop Switch
- Door limit Switch for Door Safety Interlock
- Two Side Opening for Longer Component.
- Easy Operator Panel
- corrosion resistant



## FCM-150

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<b>TECHNICAL SPECIFICATION</b>	<b>FCM-150</b>
Operation	Manual/Automatic
Cutting Action	By manual Cut-Off wheel Arcs down
Cutting Capacity	150mm
Cut-Off Wheel Size	16" (400mm)
Cutting motor Power	5 HP or 7.5HP (As per customer requirement) 3 Phase 415 Volts, 50Hz
Abrasive wheel RPM	2400 RPM Approx.
Spindle RPM	2400 RPM approx.
Table Movement	X- Axis – 100mm Y- Axis – 120mm
Coolant Motor Power	0.1 HP – 3 Phase
Coolant Tank	50Ltr. Recirculating Coolant tank inbuilt
Vice	Self-Centring 360 rotation opening 6" jaw
Safety Feature	Emergency Stop Switch with Door limit Switch
Dimensions	650mm X 800mm X 1450mm
Weight	250 Kg. (approx.)