

# Sample Cutting Machine for Irregular Samples

This Machine is a result of continual design improvement based on the feedback acquired in more than 15 years.

This is ideal for metallurgical laboratories where irregular and over-sized samples come for analysis, especially in production environment.

Samples having irregular shapes which are very difficult to hold in a vice can easily be clamped in the T-slots provided in the rigid platform which is constrained to slide in XY-direction (on mutually perpendicular guides with respect to the cutter) very conveniently with the help of feeding hand wheels. A vice is also provided with this machine to clamp small and regular shaped samples.

The rotating cutter is fed intermittently by means of a very specially designed Swing-&Spin mechanism which provides a positive and constant cutting pressure throughout the span of cutting course.

## Salient Features

- **Sample Size:** Edged Samples; 10"x10"x1", Round Sample: Dia 40 mm x 12"
- T-Slotted Platform for holding Edged / Irregular Samples,
- XY-Motion of Clamping Platform,
- Coolant Circulation System provided,
- Fully covered Cutting Chamber with visible operation, for safety,

## Model: SCM-1044



## Technical Specifications

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|-------------------------------|--|
| 1 <b>Solid Base</b>           | : Concrete Filled Base and Column to earth the vibrations.                                   |
| 2 <b>Clamping</b>             | : T-slotted clamping table with vice.  |
| 3 <b>Sample Size</b>          | : Maximum Sample Dia 40mm / Cross Section 40x40 mm. (Meant for spectrographic samples only.) |
| 4 <b>Motor</b>                | : 5 HP, 3 Phase, 50 Hz, AC, Crompton / ABB.  |
| 5 <b>Abrasive Cutter Size</b> | : OD: 14", ID: 40mm, Thickness: 3 mm.  |

*Note: Supplied equipment may vary from the image(s) shown here.*