



Modern Metallurgical



CUTTING AREA

Heavy-duty cutting chamber with fully enclosed structure



MOTOR

Low vibration, stable cutting performance



PANEL BOX

Front-mounted user-friendly control panel



LED PANEL LAMP

Bright white LED lighting for clear visibility

METALLURGICAL CUTTING MACHINE !



**MODERN EXTRA LARGE ABRASIVE CUT-OFF MACHINE
MODEL : MODERN CUT - 4**

TECHNICAL SPECIFICATION :

- Sturdy Floor Model Cutter for Selecting Metal and Mineral samples
- Heavy Fabricated structural cabinet
- Cutting capacity up to 110 mm Dia. / 75 mm Height X 500 mm Long ✓
- Standard steels (Not Significant For all Materials)
- 7.5 HP,(5.5KW) phase motor,2880 rpm, TEFC water proof insulation With Belt Drive
- 1/2 HP coolant pump
- Splash proof, Corrosion resistant MS cover with see-through Hood
- Overload protection provided for safe operation of motors
- Control panel With Push button, Emergency Stop, Over load protection
- 415 Volt operated contactors and relays
- Safety limit switch provided to stop motor when hood is opened
- Heavy Large 300 mm X 300mm Bed ✓
- T – slotted bed for fixing Different Type of clamps
- Three Axis Movement (X,Y,Z)
- MULTI PURPOSE TWIN THREAD LOCK VISES for holding samples
- Small opening in the side wall for extra length jobs & 120mm height X 500 mm length
- Cut – off wheel diameter 14” (350mm)
- Cooling by four high flow water jets to provide optimum cooling
- One large (70 mm) drain, re-circulation coolant tank with 150 Ltrs Capacity
- Suitable-filtering part is provided to filter slugs formed during cutting
- Cleaning Hose hand flush jet to clean the working area of the Machine
- LED light illumination inside the chamber to illuminate the cutting area
- Machine size: 1200 X 1300 X 1800 mm. Weight: 490 Kgs Approx
- LED light& vise are not Covered under Warranty



ACCESSORIES :

- Cut Of Wheel: 350 X 2 X 31.75 mm 14 “ inches. (Low Hardness)
- Cut Of Wheel: 350 X 1.5 X 31.75mm 14” inches(High Hardness)



Cut Of Wheel

OPTIONAL ACCESSORIES :

- Koppel Fixture (Sample Holding for irregular Jobs)
- Mould clamp with T-bolt
- Variable speed System Wheel
- RPM start from 500 to 3000
- LOTO SWITCH & TAG OUT : Used to ensure that equipment or systems are shut down, inoperable, and (where relevant) de-energized prior to any maintenance or repair work
- DOOR INTERLOCK : It is utilized in order to assist in staving off machine that cause harm to the machine itself or to the operators
- Magentic separator helps to straining coolant dust particle and it help to send coolant oil to recirculation chamber



Koppel Fixture



Mould clamp



Variable speed



Loto Switch & Tag out



Door Interlock



Magentic separator



Modern Metallurgical & Scientific Services

SINCE 2005 | AN ISO 9001 : 2015



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