



METCUT 20A

Abrasive cut off Machine Extra Large auto



MetLab
Corporation

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cut off Machine
Extra Large auto



METCUT 20A Automatic Extra large heavy-duty cutting machine with integral sliding door construction. Standard Y automation with optional Z automation. Pulse cutting, step cutting etc., for burn free cutting.



Advanced PLC based
touch screen system
With pre set programs



Sturdy Floor Model Cutter for sectioning Metallography Samples
Heavy Duty Steel construction
Corrosion Resistant Cutting Chamber for a long product lifetime
Two Way Sliding Door System
Easy Flow Cutting Chamber with Special Floor Coating

Cutting Action

User Friendly for 3 Axis Operation
Pulse Cutting / Step Cutting / Jog cutting Facility

Display System & Programming

Large Graphical Display with Touch Screen PLC System
Touch Screen Panel with features of Start, Stop, Reset, Cutting,
Coolant, LED and Emergency Stop button Door Safety Limit Switch

Pre Set Programming of Data

Data Storage up to 25 programmers

Variable feed rates with Auto Reverse Facility

Easily selectable Auto stop position can be set where the cutting process will be stopped and the Cutting table Or Cutting Wheel returns to its start position.

Cut off wheel cooling system

Cooling by Multiple high flow Coolant jets(4 Nos) to provide optimum cooling

One large drain for draining the coolant

Screw Vise Set

TECHNICAL SPECIFICATIONS

MODEL: METCUT 20A

Wheel Size	Upto 20" (508 mm)
Cutting Capacity	Upto 6" (150 mm)
Cutting Action	X/Y/Z Movement Manual/Auto
Motor	15 Hp (11 K.W.) Three Phase
Arbor	31.75 mm
Wheel Speed	Upto 3000 RPM Variable speed (Brake Motor)
"T" Slot Table size	19" x 19" (500 X 500 mm) with 12 mm "T" Slot
Dimensions	H: 74" X W: 67" X D: 67"
Weight	2816 Lbs (1280 kg)
Main	480V , 3Phase
Colour	Enclosures Glaze Grey 615 Base RAL 7021

Magnetic Separator : This helps to separate the dust particles and sends the clean coolant for the recirculation

Door Safety Interlock System : Additional Safety Feature where the Door cannot be opened unless the Cutting process is stopped

Bed Wash : To clean the Bottom base bed Automatically while cutting and you can save operator Cleaning time

Loto Switch & Tag Out: During Maintenance and Break Downs the Loto Switch can be switched off and locked with the tag key. This prevents from switching on the machine by mistake and avoids damage

Phase Monitoring System : In the event of failure of one phase, this unit will stop the Machine and protects the motor from overheating and failure

Fume Digester : This helps to recirculate the fume caused while cutting into coolant. Gives clear vision on cutting process and also avoid human health hazards

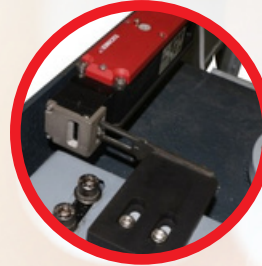
Auto Wash : To set the required time and leave the machine to clean automatically, So that you can save operator Cleaning time



Auto Wash



Water Proof
LED Lights



DOOR SAFETY
INTER LOCK



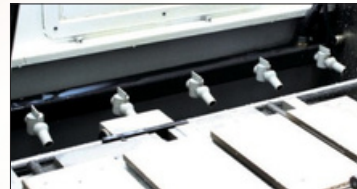
Fume Digester



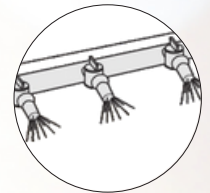
CLEANING JET



Laser Line
Marking System



Bed Wash



Inbuilt Movable
Recirculation
Coolant Tank with
200 Ltrs capacity

0.3 Kw Coolant
Recirculation Pump
with Overload
Protection X 2 Nos



Cam Vise



Screw Vise



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