



METCUT 14A

A Sturdy Floor Model
Heavy Duty
cut-off machine



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METCUT 14A Automatic heavy duty cutting machine with integral construction. Standard Y automation, Pluse cutting for burn free cutting. Preset parameters for consistency.



CONTROL PANEL



PLC with
Advanced
Graphical
Touch Screen
display

Sturdy Floor Model cutter for Metallographic sectioning of Metals
Rust proof Steel construction with sliding door system
Advanced Touch Screen Panel – Cycle Start, LED Light, Emergency Stop, Start Button with Door Safety Limit Switch and Pre Set Programme
Ergonomic "Z" Movement Cutting Hand Wheel
Easy Flow Cutting Chamber with Special Floor Coating
Cutting action- Automatic " Y "movement (Table) with Servo System
PLC with 7" Advance Graphical Touch Screen Display
Variable feed rates with Cutting Length
Pre Set Programming & Data Storage upto 25 programmes
The machine offers also manual mode for increased flexibility
Splash proof, corrosion resistant see-through hood
Cooling by three high flow coolant jets to provide optimum cooling
Cut off wheel cooling system

65 mm drain for coolant recirculation
0.3 Kw Coolant Recirculation Pump
Flash cleaning attachment with hook for mounting
Powerful LED light in cutting chamber for clear illumination of Cutting process
Door Safety Inter Lock System
Note: Additional Safety Feature where the Door cannot be opened unless the Cutting process is stopped
Y Movement (Longitudinal sectioning)
X-Movement(cross movement)
Note: This helps to move the specimen and make parallel cut to get a slice
Serial Cutting (Option)

TECHNICAL SPECIFICATIONS

Wheel Size	Upto 14" (350 mm)
Cutting Capacity	Upto 4.3" (110 mm)
Movement	X/Y/Z Movement Manual/Auto
Motor	7.5 Hp (5.5 K.W.) Three Phase
Arbor	31.75 mm
Wheel Speed	Upto 3000 RPM Variable speed (Brake Motor)
"T" Slot Table size	20" x 14" (510 X 358 mm)
Dimensions	H: 68" X W: 42" X D: 55"
Weight	1584 Lbs (720 kg)
Main	220V-230V, 3Phase, 60 Hz also in (480V)
Colour	Enclosures Glaze Grey 615 Base RAL 7016

ACCESSORIES

50 02-LV	Quick Acting Vise, Left
50 02-RV	Quick Acting Vise, RIGHT
15 01	Quick clamping Device with clamping shoe, 90mm
15 02	Quick clamping Device with clamping shoe, 115 mm

CONSUMABLES

RUBBER BONDED, RESIN BONDED ABRASIVE CUT-OFF WHEELS
SOLUBLE OIL

OPTIONAL ACCESSORIES

Koppel fixture

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

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.

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.

Auto Wash : To set the required time and leave the machine to clean automatically.

DC Braking system: If You purchase DC Braking system you must purchase variable speed system

Serial Cutting



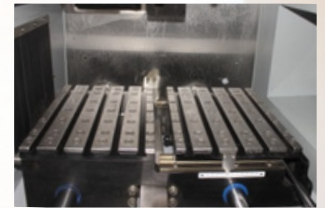
CUT OFF WHEELS



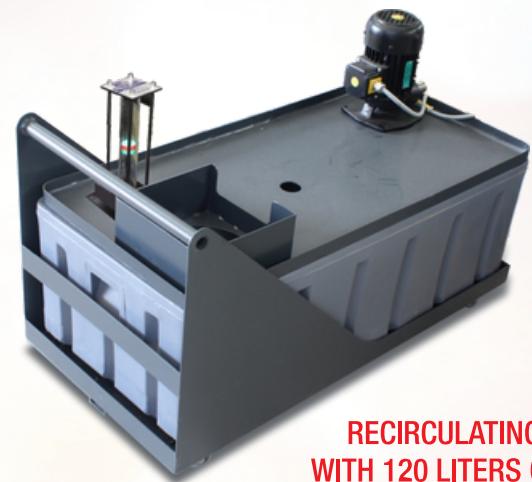
SOLUBLE OIL



DOOR SAFETY INTER LOCK



"T" SLOT TABLE



RECIRCULATING TANK
WITH 120 LITERS CAPACITY



CLEANING JET



Powerful Lights



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