

ABRASIVE CUT OFF MACHINE

Baincut *XL Auto*



Heavy Duty Abrasive
Cut Off Machine

Automatic Fully Loaded

Display System & Programming:

Large Graphical Display with Touch Screen PLC System, Automatic “Y” Movement (350 mm) Cutting Action with Servo System, Variable feed rates with Auto Reverse Facility and Pre set program (Saving Up to 50 Program)



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

Cutting Capacity up to 150 mm Dia for standard steels (may not be applicable to all the materials)

15 HP (11 k.w), 3 Phase AC Motor

Cut-off Wheel dia 20" (500mm)

Easy Flow Cutting Chamber with Special Floor Coating

Cutting Action:

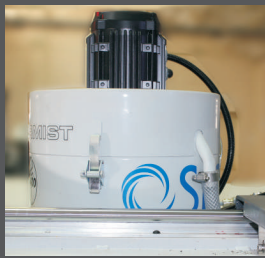
User Friendly for 3 Axis Operation

Automatic “Z” Movement Cutting Action with Servo System

Manual “Y” Movement with Ergonomic Handle Wheel

Manual “X” Movement (300mm)

Pulse Cutting / Step Cutting / Jog cutting Facility



Fume Digester



Water Proof LED Light



Door safety interlock



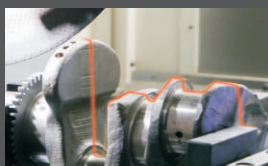
Cut off wheel cooling systems



Auto Wash



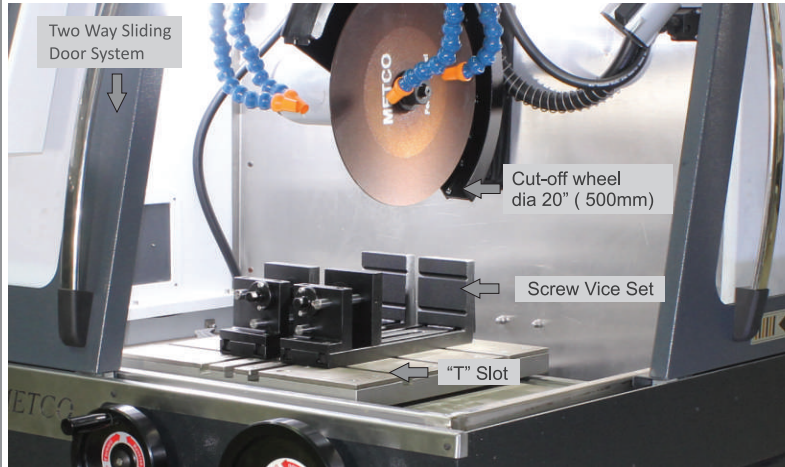
Manual Cleaning System



Laser Line Marking System

Heavy Duty Steel construction

Corrosion Resistant Cutting Chamber for a long product lifetime



"T" Slot Bed: 500mm x 500mm with 12mm T-Slot

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.

Coolant System:

Inbuilt Movable Recirculation Coolant Tank with 200 Ltrs capacity

0.3 Kw Coolant Recirculation Pump with Overload Protection X 2 Nos

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

Flash cleaning attachment with hook for mounting

Water Proof focused LED lamp in the working area provides clear illumination

T-Slot Bed: 500mm x 500 mm with 12 mm T-Slot

Screw Vise Set

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

Voltage: 415V/50 Hz (R+Y+B+N+E)

Machine Size: 2100mm x 2150mm x 2400mm (L x D x H)

Machine Color: Enclosures RAL 7040 , Base & Stand RAL 7021

Optional Accessories

" Y" movement Automation with PLC

Note: Automatic Y Movement option with PLC Controlled

DC Braking System

Note: Additional Safety Feature to stop the Motor and the cutting wheel immediately once the Cutting is stopped- You must order variable speed system

Oscillation Movement for Z – Movement

Oscillation movement reduce 40% time compared without oscillation cutting machine and saves time for the user, a significant reduction of effort, the contact point between sample and cut-off wheel is always less so easier to the cutting operation

X Movement Automation (Serial Cutting)

Note: The serial cutting mode increase productivity by cutting up to 10 different size slices (or) with same size slice.

Laser Line Marking System

Note: To know in advance the exact cutting area

Koppel Fixture (Indigenous)

Koppel Fixture (Imported)

Note: Additional Fixture to hold irregular shaped components

Koppel Fixture Height Adjustment Block

Note: Height Adjuster for the Koppel Fixture to additional 60 mm for different diametrical components

High Pressure Coolant System

Note: This enables the coolant to reach the inner cutting area with higher velocity. Mostly used for cooling sensitive components

Imported Hoist

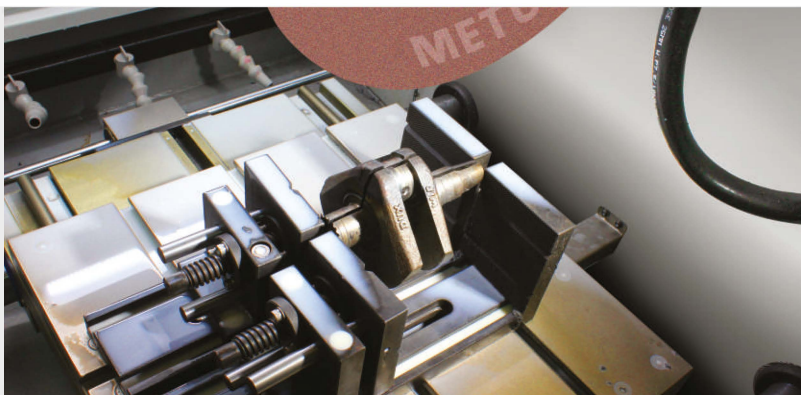
Static Paper Filter System

Note: Used to filter the Coolant Dust up to 50 to 100 micron level and send clean coolant to the Recirculation tank

Variable speed system from 1000-3000 RPM

Rotary Chuck

Note: Reduce cutting time and to avoid over heating of hard Materials (Note :If required as per your application, must be ordered along with Machine purchase, later cannot be included)



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