



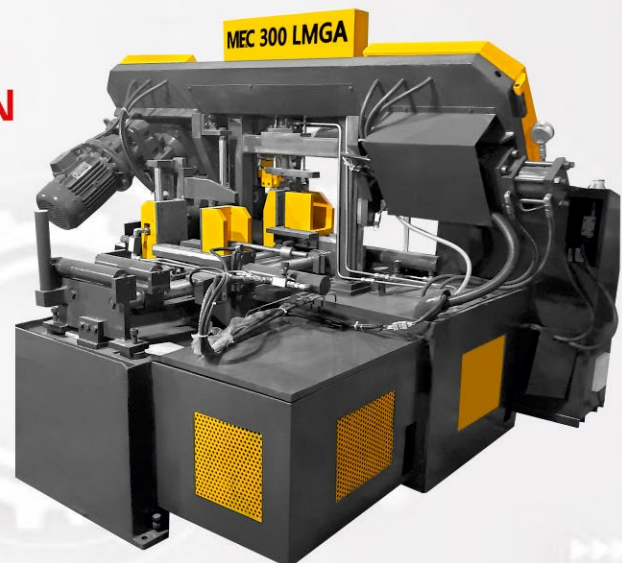
MEC TECHNOLOGY MACHINES (I) PVT. LTD.

(Band Saw & Circular Saw Machine Manufacturer & Exporter)



**300 LMGA AUTOMATIC DOUBLE COLUMN
BANDSAW MACHINE**

**INNOVATIVE SOLUTION
FOR ACCURATE AND
EFFECTIVE METAL CUTTING**



MEC TECHNOLOGY MACHINES (I) PVT. LTD.

Website : www.mectechnology.co.in, Email : wearemec@gmail.com, info@mectechnology.co.in

CIRCULAR SAW MACHINES

(CNC and NC CONTROLLED CIRCULAR SAW MACHINE WITH TCT as well as HSS SAW CUTTER)

FANC CIRCULAR SAW MACHINE is the benchmark of productivity in Mass Production Applications. Such Machines used for productivity by replacing Bandsaw Machines, Shearing machines, and Lathe Machines.

Easy operating features and a robust design for precise cuts make this saw a must –have when it comes to serial cutting of medium or large lot sizes. Outstanding cutting performance and long saw blade life due to the robust and sturdy machine base which helps reduce vibration and noise during the sawing operation.



100 FANC CIRCULAR SAW MACHINE



80 FANC CIRCULAR SAW MACHINE

Applications Of Circular Saw Machines

- Most Suitable for Cold Forge Shops as very close weight variation in cut piece.
- Forging Units.
- Cutting Traders.
- Automobile Industries.
- Infrastructure.
- Fasteners Manufacturing .



70 FANC CIRCULAR SAW MACHINE

SPECIFICATION		60 FANC	80 FANC	100 FANC
Cutting Capacity	Round Bar	12-60mm	16-80mm	25-100mm
	Square Bar	10-45mm	10-60mm	25-100mm
	Stock Bar Length	2-6 Mtr.	2-6 Mtr.	2-6 Mtr.
	Cut Off Length	20-1500mm	20-1500mm	20-1500mm
	Single Feeding	600mm	800mm	800mm
Cutter	Length Type	TCT/HSS	TCT/HSS	TCT/HSS
	Size	250/285x2mm	315x2mm	360/420x2.6mm
	Coolant	Micromist	Micromist	Micromist
Drive	Feeding Drive	Servo & Ball Screw	Servo & Ball Screw	Servo & Ball Screw
	Cutting Drive	Servo & Ball Screw	Servo & Ball Screw	Servo & Ball Screw
	Hydraulic Tank Volume	70L	90L	100L
Other Features	Electrical-Control	PLC Control	PLC Control	PLC Control
	User Interface	Touch Screen HMI	Touch Screen HMI	Touch Screen HMI

THESE MACHINES REQUIRE STABILIZED POWER SUPPLY OF 3 PHASE 415 VAC, TO AVOID ANY MALFUNCTIONING OF SENSITIVE SERVO MOTORS AND DRIVES. IT IS RECOMMENDED TO HAVE A SERVO STABILIZER. THESE MACHINES WORK WITH MICRO-MIST COOLING ARRANGEMENT, WHICH REQUIRES DRY AIR AT 4 BAR PRESSURE & 10 CFM REGULAR SUPPLY AIR INPUT LINE

FULLY AUTOMATIC DOUBLE COLUMN BANDSAW MACHINES

210 – 460 mm LM Guide way Double Column Automatic / Semi-Automatic Bandsaw Machine.



210 LMGA

FULLY AUTOMATIC DOUBLE COLUMN BANDSAW MACHINE

MACHINE FEATURES-

- LM guides for friction free movement of cutting arm.
- High Efficiency Power Transmission through helical gear box.
- Hydraulic Blade Tensioning arrangement.
- Blade Tension/ Release control on Control Panel.
- Automatic switch-off of the band after finishing the cut.
- Automatic heights stop for saw frame to save idle time.
- Hydraulic Power Pack with easy operation & maintenance.
- Infinitely variable Feed Control Valve for Setting the Cutting feed.
- Electrical control panel with high quality switch gears
- Fully automatic PLC Controlled system for machine operation.

- Cutting Head Guided in to vertical High Precision Anti-Friction LMG Bearings for smooth movement.
- High Efficiency power transmission to saw through Helical Gear Box.
- Heavy Duty Pillar type hydraulic blade tension assembly.
- Infinitely variable feed control valve.
- Rapid Approach of saw frame to save idle time.
- Cycle sequencing through PLC.
- Automatic machine SWITCH OFF, in case of Blade Broken.



620 LMGA

DOUBLE COLUMN AUTOMATIC BANDSAW MACHINE



530 LMGA

DOUBLE COLUMN FULLY AUTOMATIC
STRUCTURAL CUTTING BANDSAW MACHINE

DOUBLE COLUMN FULLY AUTOMATIC STRUCTURAL CUTTING BANDSAW MACHINE

- All type of structural material cutting designed
- Highly Precision length setting through NC Control.
- Accurate variable down feed through Proportional Valve.
- Hydraulic Bundle Cutting Machine.
- Automatic Lubrication System for Main columns.
- A C Frequency control Drive for variable band speed.
- Micromist coolant arrangement.
- Blade Tension meter for periodic checking of blade tension.
- Electrically Driven Swarf Conveyor System.

DOUBLE COLUMN LM GUIDES HORIZONTAL BANDSAW MACHINE



1000 LMGS

DOUBLE COLUMN HORIZONTAL BANDSAW MACHINE

Optional Features Available

- Highly Precision length setting through Servo System.
- Accurate variable down feed through Proportional Valve.
- Hydraulic Bundle Cutting Machine.
- Automatic Lubrication System for Main columns.
- A C Frequency control Drive for variable band speed.
- Micromist coolant arrangement.
- Blade Tension meter for periodic checking of blade tension.
- Electrically Driven Swarf Conveyor System.

- Anti Friction LMG Bearings for smooth movements of cutting head.
- Separate Hydraulic Power pack for easy maintenance.
- Movable blade guide arm for precise cutting and better tool life.
- Inbuilt coolant with pump with High pressure coolant jets.
- Friction Type rotating cleaning wire brush.
- The cutting feed can be adjusted on the control panel.



650 LMGA

MITER CUTTING DOUBLE COLUMN HORIZONTAL BANDSAW MACHINE



850 LMGA

DOUBLE COLUMN HORIZONTAL BANDSAW MACHINE

Applications of Bandsaw Machines -

- Steel Industries.
- Forging Units.
- Cutting Traders.
- Brass / Aluminium / Copper cutting.
- Pipe / Tube Mill Industries.
- Automobile Industries.
- Infrastructure.
- Engineering Units.

VERTICAL BANDSAW MACHINE



2 Wheel / 3 Wheel / 4 Wheel / Runner Riser Cutting Machine / X-Y-Z Axis Cutting
/ Spring Cutting Machine (With Fixture)
/ Aluminum Slab Cutting Machine / Graphite Cutting Machine / Crank Shaft Cutting Machine
/ Tilting Head / Tilting Table Type / Hydraulic Feeding Vertical Bandsaw Machine

- Fully Automatic Aluminium Slab cutting of Size 1500 X 300 X 6000 mm
- Cutting Head Travel of 6.0 Meters.
- Movement of Cutting Head on LM Guide way via rack Pinion geared motor.
- Inside & Outside table for cutting material of 1500 x 6000 mm.

X&Y AXIS 750X3000 CUTTING HEAD MOVABLE VERTICAL BANDSAW MACHINE

- Automatic / Semi-automatic / Manual operations are available.
- Cutting capacity – 200-650 mm
- Hydraulic Blade Tensioning arrangement
- Indexing of material via Hydraulic Cylinder.
- Automatic machine stop in case of blade broken.
- Standard Colour – Polyurethane Paint: Off White & Grey.



300 V2 SEMI-AUTOMATIC VERTICAL BANDSAW MACHINE

Tilting Head / Tilting Table Vertical Bandsaw Machine

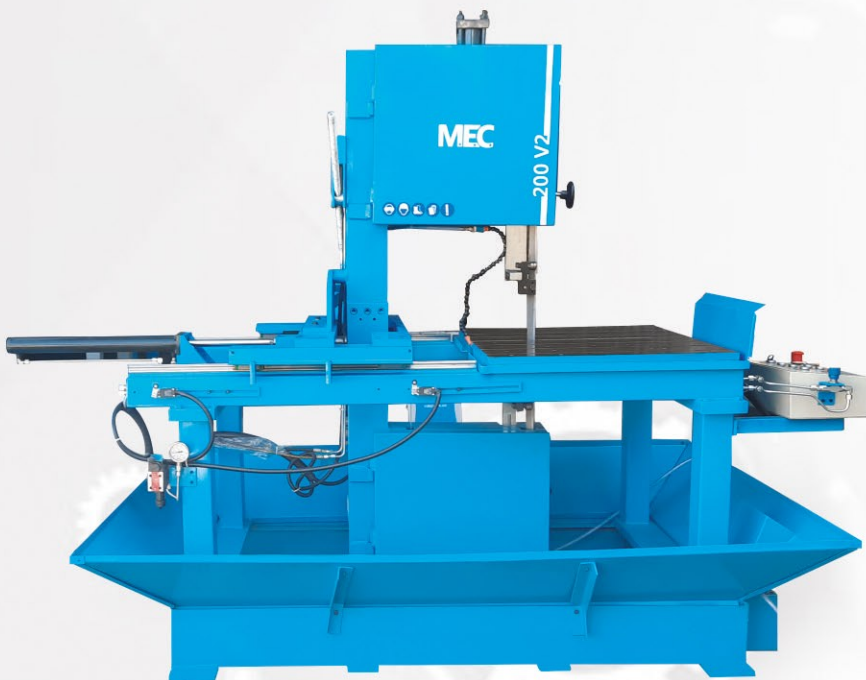
- Hydraulic Blade Tensioning arrangement.
- Miter cutting up to 45° in either directions.
- Cutting Capacity of 200 mm in 45°.

Application

- Rail Slitting work.
- Sprocket and expansion joints.
- Aluminium cast Slab ends cutting online.
- Die Cast Runner & Riser Cutting.
- Spring Cutting with Fixture.

Optional Supply –

- Variable Frequency Drive.
- Hydraulic Table Feed.
- Butt Welder (Suitable for CS blades only).
- Automatic Lubrication System.



200 V2 SEMI-AUTOMATIC HEAD MOVEMENT VERTICAL BANDSAW MACHINE

***Customized design as per requirement is also available.**

210 LMGS SEMI-AUTOMATIC DOUBLE COLUMN BANDSAW MACHINE



TECHNICAL SPECIFICATIONS

SPECIFICATION	200 SCM	200 SCH/ACH	210 LMGS	210 LMGA/LMGS	300 LMGA/LMGS	360 LMGA/LMGS	460 LMGA/LMGS	530 LMGA/LMGS	650 LMGA/LMGS	800 LMGA/LMGS	1000 LMGA/LMGS
Cutting Capacity	200 mm	200 mm	210 mm	210 mm	300 mm	360 mm	460 mm	530 mm	650 mm	800 mm	1000 mm
Drive Motor	1 HP	2 HP	2 HP	3 HP	5 HP	7.5 HP	10 HP	12.5 HP	12.5/15 HP	15 HP	20 HP
Hydraulic Motor	N/A	0.5 HP	0.5 HP	1 HP	1.5 HP	2 HP	2 HP	3 HP	3 HP	3 HP	3 HP
Coolant Motor	0.12 KW	0.16 KW	0.16 KW	0.16 KW	0.16 KW	0.16 KW	0.16 KW	0.25 KW	0.25 KW	0.25 KW	0.25 KW
Gear Box	N/A	Worm Gear Box	Worm Gear Box	Helical / Worm	Helical / Worm	Helical / Worm	Helical / Worm	Helical / Worm	Helical / Worm	Helical / Worm	Helical / Worm
System Control	Manual	Semi Automatic	Semi Automatic	Auto/Semi-Auto	Auto/Semi-Auto	Auto/Semi-Auto	Auto/Semi-Auto	Auto/Semi-Auto	Auto/Semi-Auto	Auto/Semi-Auto	Auto/Semi-Auto
Bandsaw Blade	3000x27x0.9	2910x27x0.9	3505x27x0.9	4000x34x1.1	4400x34x1.1	4860x41x1.3	5800x41x1.3	6900x54x1.3	8000x67x1.6	8800x67x1.6	12300x67x1.6
Blade Speed	20-70 mtr/min	20-90 mtr/min	20-80 mtr/min	20-90 mtr/min	20-90 mtr/min	20-90 mtr/min	20-90 mtr/min	20-90 mtr/min	20-80 mtr/min	20-80 mtr/min	20-60 mtr/min
Blade Tensioning	Manual	Manual	Manual	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Job Clamping & Updown	Manual	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic

OUR PRIME CUSTOMERS

FORGING	AUTOMOBILE	GOVERNMENT	ENGINEERING	CONSTRUCTION	EXPORTER
 HIGH ENERGY MATERIAL RESEARCH LABORATORY PUNE	 HEAVY VEHICLE FACTORY CHENNAI	 INDIAN SPACE RESEARCH ORGANIZATION BANGALORE	 GREY IRON FOUNDRY JABALPUR	 ORDNANCE FACTORY PROJECT MEDAK	 HINDUSTAN AERONAUTICS LIMITED BANGALORE
 DIESEL LOCOMOTIVE WORKS PATIALA	 HEG LIMITED BHOPAL	 ORDNANCE FACTORY AMBERNATH	 ORDNANCE FACTORY BHUSAWAL	 UNI KLINGER UNNIKLINGER LIMITED PUNE	 PREMIUM TRANSMISSION AURANGABAD
 NUCLEAR FUEL COMPLEX HYDERABAD	 NORTHERN COALFIELD LIMITED SINGRAULI	 METAL & STEEL FACTORY GURGAON	 ORDNANCE FACTORY AMBAJHARI	 IMOS - OMAN	 ELECON PERIPHERALS LIMITED GUJRAT
 WOODFORD WOODWORKING TOOLING - ENGLAND	 BHANDARI FOILS & TUBES LIMITED DEWAS	 BEDI STEEL LUDHIANA	 VALVETECH DUBAI	 DIESEL LOCOMOTIVE WORKS VARANASI	 NELSON GLOBAL PRODUCTS PVT. LTD. PUNE
 TECH HARD DUBAI	 MAURER SANFIELD INDIA LIMITED BHOPAL	 DEXTRA GROUP MUMBAI	 LINET EXPORTS PVT. LTD. VASAI	 NEW SWAN LUDHIANA	 TOSHIBA TRANS. & DISTRIBUTION P. L. HYDERABAD

WE ALSO MANUFACTURE SPECIAL PURPOSE CUSTOMIZED MACHINE AS PER INDIVIDUAL REQUIREMENT.

MEC TECHNOLOGY MACHINES (I) PVT. LTD., 306 A-1, Sector E, Sanwer Road, Indore - 452015 (M.P.) India
Ph. 0731-4975540, Mob.: +91 93016 65275, +91 93294 38246, +91 99939 43957, +91 97547 60715
Website : www.mectechnology.co.in, Email : wearemec@gmail.com, info@mectechnology.co.in

* The Above Specification & Designs are subjected to change without prior notice.
Optional accessories shown in machine Photographs are at extra cost.