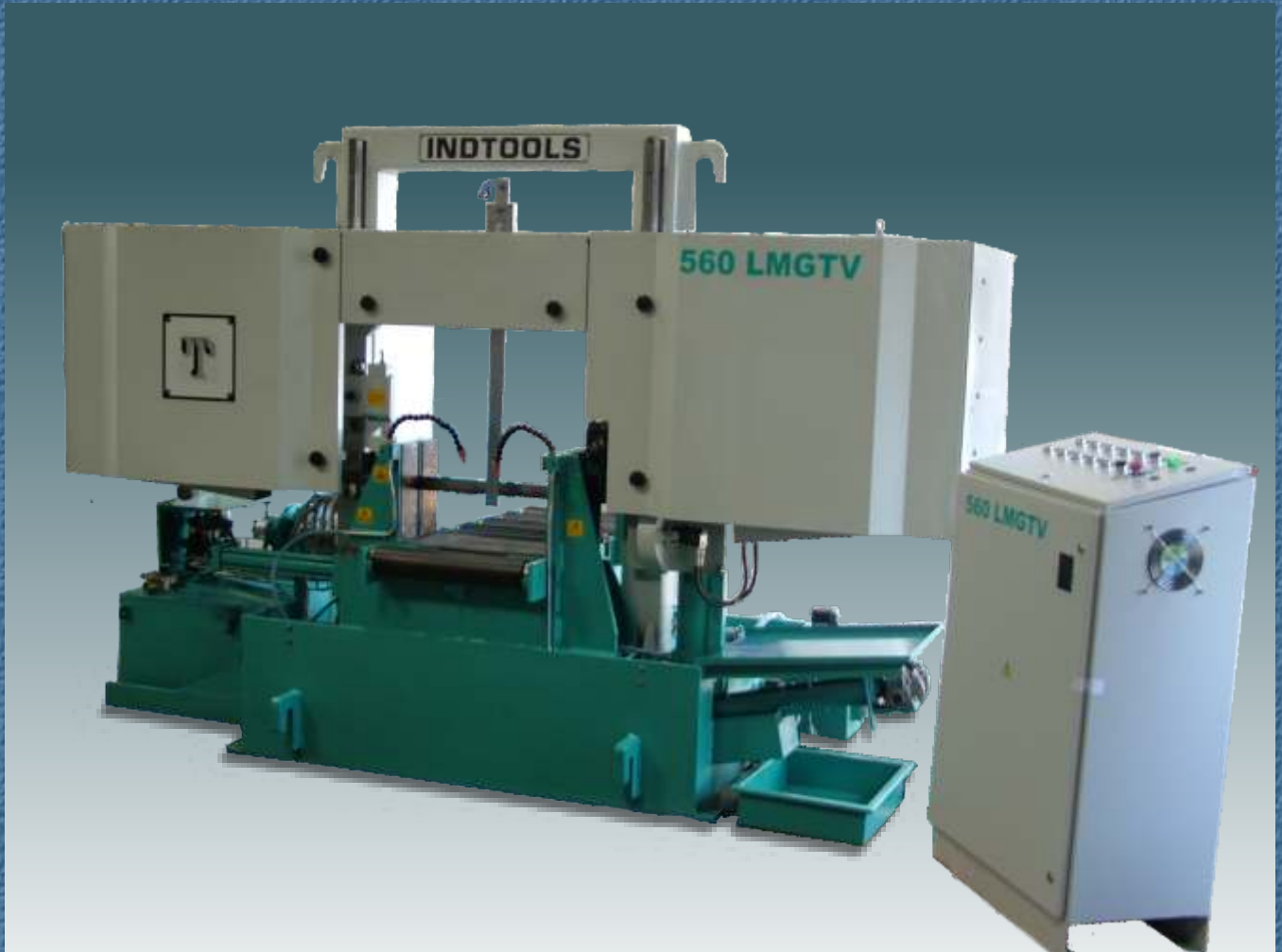


Technology with Time...



ITL Industries Ltd.

High Production Metal Cutting Machines

ITL - Pioneer & Trendsetter for last 25 years in metal cutting in India, has Designed & Developed - State of the Art features to make metal cutting faster at reduced per cut cost. ITL has led the way in introducing highly advanced "LMG Bandsaw Series" (200, 280, 350, 450, 560, 660, 860, 1020, 1260, 1520, 1760, 2020mm Solid Bar Cutting capacities) while achieving high accuracy in metal cutting.



Special Features

- Anti Friction LMG* bearings for smooth movements of cutting head
 - Hydraulic Automatic feed regulation* to adjust feed without operator involvement depending upon material composition, hardness and cross - section
 - Carbide face blade guides precisely manufactured and mounted carbide with anti friction bearings with does not require frequent alignment as blade verticality is maintained while manufacturing of the machine.
 - Floating shuttle vice mounted on four Heavy duty linear bearing block for self alignment
- depending upon work piece straightness or surface roughness. Bar stock slides on main vice without any resistance as shuttle vice adjusts automatically
 - Wider shuttle vice helps proper gripping of bar stock while indexing.
 - High pressure coolant jets are provided for high cutting rates. A compact and beautifully designed steel enclosure is provided to prevent coolant splashing and spillage, thus saving the wastage of cutting oil.
 - Blade cost much lower as compared to other make of similar capacity machines.

**Patent applied.*

Construction Detail

- Fully heavy duty steel welded structure - torsion free construction
- Cutting head guided in to vertical high precision clearance free Motion Guide Bearing
- Infinitely variable pressure controlled cutting feed & upward return rapid movement by hydraulic cylinder
- Auto height stop on return stroke of cutting head
- Moving blade guides Rigid construction, leads screw operated with hand wheel, parallel to blade line.
- Built in coolant tank powered with High Flow Coolant Motor
- Tungsten Carbide face guides with ball bearings
- Hydraulic operated rotating cleaning wire brush.
- Hydraulically operated main vice & shuttle vice
- Automatic machine stop if blade breaks
- Seperate hydraulic tank.

Standard Features

- Auto cycle sequencing with PLC
- Automatic height adjustment for Saw Frame depending upon cut piece height to provide safe clearance between cut pieces & blade through PLC. Rapid approach of cutting arm upto the cut surface to enhance productivity
- Coolant pump motor and flow nozzle with control
- Piece counter & length multiplier through PLC
- Infinitely variable blade speed from control panel through variable frequency drive for optimum productivity & tool life
- Floating Shuttle Vice for forged & uneven surface bars
- Electrically driven Swarf Conveyor with Container
- Hydraulic Band Tensioning Arrangement with continuous stretching of blade during cutting for Taper Free Cuts
- Infinitely variable Feed Control Valve
- Length setting arrangement with 0.1 mm least count through Digital Indicator(electronic magnetics scale)
- Hydraulic vices & shuttle system for automatic clamping through full stroke Double Acting Hydraulic Cylinders
- Hydraulic wire brush for blade gullet cleaning
- Machine Lamp
- Hand operated lubrication system for main columns bearings
- Electrical control panel with push button, emergency stop button, main isolator, PLC, VFD, step down transformer, auxiliary contractor, cable connector and connector with fuses for solenoid coil to protect PLC.



Specification of Jumbo Size LMGA Machines

Model	LMGA 560	LMGA 660	LMGA 860	LMGA 1020	LMGA 1260	LMGA 1520	LMGA 1760	LMGA 2020		
Cutting Capacity	Round	- In mm	560	660	860	1020	1260	1520	1760	2020
		- In Inch	22"	25"	33"	40"	49"	59"	69"	79"
Square	- In mm	560	660	860	1020	1260	1520	1760	2020	
	- In Inch	22"	25"	33"	40"	49"	59"	69"	79"	
Cutting Speed	- Mtr./Min.	20-100	20-100	20-100	20-100	20-100	20-100	20-100	20-100	
	- Ft./Min.	65-328	65-328	65-328	65-328	65-328	65-328	65-328	65-328	
Blade Size	- mm	7700 x 54 x 1.6	8000 x 67 x 1.6	8800 x 67 x 1.6	11000 x 67 x 1.6	11000 x 67 x 1.6	11800 x 67 x 1.6	12300 x 80 x 1.6	13000 x 80 x 1.6	
	Saw Motor Capacity	- K.W.	9.4	11	15	15	18.6	18.6	22	30
	- H.P.	12.5	15	20	20	25	25	30	40	
Hydraulic Reservoir	- Ltr.	180	180	180	180	180	180	180	180	
	- Gallon	47	47	47	47	47	47	47	47	
Collant Motor Capacity	- K.W.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
	- H.P.	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	
Collant Reservoir	- Ltr.	140	140	140	140	140	140	140	140	
	- H.P.	37	37	37	37	37	37	37	37	
Hyd. Motor Capacity	- K.W.	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
	- H.P.	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Appx. Wt.(Kg.)	LMGA-5700	LMGA-6400	LMGA-7600	LMGA-8750	LMGA-9800	LMGA-11100	LMGA-13000	LMGA-14500		
	LMG TV-5300	LMG TV-6050	LMG TV-7100	LMG TV-8250	LMG TV-9300	LMG TV-10500	LMG TV-12100	LMG TV-13400		
Overall Dimensions	3800 x 3200 x 2400	3950 x 3200 x 2650	4500 x 3200 x 3200	5250 x 3200 x 3200	4800 x 3200 x 4000	5300 x 3200 x 4500	6000 x 3200 x 5100	6960 x 3200 x 5300		
	Stroke in MM without Bundle Attachment	600 mm	600 mm	600 mm	600 mm	600 mm	600 mm	600 mm		

The above specifications & designs are subject to change without prior notice. Optional accessories shown in machine Photographs are at extra cost.

High Production Metal Cutting Machines

ITL has upgraded its Metal Cutting Band Saw Machines from the first generation to fourth generation CNC Double Column Bandsaw Machines. Apart from making standard bandsaw machines with a minimum cutting capacity of 25mm to 2000mm, ITL has indigenously made Special Purpose Sawing Machines for various applications like Runner Riser cutting Engine Block Cutting, Cylinder neck & end cutting machine, pipe sizing machines etc.

Having successfully met customers' requirements, ITL has made its entry into projects execution by providing complete turn-key solutions and material handling systems to medium and large scale industries like M/s. BHEL, M/s. Wheel & Axle Plant (Bangalore), M/s. Durgapur Steel Plant, M/s. Balco, M/s. HAL etc. just to name a few, for their typical high productive cutting applications.



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