

*Right choice  
to cut right angle*



LX-650 DC



LX-450 DCA

**MAXMEN**

BANDSAW MACHINES

An ISO 9001 : 2008 Certified Company



## Fully Automatic Hydraulic Double Column Horizontal Bandsaw Machine

Horizontal Double Column Hydraulic Bandsaw machines are Very rigid, sturdy & torsion free in construction.

**SAW HEAD :** Saw head unit is supported by two rigid hard-chrome plated & ground vertical columns, which are guided by INA/GGB make PTFE self lubricated Bushes. The blade is guided by Bearings & Carbide wear pads. The blade can be tightened and released Hydraulically. The blade is hydraulically tightened up to recommended tensile strength of the saw blade. The saw is driven by sufficient drive power to cut the material.

**AUTO WORK HEIGHT CONTROL :** The quick approach of the arm eliminates the need for the operator to manually adjust the blade height to accommodate different sizes of the material. The blade will approach the material rapidly until the arm make contact, when the saw starts cutting.

**BLADE GUIDES :** The Guide ensure accurate cutting & long blade life. They are factory set. It consists of spring loaded, self- adjusting carbide-faced inserts. Adjustment screws are provided to allow easy blade changing. The blade is guided by Roller bearing & Carbide wear pads.

**CUTTING FEED :** Saw head "up & down" motion is controlled by hydraulic cylinder and regulated by a pressure compensated Flow control Valve.

**JOB CLAMPING :** The jaws of the front & Rear vices are in one straight line and perpendicular to the Blade. The Movement of jaws of both the vices are controlled by hydraulic cylinder & Valves.

**SPLIT FRONT VICE :** This unique vice design permits the workpiece to be automatically indexed to a Reduce remnant of 50mm only. The vice securely clamps the workpiece on both side of the cut thus minimizing drop-off burrs. This design is most suitable for nesting or bundle cutting and is ideal for cutting short length pieces.

**AUTO LENGTH INDEXING & LENGTH COUNTER :** The Automatic feeding of job is also done by indexing. The feed length can set by means of Screw & Digital counter assembly with length accuracy of +/- 0.2mm. The handwheel is provided to set the cutting length up to 300/400 mm which can be read on digital counter in increment of 0.1 mm. The multiple stroke makes it possible to multiply the number of index cycles when pieces longer than 400 mm are required. (Available in DCA Automatic models.)

**BUNDLE CLAMPING :** It consists of hydraulically operated vertical clamps which are mounted on the rear and the front vices. This makes it possible to cut multiple pieces at a time.

**POWER DRIVEN BLADE CLEANING BRUSH :** The power driven Brush keeps the blade teeth free from chips for smoother cuttings and increase the Performance/Life of the blade

### STANDARD ACCESSORIES FOR DC/DCA MODELS

- HYDRAULIC BLADE TENSION
- HYDRAULIC SPLIT FRONT VICE WITH FULL STROKE CLAMPING
- VARIABLE HYDRAULIC CUTTING FEED CONTROLLER
- SAW FRAME AUTO HEIGHT ADJUSTMENT
- ROLLER BEARINGS WITH CARBIDE TIPPED BLADE GUIDE
- COMPLETE HYDRAULIC SYSTEM
- COMPLETE ELECTRICAL SYSTEM
- COMPLETE COOLANT SYSTEM
- POWER DRIVEN CHIP REMOVAL WIRE BRUSH
- AND BREAKAGE SHUT OFF
- STEP PULLEY WITH V BELT
- MACHINE INSTRUCTION MANUAL
- 1 NO.BIMETAL BANDSAW BLADE

### ADDITIONAL ACCESSORIES FOR DCA MODELS :

- PLC BASED ELECTRIC PANEL BOARD
- HYDRAULIC SHUTTLE VICE WITH 1.5MT ROLLER TABLE
- MULTIPLE INDEXING WITH 300/400 mm SINGLE STROKE
- DIGITAL PIECE COUNTER WITH AUTO SHUT OFF
- PRECISE LENGTH COUNTER WITH 0.2 mm ACCURACY

### OPTIONAL ACCESSORIES :

- DIGITAL BAND SPEED INDICATOR WITH BLADE STALLING
- VARIABLE SPEED DRIVE ( ELECTRONIC )
- AUTOMATIC CHIP CONVEYOR
- HYDRAULIC BUNDLE CLAMPING ATTACHMENT
- VARIABLE VICE PRESSURE
- MOTORISED / HAND OPERATED LUBRICATION SYSTEM
- JOB ROLLER STAND - MANUAL / MOTORISED
- FLOATING SHUTTLE VICE FOR UNEVEN & FORGED BARS
- TOOL KIT & SPANNERS
- BAR STOCK TABLE
- JOB INDEXING TABLE 400 / 600 / 900 mm
- DIGITAL FEED RATE METER
- BLADE TENSION METER
- ELECTRO-STATIC OIL FILTERING UNIT
- MAKE OF MOTOR, PUMP AND PLC ARE CUSTOMIZED

### SPECIFICATIONS (DC & DCA MODELS)

MODEL	LX-210	LX-300	LX-450	LX-530	LX-650	LX-800	LX-1000	LX-1500	
Cutting Capacity									
Round mm	210	300	450	530	650	800	1000	1500	
Square mm	210 x 210	300 x 300	450 x 450	530 x 530	650 x 650	800 x 800	1000 x 1000	1500 x 1500	
Cutting Speed Mt / min	20-80	20-80	20-80	15-75	15-75	15-75	15-75	15-75	
Blade Size mm	3760 X 27 X 0.9	4570 x 34x 1.1	5450 x 41 x 1.3	6900 x 54 x 1.3	8800 x 67 x 1.6	8800 x 67 x 1.6	12300 x 80 x 1.6	13900 x 80 x 1.6	
Saw Motor Capacity	3 Hp	5 Hp	7.5 Hp	10 Hp	15 Hp	20 Hp	25 Hp	30 Hp	
Hyd Motor Capacity	1 Hp	1.5 Hp	1.5 Hp	2 Hp	2 Hp	3 Hp	3 Hp	3 Hp	
Hyd Reservoir Ltr.	60	80	100	100	120	120	120	120	
Coolant Motor Capacity	0.15 Hp	0.15 Hp	0.15 Hp	0.25 Hp	0.25 Hp	0.25 Hp	0.25 Hp	0.25 Hp	
Coolant Reservoir Ltr.	60	60	80	100	100	100	100	100	
Approx Nett Weight Kg	1500	2500	3000	3500	5000	7500	10000	12000	
Overall Dimension (In mm)	Length	1800	2610	3045	3600	4000	4095	6000	7000
	Width	815	1150	1150	1780	1780	1804	2500	2600
	Height	1270	1632	1632	2320	2450	2930	3500	3600
Cutting Taper Accuracy For En-8 - 100mm Dia,	± 0.1 mm	± 0.1 mm	± 0.1 mm	± 0.1 mm	± 0.1 mm	± 0.1 mm	± 0.1 mm	± 0.1 mm	
Cutting Length Accuracy	± 0.2 mm	± 0.2 mm	± 0.2 mm	± 0.2 mm	± 0.2 mm	± 0.2 mm	± 0.2 mm	± 0.2 mm	

Note: ♦ For optimum performance of the Bandsaw Machine, Bandsaw Blade Should be selected as per the geometry and grade of the material, Please consult Blade Manufacturer or refer our instruction manual, ♦ In view of continuous development, We reserve the right to change the design and f or dimensions without notice.

Manufacturer

### LALITA MACHINE TOOLS

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