



# ENGINEERED PRESSING SOLUTIONS

Reliable Quality | Strong Performance



# COMPANY PROFILE

“Ambica” is a dynamic company that was founded in 1982 and has since become one of the market leaders in the field of Hydraulic Presses. The company designs & manufactures specialized equipments for Laminate, Rubber & Wood working industries. Its emphasis on the technological versatility & production skill has earned the confidence and continuing support of its customers. The company's technical & commercial service is at your disposal to suggest the most suitable solution for every specific requirement.

## INFRASTRUCTURE

The complete ranges of its machines are designed with 3D CAD system & with a considerable level of standardization. Complete in-house design capability plus the latest machine shop & fabrication facilities has been kept in the forefront. Ambica is the company to call on when outstanding product equipment is required to meet the most exacting output standards. Ambica has dedicated personnel, along with the technical knowledge & expertise to produce quality products that meet the criteria of every customer. Strict quality control throughout all the phases of manufacturing ensures that the company delivers precision equipment. Ambica markets its press systems worldwide & offers consulting & set up services.



## SALIENT FEATURES

**The Main Frame** of the Hydraulic Press is fabricated from High Grades. The welding is done on High quality welding machines utilizing Low Hydrogen welding rod or MIG wire of reputed make. All the other components are machined as per required accuracies.

**The Heater Platens** are manufactured from ultrasonic tested High Grade steel platens of reputed make like AM/NS (ESSAR), SAIL etc. The drilling of the Heater Platen is carried out by Deep Hole Drilling Machine in a single pass. Multiple Inlet and Outlet as per required specification are provided to attain consistent temperature. The Surface is provided with Plano miller Finish or Grinding Finish, with maximum parallelism tolerance of 0.01mm/meter.

**The Hydraulic Cylinders manufactured** are of high quality steel with proper honing accuracies. These cylinders are designed with a high level of safety factors and tested up to 1.25 times their normal working pressures. The pistons used are of high quality steel and the chrome plating ensures high resistance to wear and tear of seals. The seals used are as per proper standards of reputed make required for the Hydraulic Cylinders like Trelleborg, Merkel, Max, VAKO, Etc.

# HYDRAULIC PRESSES FOR DECORATIVE INDUSTRIAL HIGH PRESSURE LAMINATE SHEETS



**18 D/L**



**16 D/L**

CAPACITY (TONS)	PRODUCT SIZE	PLATEN SIZE (MM)	SPECIFIC PRESSURE
2000	7' X 3'	1050 X 2290	100 Kg/cm <sup>2</sup>
3000	8' X 4'	1350 X 2600	100 Kg/cm <sup>2</sup>
3700	9 1/4' X 4 1/4'	1425 X 2950	100 Kg/cm <sup>2</sup>
5000	10' X 5'	3200 X 1650	100 Kg/cm <sup>2</sup>
8000	14' X 6'	2000 X 4500	100 Kg/cm <sup>2</sup>



**HPL LINE**

# HYDRAULIC PRESSES FOR PLYWOOD BLOCK BOARD - FLUSH DOOR



CAPACITY (TONS)	PRODUCT SIZE	PLATEN SIZE (MM)	SPECIFIC PRESSURE
640	8' X 4'	2590 X 1350	20 Kg/cm <sup>2</sup>
800	8' x 4'	2590 x 1350	25 Kg/cm <sup>2</sup>
800	10' x 4'	3200 x 1350	20 Kg/cm <sup>2</sup>
1000	8' x 4'	2590 x 1350	30 Kg/cm <sup>2</sup>
1200	10' x 4'	3200 x 1350	30 Kg/cm <sup>2</sup>

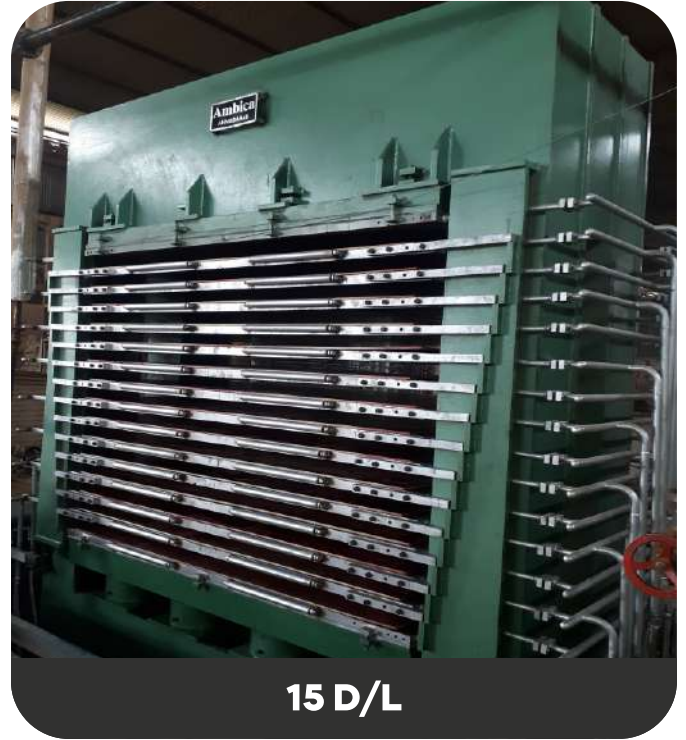
## OVER LAYING PRESS



## PRE PRESS



# HYDRAULIC PRESSES FOR DENSIFIED ENGINEERED WOOD - LVL



**15 D/L**

CAPACITY (TONS)	PRODUCT SIZE	PLATEN SIZE (MM)	SPECIFIC PRESSURE
1250	8' X 4'	2600 X 1450	40 Kg/cm <sup>2</sup>
1600	8' x 4'	2600 X 1450	50 Kg/cm <sup>2</sup>
2250	8' x 4'	2600 X 1450	70 Kg/cm <sup>2</sup>
2400	8' x 6'	2600 X 2000	50 Kg/cm <sup>2</sup>
3000	8' x 4'	2600 X 1450	100 Kg/cm <sup>2</sup>



**DENSIFIED PLYWOOD LINE**

# SHORT CYCLE LAMINATION LINES

## SPECIAL FEATURES

- Window Frame / Welded Body Construction
- Rigid construction
- Designed for repeated cycles
- Ease of operation
- All hydraulic and electrical components of International standards
- Push Button / PLC Based Controls



PRODUCT (MM)	CAPACITY (TONS)	PLATEN (MM)	SPECIFIC PRESSURE	MECHANICAL CYCLE TIME
1220 x 2440	1200	1400 x 2600	40 KG/CM2	40-45 SEC
1220 x 2440	1400	1400 x 2600	47.1 KG/CM2	40-45 SEC
1220 x 2440	1600	1400 x 2600	53.7 KG/CM2	40-45 SEC
1830 x 2745	1600	1950 x 2950	32 KG/CM2	40-45 SEC

# HYDRAULIC PRESSES FOR RUBBER SHEETS & CONVEYOR BELT





## HYDRAULIC PRESSING SYSTEMS FOR

- Decorative - Industrial Laminates
- Short Cycle Lamination Line
- Plywood - Block Board - Flush Door
- Lab Press
- Rubber Mat / Cow Mat Press
- Densified Plywood
- Particle Board - Mdf
- Pre-Press
- Cold Press
- Conveyor Belts
- Bamboo Mat Ply & Roof Sheet
- Endless Rubber Blanket
- Leather Embossing
- Special Purpose Press
- Simultaneous Closing Press



ENGINEERED PRESSING SOLUTIONS

### **Press Division**

Unit 1 - 3129, Phase 3, GIDC, Chhatral - 382729. Dist: Gandhinagar, Gujarat.

Unit 2 - 3027, Phase 3, GIDC, Chhatral - 382729. Dist: Gandhinagar, Gujarat.

### **Material Handling System Division**

Unit 3 - 3040-41, Phase 3, GIDC, Chhatral - 382729. Dist: Gandhinagar, Gujarat.

### **Paper impregnation Dryer Division**

Unit 4 - 82, Ashwika 3, Opp Arvind Mega Park, Vasna - Chancharwadi Road,  
Tal: Sanand, Ahmedabad - 382210, Gujarat.

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