

## Company Introduction

Incepted in year 1985 with a strong practical experience of the founder after technical education Flu-tech is grown up to a leading manufacturer of Hydraulic Compression Moulding Presses for variety of applications.

Flu-tech has earned reputed name in the field of hydraulic presses for its innovative designs, superior quality in design, raw materials and performance. The vast experience of the founder with Foreign collaboration company has resulted in at par technology and quality with any MNC.

The available range in terms of tonnage is from 10 Tonnes to 1000 Tonnes and available in single, double or triple stations. The presses are custom built to suit the client requirement and generally available to process:

- Rubber
- Bakelite
- UHMWPE

Various control options like manual, PLC or Relay control, Proportional and Servo Hydraulics are available.



### Triple station with hot and cold stations for UHMWPE pickers & other Parts

- Triple station compression moulding hydraulic press for UHMWPE powder.
- Hot and cold presses on single platform.
- Economic due to common hydraulic pump motor and electric panel.
- Better utilisation of labour.
- Range 15 t to 300 t
- Custom built option
- Down stroking.
- Hydraulic core pullers for making provision of hollow and inserts.
- PLC controlled automatic cycle of each station.
- Manual transfer of semi cured articles from hot to cold station.
- Insulated mould platens to prevent undue heat transfers
- One piece design for easy installation and lesser floor space requirement.
- Single speed operation as standard. optional fast and slow speeds.
- Automatic de-gassing for better product quality

- PID temp. controllers for each station with two zones per station with thermocouple sensors.
- World class hydraulic and electric components.
- World class hydraulic seals for cylinders.
- Proportional pressure control valves for tonnage setting.
- After achieving clamping, tonnage maintained by holding valves.
- Automatic loading and unloading of pump and motor to maintain clamping tonnage.
- Curing timer alarms operator regarding auto opening of the mould
- Controlled parallelism between two platens for flash free moulding.
- Facility to control cooling rate in cold press. cooling rate displayed on PLC screen.
- Recipes storage for 10 moulds for ease in mould change and start up

### Optional devices

- Variable displacement pumps
- Hydraulic ejector
- Photo cell beam safety
- Servo driven pump
- Data logging and connectivity to printer
- Transfer moulding
- Crocodile press
- Multi day light operation
- Collapsible column design for endless products
- C-Frame design with multi daylight

## Single station, with / without hyd. Ejector

- Compression moulding hydraulic press for thermoset plastics, rubber
- Range 30t to 800t
- Custom built option
- Down stroking or upstroking option
- PLC control standard supply, optional contactor control.
- Servo driven hydraulic option available for energy saving and long life of pump & oil
- Silent operation
- Hydraulic or mechanical ejector
- Insulated mould platens to prevent undue heat transfers
- One piece design for easy installation and lesser floor space requirement.
- Fast approach & return and slow pressing speed for less cycle time.
- Automatic programmable de-gassing for better product quality
- PID temp. controllers
- World class hydraulic and electronic components.
- World class hydraulic seals for cylinders.
- Automatic unloading and loading of pump and electric motor to maintain clamping tonnage with selectable narrow range, saves energy and extends components life.
- controlled parallelism between two platens for flash free Moulding



## Double station compression moulding

- Double station compression moulding hydraulic press for thermoset plastics & rubber.
- Economic due to common hydraulic pump motor and electric panel.
- Better utilization of labour.
- Range 10t to 300t
- Custom built option
- Down stroking or up stroking option
- Manual hand valve operation standard, optional auto control.
- Hydraulic or mechanical ejector as option
- Insulated mould platens to prevent undue heat transfers
- One piece design for easy installation and lesser floor space requirement.
- Single speed operation as standard. optional fast and slow speeds.
- Manual de-gassing for better product quality
- PID temp. controllers for each station with two zones per station with Thermocouple sensors.
- World class hydraulic and electric components
- World class hydraulic seals for cylinders.
- Pump and electric motor stops upon releasing down push button after achieving clamping tonnage. Tonnage maintained by holding valves.
- When pressure drops due to process, operator can restore the pressure just by pressing push button.
- Curing timer alarms operator to open the mould manually by valve thus repeatability in curing time and hence quality of product.
- Controlled parallelism between two platens for flash free moulding.
- Manual press comparable to quality parameters like automatic press.



Manufactured by :



TM

Plot No. 3212, Ph-IV, GIDC Estate, Vatva,  
Ahmedabad-382 445, Gujarat, India.  
Ph : +91 79 40084050 / 51, 65435857  
Mob : +91 98253 18474,+91 9909086060  
E-Mail : flutech@yahoo.com ,flutechindia@gmail.com,  
sales@flutechindia.com

**Our Chennai Office :**

No.5, 3rd Floor, Bharanee Venkatesh,  
Plot No. AE-108, 10th Main Road,  
Annanagar, Chennai-600 040  
Ph: 044- 2626 4443, 40084050, Mob: 09940041317, 09840171317  
atlazmarketing@hotmail.com, atlazmarketing@yahoo.com

**Our UAE Office:**

Noble Building Tools and Hardware Trd.  
Tel:+971-6-7494752  
Fax:+971-6-7494751  
Email:noble.trdg@gmail.com  
Cell: +971-50-8995572



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Technology, Innovation and  
Customer satisfaction - Our Promises

**COMPRESSION MOULDING  
HYDRAULIC PRESS**



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