

“ THE PERFECT **MACHINES** FOR
YOUR PRECIOUS WORK ”



INCREDIBLE
MACHINES

www.incrediblemachines.in



“OUR CLIENTS ARE OUR STRENGTH”

“**QUALITY** WILL ALWAYS PROSPER,
WHERE **CREATIVITY** AND
EXPERIENCE ARE **PERFECT MATCH**”

Bespoke advancement, customized to our client necessities, assume a definitive part of the steady stream of developments at **INCREDIBLE MACHINES**.

The broad scope of indigenous machines, product and advancement offer and ideal mix of present day innovation and cost-intensity and take into account an assortment of metal shaping and unified applications.

Each new test broadened our knowledge of how continuously and prompted our brilliant group of exceeding talent pro creating one kind of manufacturing strategy, which today empower us to produce Hydraulic Press at the most relevant amount.

Today, **INCREDIBLE MACHINES** develop & manufacture Heavy Duty Hydraulic Press for several Applications with specific design series and we make sure that our minimum quality standards apply in our unique method of manufacturing. Our experience in metal forming applications is diverse & encompassing. We serve machines in wide range of industries from **Automotive, Railway, Aerospace, Ship-Building, Electrical and Electronics, General Engineering to Home Appliances**.

60,000 sq. ft ASSEMBLY AREA

DIGITAL HYDRAULIC PRESS

JAPANESE 5 AXIS VMC MACHINE

MAKE IN INDIA

SHOT BLASTING

FLOOR BORING MACHINE

HMC MACHINE

LEAN MANUFACTURING

CNC PLASMA CUTTING MACHINE

24 X 7 SALES AND SERVICE SUPPORT

SHORT DELIVERY TIME



PRODUCT RANGE :-

1. SMC/DMC/FRP MOLDING PRESS:

- Single station or multi-station presses in ring frame, pillar and column constructions.
- Up stroking or Down stroking configurations.
- Powered by high-performance hydraulic systems with conventional, proportional and servo controls.
- Moulding Press provided with thermo-symmetrical 8-point guiding system arrangement.
- Digital PLC and HMI Interface for total Monitoring and programming of all process parameters.



2. DEEP DRAWING PRESS:

- Available in single, double or triple action presses with C-Frame, H-Frame, 4-Pillar, Ring Frame, Straight-sided, 4-Column construction.
- Accurate, Lubricated slide guiding arrangements and Pre-stretched tie-rod arrangement in column presses.
- Various die cushion options like conventional, active, multi-point, etc. programmable to suit application.
- Powered by high-performance hydraulic systems with conventional, proportional and servo controls.
- Deep Drawing Press is user-friendly relay logic/PLC/HMI controls with advanced diagnostic capabilities for process optimization and sequence setting.



3. POWDER COMPACTING PRESS:

- CNC close loop control system customized for programmable force-speed-position profile.
- Automatic compensation of spring-back.
- All axis controlled with resolution up-to 3 micron.
- All movement of platen controlled by CNC controller.
- Pick and place part transfer unit.



PRODUCT RANGE :-

4. HOT FORGING PRESS:

- The press frame depending on press capacity and application like a rigid pre-stressed multi-part or compact one-piece design.
- Servo Hydraulic Direct Drive Option available for energy saving as well as smooth operation.
- Large slide stroke for long components provides an expanded range of possible products.
- Fully automatic work-piece manipulation.
- Efficient programmable control system with operator guidance, product data administration and modem for remote diagnostics.



5. COLD FORGING PRESS:

- Significant advantage of Material saving achieved through near net shape Forging.
- High Production rate and Long Die Life due to JIS Accuracies.
- Large slide stroke for long components provides an expanded range of possible products.
- Complete Automation from Billet loading, Vertical Tilting, Feeding & Collection in Multi-Station Application.
- Adjustable grippers to handle various profile components.



6. RUBBER MOULDING PRESS:

- Available in single, Double or Triple Platen presses in C-frame, H-frame, 4-pillar, Ring frame, Straight-sided, 4- column construction.
- Designed with adjusted module pressure compensation function.
- PLC and Human Machine Interface (HMI) is provided in Rubber Moulding Press with Closed Loop Digital Pressure and Stroking setting.
- PID temperature controller is provided.
- Hydraulic cylinder with high temperature seals.



INCREDIBLE FEATURES :-

SERVO DRIVEN POWER PACK:

- Servo driven power pack save up to 75% energy depending on different operating conditions. Servo driven technology offer a quick response rate, high accuracy and constant torque. Highly accurate repeatability results in accurate control over flow and pressure. Quick response rate up to



HMI OPERATED MACHINE:

- Human Machine Interface (HMI) is used in Hydraulic Press for controlling of pressure and stroke digitally. Data for each mould like pressure, stroke, holding time etc can be store in HMI and recall for specific mould when in application. Up to 200 programs can be store in HMI with their specific data.



DIGITAL PRESSURE CONTROL:

- Pressure can be controlled by PLC and HMI with the help of HMI memory. Digital Memory of HMI can store Pressure data for each mould. Pressure will be automatically set for specific mould after applying program. Digital Pressure is closed loop system.



DIGITAL STROKE ADJUSTMENT:

- Digital stroke adjustment can be controlled by PLC and HMI, with the help of Linear encoder and data can be stored permanently for each mould. Stroke can be recall from program which is already store in HMI for specific mould. Linear encoder is highly accurate.



INCREDIBLE FEATURES :-

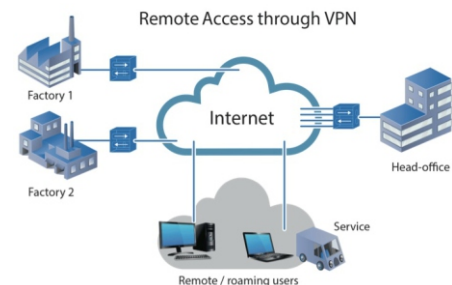
PRODUCTION REPORT :

- Production Report facility available. It can be store in HMI and Interfaced by Ethernet Port or wireless network. Production report get in form of hourly production, shift wise production report, tool wise production report or as per customer requirements. Production manager can easily monitor all production activity on their PC by use of Remote Access and Production Report.

Daily Production Report										
Your Company, Inc.										
100000 CUST001 Customer Center (Shift) (Date) (Time)										
SCHEDULE			PRODUCTION							
PRODUCTION NUMBER	CUSTOMER	PRODUCT	ORDER QTY	START	STOP	QUANTITY	PERCENT	REMARK	PRODUCT	STATUS
100000	Customer	10 source pins	10000	7:00	11:00	10000	100%		10000	100%
100000	Customer	10 source pins	10000	10:00	23:00	10000	100%		10000	100%
RELAYS										
RELAY			EXPLANATION							
FROM										
TO										
PREPARED BY			APPROVED BY							

REMOTE ACCESS:

- Digital Control Remote Access allows customers to obtain a real time status of press operation by logging in and reviewing data from their press via Ethernet connection and also receive status/alarm notifications. Remote Access allows viewing as well as modifying existing data like pressure, stroke, holding time etc. It allows manufacturers to respond immediately any problems with the manufacturing process, saving substantial time and cost.



INDUSTRY 4.0

- Industry 4.0 is concept of Digitalisation of Factory with help of digital machines. INCREDIBLE MACHINES have machines with INDUSTRY 4.0 Parameter like Digital Stroke Adjustment, Digital Pressure Adjustment, Remote Access, CNC controller based machines.



24x7 SALES AND SERVICE SUPPORT:

- We consider it our responsibility to ensure that the machines and products supplied by us are running efficiently and productively. INCREDIBLE MACHINES service team provide 24x7 service support to our customers.



OUR PRESENCE:



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