

GSTIN : 24AAECCR3013M1ZJ



Water Technology (Guj.) Pvt. Ltd

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HEAD OFFICE :
 Plot No. : 27, Survey No. 47, Jivraj Industrial Area,
 Nr. Falcon Pump, Vavdi, Gondal Road, Rajkot - 360004.
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Pet blow Molding Machine 4KVT

APPLICATION- PET BOTTLES FOR WATER, JUICE, AND SODA ETC.

OUTPUT RATE: 4000-4400 BOTTLES/HR

OUTPUT RATE MAY VARY DEPENDING ON BOTTLE CAPACITY & APPLICATION





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MACHINE		UNIT	ASBM -4C
OUTPUT RATE		Pcs/hr	4000/4400
MOULDING UNIT			
MOULD THICKNESS MAX.		Mm	165
MOULD LENGTH MAX.		Mm	350
VOLUME MAX		ML	1000
NECK SIZE MAXIMUM		Mm	30
NUMBER OF CAVITY			4
CAVITY CENTRE DISTANCE		Mm	100
STRETCHING STROKE (DOUBLE)		Mm	150+250
CLAMPING UNIT			
CLAMPING SYSTEM			MECHANICAL
CLAMPING FORCE		Ton	25
CYL. STROKE		Mm	50
ELECTRICAL			
NUMBER OF IR HEATERS			6x4=24
IR HEATER SPEC.			415v, 2 Kw
TOTAL MACHINE POWER		Kw	50
POWER WITH OTHER ACCESSORIES		Kw	165
MACHINE CONSUMPTION LOAD		Kw	65%
GENERALS			
MACHINE LENGTH		Mm	3350
MACHINE WIDTH		Mm	1850
MACHINE HEIGHT		mm	2000
MACHINE WEIGHT		Ton	7
1.AIR COMPRESSOR			
HIGH PRESSURE		Hp	35+35
HIGH PRESSURE CFM		Cfm	200
LOW PRESSURE		Hp	30+30
LOW PRESSURE CFM		Cfm	180
2.AIR DRYER			
HIGH PRESSURE		cfm	200
LOW PRESSURE		cfm	180
3.CHILLER		Tr	5
4.COOLING TOWER		Tr	50
6.HEAVY DUTY SWITCH (for machine only)		Amp	125

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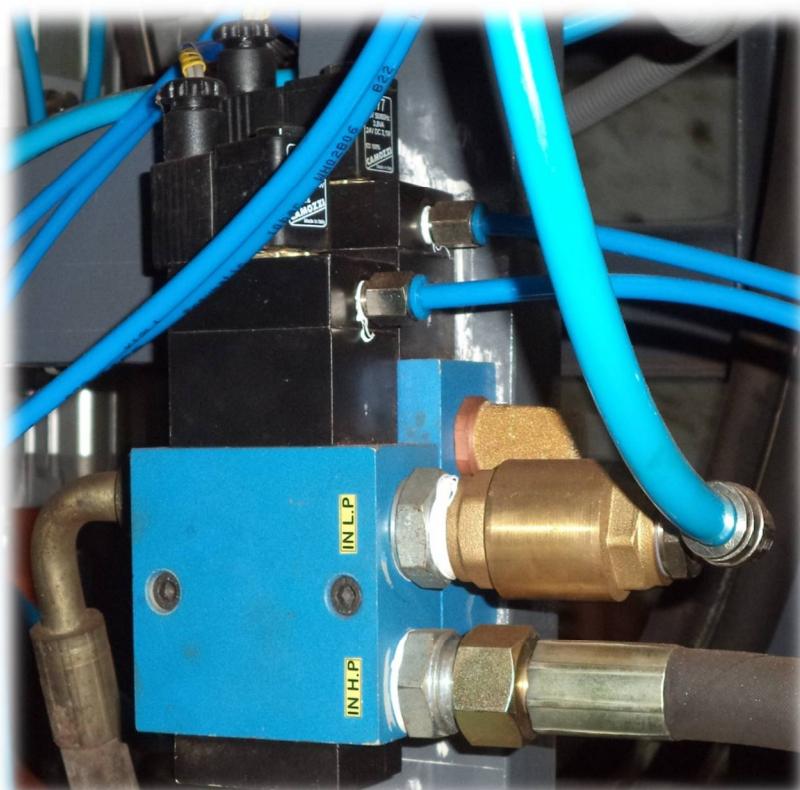
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TECHNICAL SPECIFICATION

SCOPE OF SUPPLY

- PET STRETCH BLOW MOLDING MACHINE
- ONLINE BOTTLE EJECTION UNIT
- PREFORM LOADER UNIT
- ELECTRIC CONTROL PANEL



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TECHNICAL SPECIFICATIONS & FEATURES OF EQUIPMENTS USED:

LOADER UNIT

MATERIAL USED:

- MILD STEEL BODY.
- MOTORS USED FOR LOADING, ROLLING & PREFORM DISTIBUTING PURPOSE.

FEATURES:

- COMPACT, ROBUST, FAST OPERATION
- AT A TIME 4 PREFORMS LOADING.



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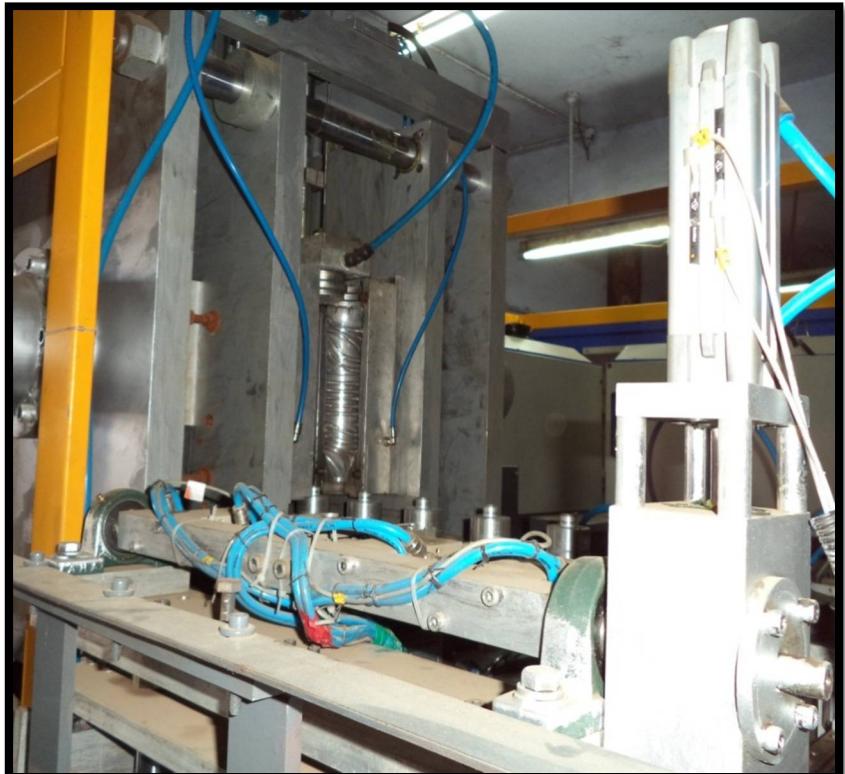
UNIQUE ONLINE BOTTLE EJECTION

MATERIAL USED:

- PNEUMATIC CYLINDERS-
MAKE: CAMOZZI (ITALY)/FESTO (GERMAN)
- GRIPPERS FOR HOLDING BOTTLES

FEATURES:

- BOTTLE EJECTION AS SUITABLE FOR BOTTLE FILLING UNIT
- FAST OPERATION



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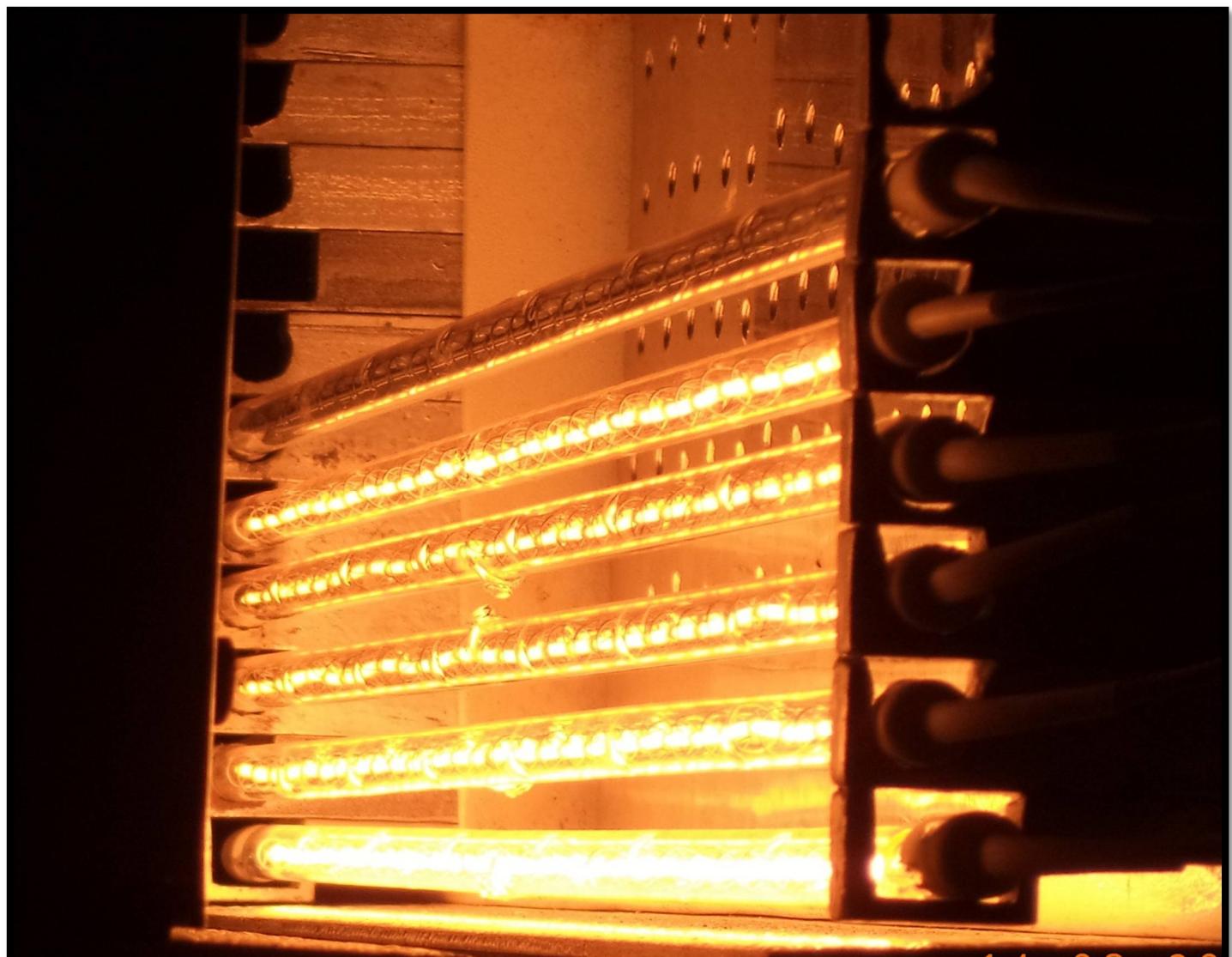
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INFRARED HEATING SYSTEM

FEATURES:

- IR HEATING SYSTEM EMPLOYS IR TUBES COMBINED WITH PREFORM ROTATION DRIVEN BY MOTOR DESIGNED FOR HEATING UNIFORMITY ON PET PREFORMS
- LESS LOSS OF HEAT
- TEMPERATURE CONTROLLER FOR MAINTAINING HEAT IN HEATER ZONES.



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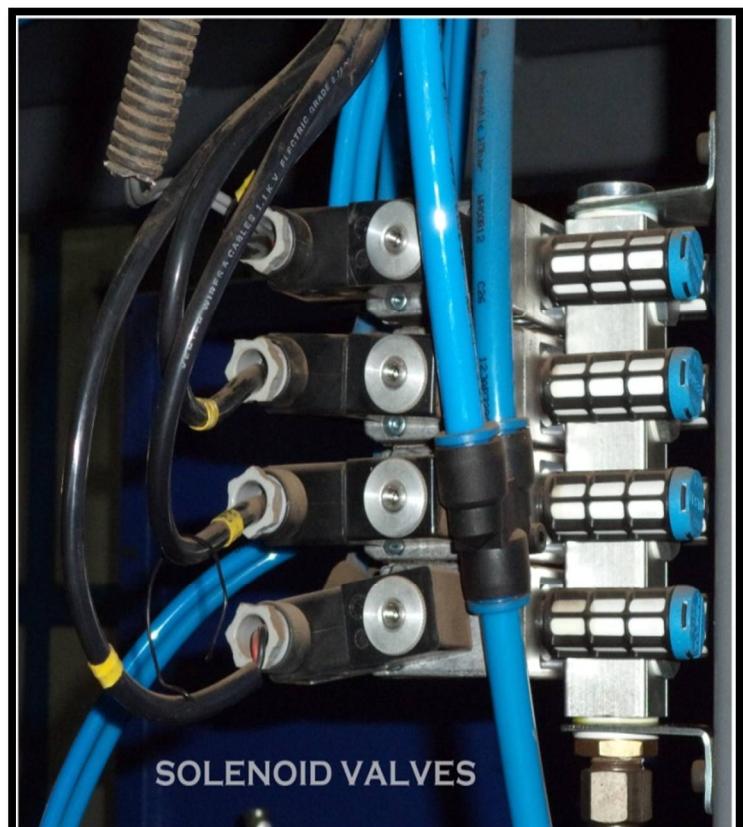
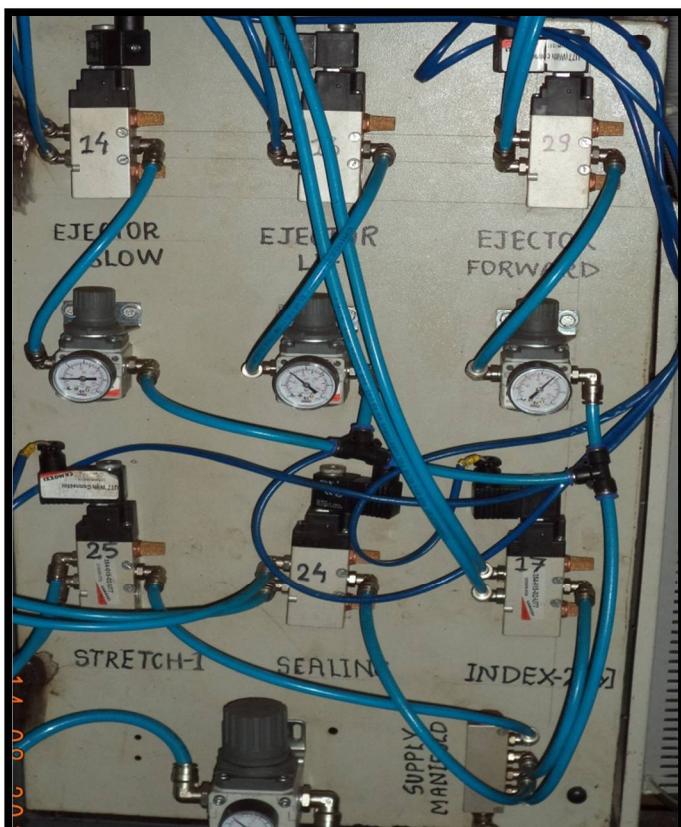
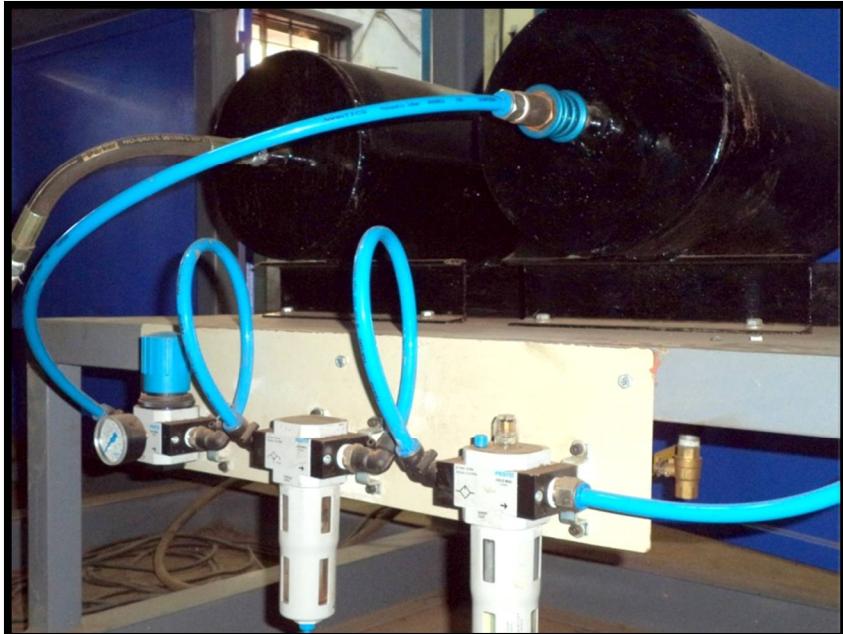
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PNEUMATIC SYSTEM

- ITALY (CAMOZZI) & GERMAN (FESTO) PRODUCTS ARE USED IN PNEUMATIC SYSTEM SOLENOID VALVES, DOUBLE ACTING MAGNETIC CYLINDERS ETC.





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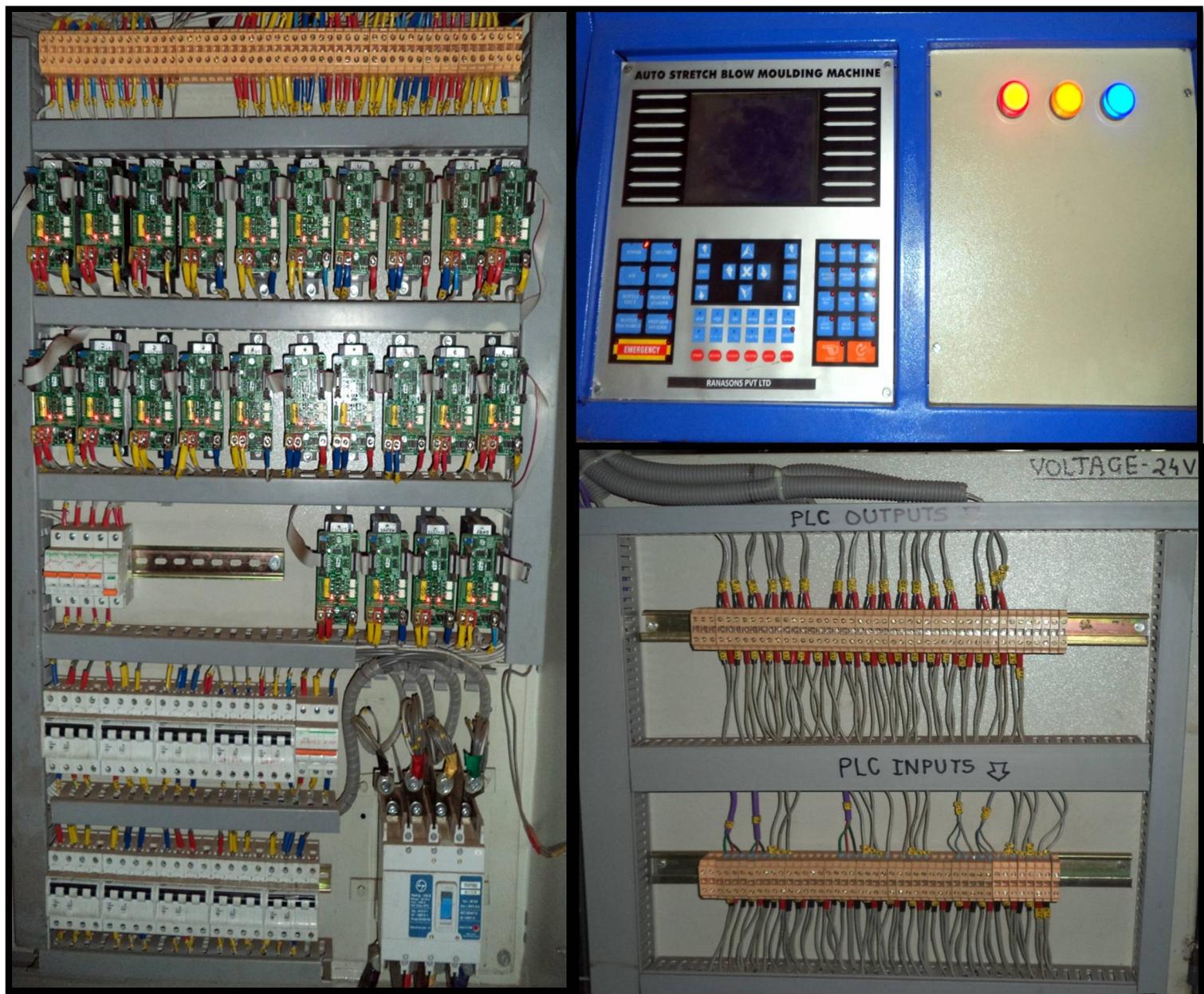
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ELECTRICAL CONTROL PANEL

FEATURES:

- PLC CONTROL PANEL WITH DISPLAY FOR CONTROLLING THE MACHINE
- BUTTONS ARE PROVIDED FOR THE MANUAL CHECKING OF THE VARIOUS OPERATIONS.
- R Y B INDICATORS FOR ELECTRIC SUPPLY PHASE INDICATION.
- STANDARD ARRANGEMENT OF COMPONENTS IN CONTROL PANEL



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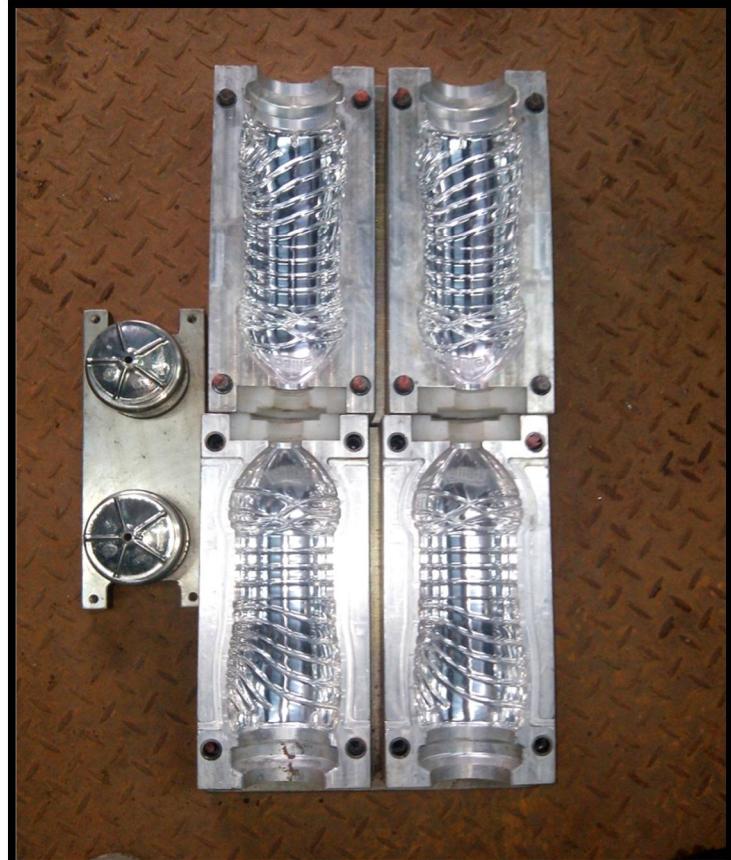
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MOULD SECTION

FEATURES:

- FAST OPENING AND CLOSING OF THE MOULD
- HYDRAULIC SYSTEM FOR OPENING AND CLOSING OF MOULD.
- CHILLER CONNECTION FOR MOULD COOLING WHICH GIVES BETTER QUALITY OF BOTTLES
- HIGH QUALITY ALUMINIUM MOULD WITH UNIQUE POLYMER NECK.



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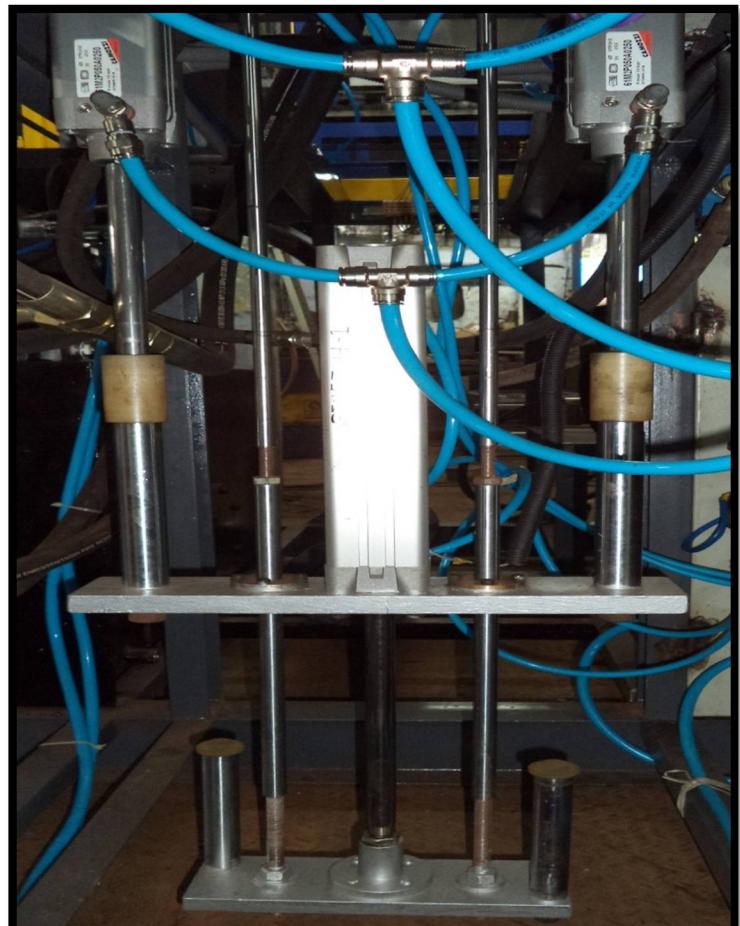
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ADDITIONAL FEATURES

- 1) **SINGLE ROW LINEAR CONVEYOR INDEXING**
PROVIDED FOR FAST OPERATION
- **MATERIAL USED:**
PNUMATIC CYLINDERS
CAMOZZI (ITALY)/FESTO (GERMAN)



- 2) **DOUBLE STRETCHING UNIT**
- MATERIAL USED:**
- PNEUMATIC CYLINDERS
CAMOZZI (ITALY)/FESTO (GERMAN)
- FEATURES:**
- DESIGN FOR FAST OPERATION WITH
- BETTER QUALITY BOTTLE OUTPUT



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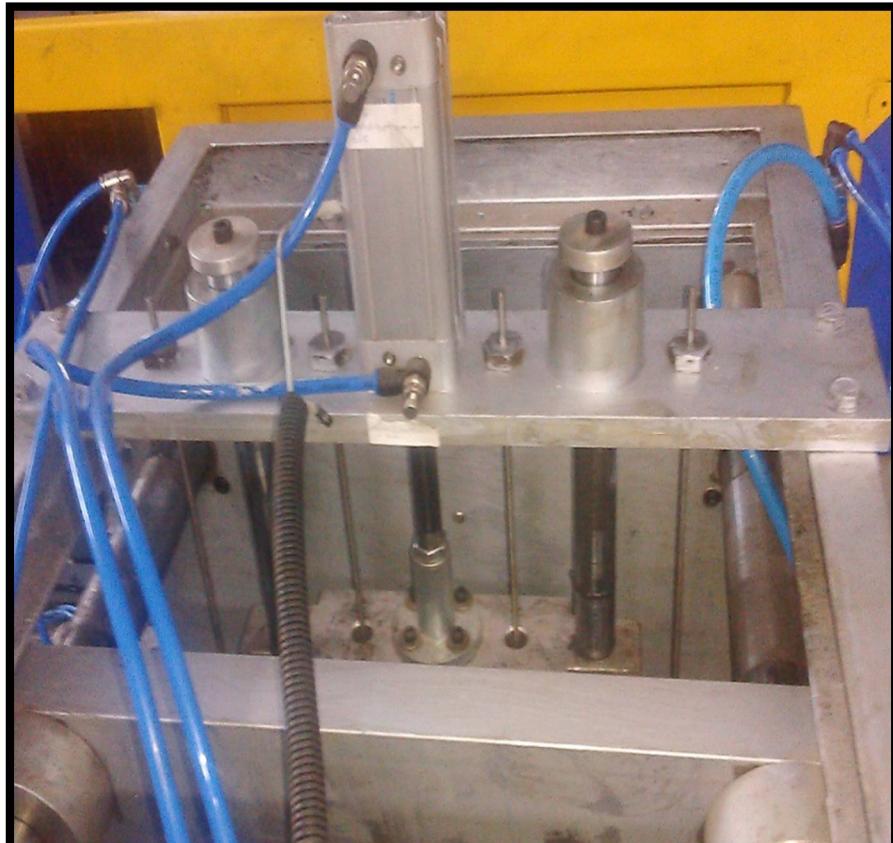
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3) MOULD BOTTOM UNIT

- IS DESIGNED WITH SINGLE PLATE BOTTOM FITTING WHICH ENABLES EASY MOULD CHANGING.



- VACUUM RELEASE EJECTION FOR MOULD BOTTOM BASE



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➤ MATERIAL USED:

- **PNEUMATIC:**

DOUBLE ACTING MAGNETIC CYLINDERS & FITTINGS: CAMOZZI (ITALY)/FESTO (GERMAN)
 SOLENOID VALVES: CAMOZZI (ITALY)/FESTO (GERMAN)
 FILTER, LUBRICATOR, REGULATOR: CAMOZZI (ITALY)/FESTO (GERMAN)

- **ELECTRICAL:**

MCCB (MAINS)-125 A: L & T

MCB USED: SIEMENS

VFD (L SERIES): DELTA

PLC WITH DISPLAY: SARIKA TECHNOLOGY (INDIA)

SOLID STATE RELAYS: SARIKA TECHNOLOGY (INDIA)

IR SHORT WAVE HEATERS: ANUPAM HEATERS & CONTROLS PVT LTD. (INDIA)

DC GEARED MOTOR: BONFIGLIOLI

ELECTRIC CABLES: POLY CAB

- **MECHANICAL:**

ALUMINIUM PREFORM HOLDERS, MS MOULD PLATEN, GUN METAL BUSH,
 DIAMOND CHAIN, CAST IRON CHAIN SPOCKET, MS CHROME SHAFT, MS PIPE, MS
 CHANNEL

MS MACHINE BODY, SS REFLECTOR SHEET, ALUMINIUM COOLING RAMP, MS AIR TANK
 SS BALL VALVE: INHOUSE

