



VI-3-5000

Overview:

VI-3-5000 is a bi-axial machine with travelling furnace. It has one L-Arm + two Straight Arm with Capacity to mount one mold of 5000 Ltr on L Arm & two moulds of 2000 Ltr or four moulds of 1000 Ltr or six moulds of 500 Ltr on each Straight Arm.

Features:

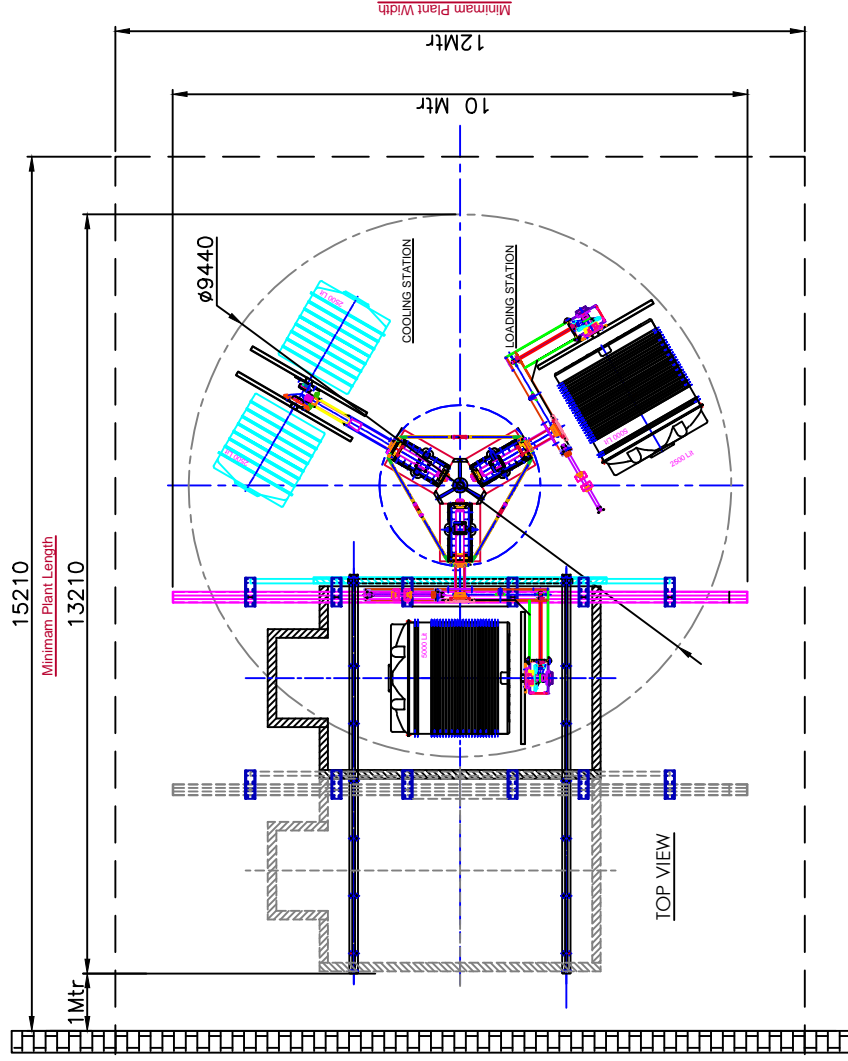
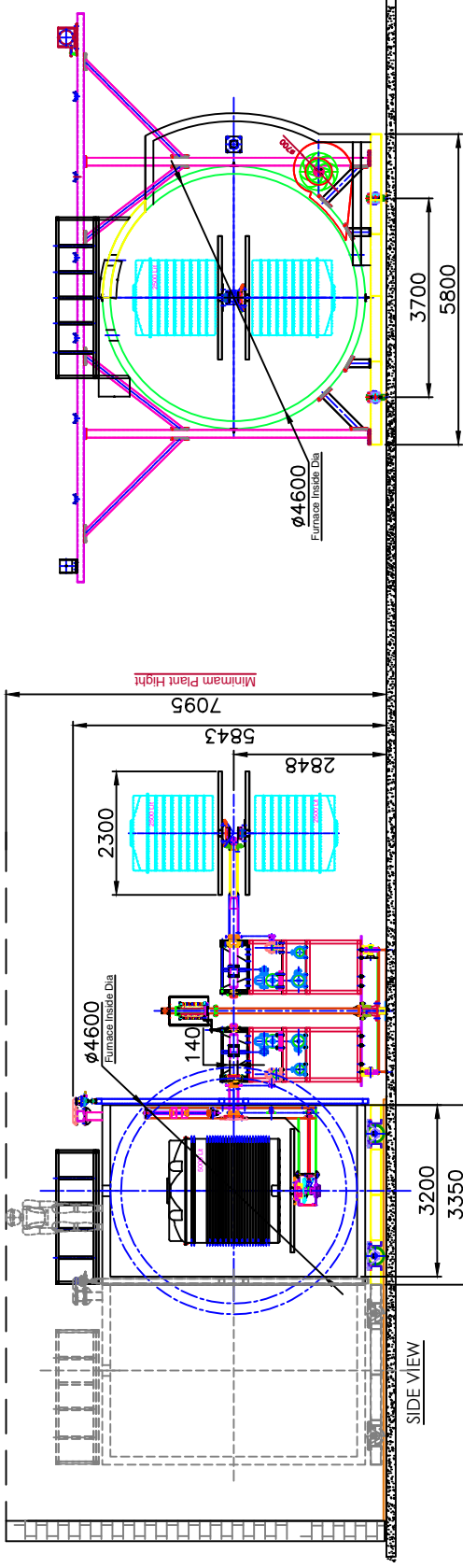
- Heavy-Duty Straight + L-Arm ensuring the reliability.
- Makes 32 tanks of 5000 Ltr or 64 tanks of 2000 Ltr or 128 tanks of 1000 Ltr in 24 hrs
- Heavy-Duty Turret and Moving Furnace.
- Capable of making Multi-layer Tanks.
- Very suitable to make good quality foam tank.
- Suitable for all roto moulding articles other than water tank as well.
- Only three Semi-skilled persons required.
- Low electricity consumption
- Fuel Efficient.
- It comes with 1 year warranty on all mechanical components.
- Plain and level ground is sufficient for installation of machine.
- Optional PLC Control Available.
- Mold Vertical Stop Arrangement System

SPECIFICATION	
Machine	
Machine Size	Length: 13.5 mtr
	Width: 11.5 mtr
	Height: 5.8 mtr
Minimum Shed Dimensions	Height: 7 Mtr
	Area: 3000 sq. ft.
Cycle time	Double layer: 45 mins
	Triple Layer: 55 mins
Production per Cycle	5000 Ltr x 1 or 2000 Ltr x 2 or 1000 Ltr x 4 or 500 Ltr x 6
Production per Day	1,60,000 Ltr (24 hrs)*
Fuel Consumption:	Diesel: 28 Ltr/hr*
	Gas: 24 Kg/hr*
Max. Temperature	250 °c
Total Connected Load	36 HP, 3 Phase, 50 Hz

TECHNICAL SPECIFICATIONS	
Straight-Arm + L arm	
Spindle	3
Arm type	Straight + L arm
Maximum weight on arm	St- 700 Kg L- 550 Kg
Spider Diameter	2400 mm
Major Axis Speed Range	0-4 RPM
Minor Axis Speed Range	0-6 RPM
Furnace	
Maximum Usage	509,891 Kcal/hr
Usage Normal	261,800 Kcal/cycle
Maximum Temperature	250 °C
Circulating blower CFM	24,000 CFM
Electrical	
Supply Voltage	440V, 50 Hz, 3 Phase & Neutral
Circulating blower HP	10 HP
Major Axis Drive AC Motor HP	5 HP
Minor Axis Drive AC Motor HP	3 HP

*All values are for standard double layer tanks

VEPL-3-5000



machine suitable for

VERTICAL 5000 ltr 01 mould on L Arm.

VERTICAL 2500 ltr 02 mould on ST. Arm.

VERTICAL 2000 ltr 02 mould on ST. Arm.

VERTICAL 1000 ltr 04 mould on ST. Arm.

MACHINE OVERALL SIZE IN METER	LENGTH	WIDTH	HIGHT
	13.2 Mtr	10 Mtr	5.8 Mtr
MACHINE PLANT MINIMUM REQUIRED SIZE IN METER	15.2 Mtr	12 Mtr	7.1 Mtr
CUSTOMER:- Sphagus Investment ltd zimbabwe.			
TITLE:-			
VI-3-5000 Plant Layout			
Vinodrai Engineers Pvt. Ltd. 12.km Stone Jalna -Aurangabad Road Dawalwadi Village Dist Jalna JALNA-431203 (M.S) E-MAIL:-vinodraieng@rediffmail.com Web:- www.vinodrai.com	SIGN	DATE	DWG NO :-
DRAWN		30.07.14	VI-3-5000 PLYT
CHKD			
APPD			
			SCALE: 1:1
			ALL DIMENSION IN MM