



# HI-TECH ENGINEERING



**“WHERE TARPAULIN SEALING SOLUTION WITH LOW COST AUTOMATION”**

Contact Details:-

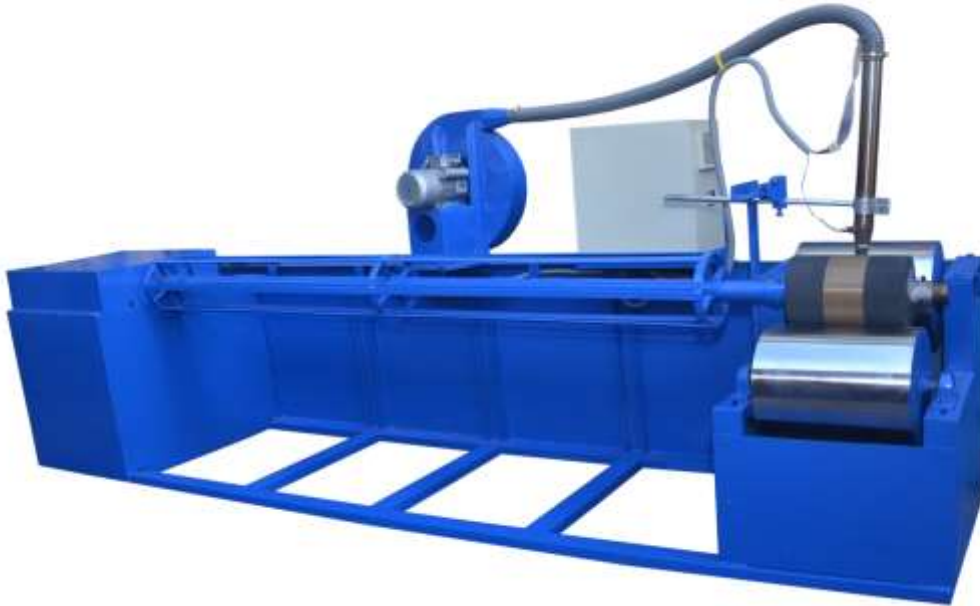
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## Technical Details of Tarpaulin Center Sealing Machine :- ( Single Head):-



**APPLICATION AND USES:** - The Machine Mainly Design to Manufacturer various sizes of The HDPE tarpaulin as per the requirement of the customer.

For Example: - if you Have 6 feet Roll and you wants to make 12, 18 feet width sizes. You can joint 6 feet and 6 feet and make 12 feet width size. With this Machine you can make desired size in terms width.

- Electric power consumption:- three Phase supply(single Phase will be on Request)
- Body :- Heavy Robustic Structure
- Power consumption :-7.5 HP(5.6 KW)
- Fabric sealing capacity :-70 GSM TO 600 GSM
- Production capacity :- 2 Tone Per shift
- Production Output /min. : 100 kg Roll in 8 Minutes (maximum depends on operating conditions)
- Control Panel :- ABB OR Schneider make with AC/DC (on Request)  
Digital and Visual Control :- Yes
- Man power Requirement :- 1 Experience operator 3 Helper for the Mass production
- Size of Machine :- 11ft.L X 3ft. H X5 ft. H (As per the Requested other size is Available as per the requirement of the HDPE tarpaulin.



## Technical Details of Tarpaulin Side Sealing Machine:-(Single Head):-



### **APPLICATION AND USES: -** The Side sealing Machine Mainly

Design to seal The HDPE Tarpaulin from the Corner of the Tarpaulin with automatic Reinforcement of plastic rope. Which give More Strength to the corner of the HDPE TARPAULIN?

For Example: - if you Have 12x18 size HDPE tarpaulin and you wants to seal it from the corner of the Tarpaulin with Inserting Plastic PP rope you can do it with the side sealing Machine.

- Electric power consumption:- three Phase supply(single Phase will be on Request)
- Body :- Heavy Robustic Structure
- Power consumption :-7.5 HP(5.6 KW)
- Fabric sealing capacity :-70 GSM TO 600 GSM
- Production capacity :- 2 Tone Per shift
- Production Output /min. : 100 kg Roll in 8 Minutes (maximum depends on operating conditions)
- Control Panel :- ABB OR Schneider make with AC/DC (on Request)  
Digital and Visual Control :- Yes
- Man power Requirement :- 1 Experience operator 3 Helper for the Mass production
- Size of Machine : -5ft.L X 3ft. H X 5 ft. H ( other Mini size is Available as per the requirement of the customer)



## Technical Details of Tarpaulin Mini Side Sealing Machine :- ( Single Head).



**APPLICATION AND USES:** - The MINI Side sealing Machine Mainly Design to seal The HDPE Tarpaulin from the Corner of the Tarpaulin with automatic Reinforcement of plastic rope. Which give More Strength to the corner of the HDPE TARPAULIN?

For Example: - if you Have 12x18 size HDPE tarpaulin and you wants to seal it from the corner of the Tarpaulin with Inserting Plastic PP rope you can do it with the side sealing Machine.

- Electric power consumption:- three Phase supply(single Phase will be on Request)
- Body :- Heavy Robustic Structure
- Power consumption :-7.5 HP(5.6 KW)
- Fabric sealing capacity :-70 GSM TO 600 GSM
- Production capacity :- 2 Tone Per shift
- Production Output /min. : 100 kg Roll in 12 Minutes (maximum depends on operating conditions)
- Control Panel :- ABB OR Schneider make with AC/DC (on Request)  
Digital and Visual Control :- Yes
- Man power Requirement :- 1 Experience operator 3 Helper for the Mass production
- Size of Machine : -3.5 ft.L X 3ft.HX5 ft. H (other Mini size is Available as per the requirement of the customer.

**TECHNICAL DETAILS FOR FULLY AUTOMATIC TARPAULIN SIX HEAD TARPAULIN SEALING MACHINE: -**



**WITH 6 FT ROLL SINGLE TIME 36 FT WIDTH SEALING. WITH CENTER SEALING MACHINE AND SIDE SEALING MACHINE.**



**AUTOMTIC INSERTING PP PLSTIC ROPE, AND PNEUMATI AIR OPERATED.  
AUTOMATIC PP PLASTIC ROPE INSERT.  
AUTOMATIC PUSH BUTTAN OPERAED SILICON RUBBER ROLLAR UPDOWN MOVEMENT AND NOZZALE MOVEMENT. EACH HEAD SEPARATE CONTROL AND MASTER CONTROL TO OPERATE THE MACHINES  
WITH TARPAULIN UNWINDER ROLL STAND 5 NOS. WITH CAPACITY 500 KG ROLL.  
WITH EACH SEALING SHAFT ROLLAR WITH LEARNING FOR THE BEST QUALITY OF THE SEALING.  
WITH EACH HEAD INCOMING AND AMPIER DIGITAL VOLTAGE INDICATOR.  
WITH SHANTI MAKE GEAR BOX AND ROTOMOTIVE MOTOR  
MATERIAL SEALING CAPACITY 100 GSM TO 650 GSM.  
PRODUCTION CAPACITY IN ONE 1 HOURS 1.6 TONES PER HOUR. DEPEND ON OPERATING CONDIONS AND GSM OF THE MATERIAL.  
ELECTRIC SUPLY REQUIRED 50 HP.  
PNEUMATIC MAKE JANATICS/FESTO.  
WITH 1 HP 2900 RPM BLOWER TECHNOLOGY BASED  
SILICON RUBBER ROLLAR 60 MM WIDTH.  
BEARINGS – FAG MAKE .  
ELECTRIC MOTOR – ABB/ ROTOMOTIVE.  
DRIVE AND MCB – SCHINIDER MAKE OR ABB MAKE.  
WITH I BEAM 160X300 MM 40 FT LENGTH AND HEAD MOVEMENT ARRANGEMENT AND LOCKIN SYSTEM.**

## Technical Details of Tarpaulin Mini Sealing Machine two In one Combo of side sealing and Center sealing :-( Single Head):-



**APPLICATION AND USES:** - The Mini sealing Machine Mainly Design for the combo of side sealing machine and center sealing machine:- we can do the side sealing with plastic rope Reinforcement and center joint of the tarpaulin to make the different sizes as per the requirement of the customer

For Example: - if you wants to make 12x18 size HDPE tarpaulin with Mini sealing machine you can do side sealing with plastic rope reinforcement as well as center joint sealing to make desired sizes.

- Electric power consumption:- Three Phase supply(single Phase will be on Request)
- Body :- Heavy Robustic Structure
- Power consumption :-7.5 HP(5.6 KW)
- Fabric sealing capacity :-80 GSM TO 500 GSM
- Production capacity :-1.2 Tone Per day
- Production Output /min. : 25 M to 45 M (maximum depends on operating conditions)
- Control Panel :- ABB OR Schneider make with AC/DC (on Request)  
Digital and Visual Control :- Yes
- Man power Requirement :- 1 Experience operator 3 Helper for the Mass production
- Size of Machine : - 5 ft. L X 3ft. H X5 ft. H (other Mini size is Available as per the requirement of the customer)

## Technical Details of Automatic Aluminum Eyelet Machine:-



**APPLICATION AND USES:** - The Automatic Eyelet Machine is Mainly Design for the fast production of Tarpaulin to fit and fix the Male and female Part of Aluminum Eyelet Automatically on the Tarpaulin.



**Drive Power:** - Pneumatic Air operated

**Body Material:** - Robotic structure with Stainless Steel

**Power Voltage:**-220 V/50 Hz

**Air pressure:** - 0.8 M Pa

**Power:** 500 W

**Wheel Operated:** Yes

**Speed** – 30-40 Eyelet/Minutes (depends on operating condition)

**Machine size:** - 830 mm L X800 mmWXL950 mm H

**Manual Eyelet Machine:** - Manual Machine for the Fixing Aluminum Eyelet on the Tarpaulin with manually. Where hole is done by Machine and male and female we have to put manually to fix the Aluminum Eyelet on the die of Manual Eyelet Machine



### **Technical details of Hydraulic Baling Press Machine:-Application and Uses:-**

The machine is used for the Baling of Tarpaulin, Cement plastic Bag, Green Agro Net and Garments to reduced the size in terms of Size for the purpose packing, more storage and more Transportation after pressing the Material. Its customized which Chamber size and Pressing Capacity is change as per the requirement of the customer.



**Body: - Robustic Structure with MS fabricated**

**Hydraulic pressing Capacity:- 10 M TONE (Depends on requirement)**

**Pressing capacity - 10 M TONE (Depends on Bale size and Chamber)**

**Machine Design: - Four side open**

**Table size- 900MMLX800MMWX1000mm (Depends On Requirement)**

**After Pressing. 900MML X 800MM W X200-300 MM (Depends on Material)**

**Oil Tank Capacity: - 90 liter.**

**Hydraulic Oil: - EP-68**

**Electric Motor capacity:-5HP (Depends on Chamber Size and Pressing capacity)**

**No of Strapping: - 6x2**

**Size of machine: - 1125LX800WX2500H**

**Weight of Machine: - 1000.KG (Approximate**





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**TECHNICAL DETAILS FOR DOUBLE HEAD TARPAULIN SIDE SEALING MACHINE :-**

**TO SEAL THE BOTH SIDE CORNER SIDE OF THE TARPAULIN TOGETHER HI SPEED SEALING THIS MACHINE FOR THE HIGH PRODUCTION TO MAKE TARPAULIN SIZES..**

**HI TECH MODEL NO- HI TECH-06-D-H-S-S**



**PNEUMATIC AIR OPERATED.**

**WITH CONVAYER BELT FOR THE AUTOMATIC MOVING OF THE TARPAULIN SIZES.**

**CONVAYER BELT WIDTH 3 FT.**

**WITH INCOMING VOLTAGE INDICATORS.**

**6.5 KW HEATER . WITH 600 DEGREE TEMPRATURE WITH SCHINIDER AC DRIVE.**

**JANATIC/FESTO MAKE PNEUMATIC COMPONANT. AS PER AVAILABILITY.**

**ROTOMOTIVE MAKE ELECTRIC MOTOR.**

**PRODUCTION SPEED 30-35 METER PER MINUTES. DEPENDS ON GSM AND OPERATING CONDITIONS.**

**WITH SILICON RUBBER ROLLAR.NOTE :-**

**MACHINE.SIZE 6FTWX12FTLX5FTH**

**COMPRESSOR IN YOU SCOPE .**

## **TECHNICAL DETAILS FOR THE SILPAULIN TWO LINE SEALING MACHINE :-**

**With Combo Of Side And Center Sealing Machine In A Single Machine Arrangement. 10 Ft  
(Size 9.5ft x 8.5 ft x 7 Ft)**



**With Panel board, Timer based control,  
Heater temperature control system.**

**Pneumatic air operated,**

**Air Pressure required- 6-7 Bar**

**Heavy structure body**

**Foot Operated valves**

**Emergency control Valves 3 Nos**

**Tuber Heater 3 Nos**

**With Silicon Rubber pad wit Teflon Tape**

**Man Power Required: - 1 Experience Operator and 2 Helper**

**Electric consumption. -0.30 paisa per kg**

**Heater capacity- 4.5 kW.**

**Production capacity -400 kg in 12 hours**

**Space required- 24 ft LX 60FT (Depends on production and quantity of the machine and Stock purpose)**

**TECHNICAL DETAILS FOR THE ULTRASONIC SILPAULIN EYELET PUNCHING MACHINE :-  
Size 2ftX2ftX5ft)**



**With Panel board, Timer based control,  
Heater temperature control system.  
Pneumatic air operated  
Air Pressure required- 6-7 Bar  
Heavy structure body.  
Man Power Required:- 1 Operator and 1 helper  
Electric consumption.-0.20 paisa per kg  
Heater capacity- 4 kW. With CVT  
Production capacity - 0.10 seconds for the one eyelet.**



## **TECCHNICAL DETAILS FOR HDPE FLAT LAPETA IRRIGATION PIPE MAKING MACHINE:**



**- HDPE PIPE MAKING CENTER SEALING MACHINE: - TO MAKE DIFFERENT SIZE AGRICUTURE PIPE IN TERMS OF WIDTH AND LENGTH AS PER THE REQUIREMENT OF THE CUSTOMER**

**MODEL NO.-HI-TECH – 30- C- HDPE- P**

**MACHINE-SIZE- 30FT.X3FT.X3FT. THREE PHASE ELECTRIC CONNECTION..**

**WITH ADJUSTABLE SPEED CONTROL UN-WINDER . MECHANICAL.**

**AND AUTOMAIC WINDER ROLLAR. 1 NOS.**

**WITH LIESTER MADE IN SWITZERLAN HEATER TECHNOLOGY 4.5 KW.**

**HDPE PIPE DIE 3” TO 8” ,WITH EDGE GUID SYTEM. And COUNTER METER LENGTH FOR THE LENGTH COUNTING SYSTEM.PRODUCTION CAPACITY OR 12-14 METER PER MINUTES . DEPENDS ON OPERATING CONDITION AND SIZE OF THE PIPE. AND OPERATOR EFFICIENCY**

**Further any more Information Please contact on below address or visit our factory for the more details and Trial demo of the machine for the Quality assurance and satisfaction.**

**M/S HI TECH ENGINEERING**



**OFFICE ADD.- GF-29 SUNGOLD COMPLEX  
BESIDE SAINT BASIL SCHOOL  
NEAR JAMBUVA CHOKDI  
MANEJA MAKARPURA  
BARODA-390014  
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