



ROBOTIC SCREEN PRINTER & SMART HEAT TRANSFER SYSTEM

The Company Overview

- Diamond Automation established in January, 2019 in Jetpur, Gujarat.
- Textile printing machines – Robotic screen printer and Smart Heat Transfer system
- Team – Engineering and Management Professionals,
- Expertise in the industry with background knowledge.

Mission:

- Our mission is to be the best in the global business of automation of textile processes.

Vision:

- Our vision is to automate screen printing textile process and develop efficient, affordable machinery for improving product quality.

Total Market size: USD 2,560 million (For screen printing machines)

Current Printing Process

1. Worker printing Process

Problems

- Hard work,
- Limitation of skilled worker,
- Low colour penetration,
- Limitation of colour and design,



Printing process by worker

2. Automatic Flat Belt Printing Process

Problems

- Colour burning ,
- Limitation of colour -14,
- Printing loss up to 50 meter,
- High Printing colour cost,
- 24 hours motor run during not printing work,



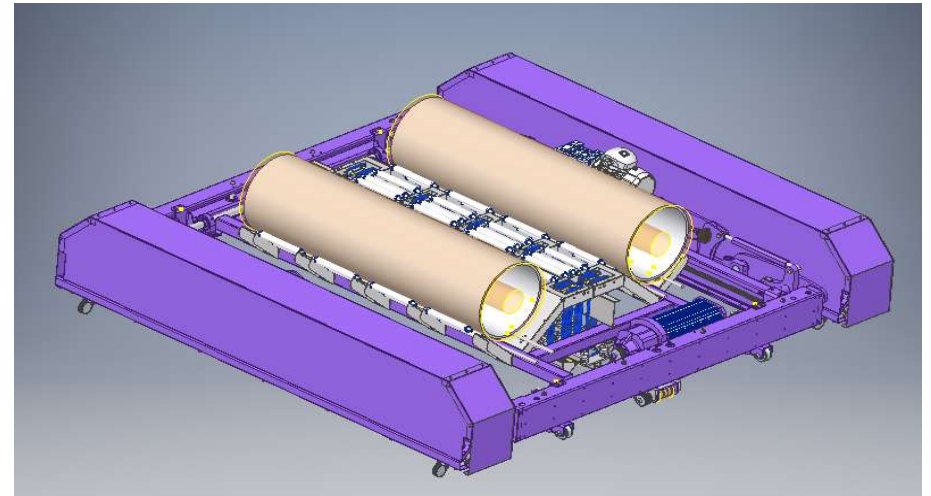
Flat Belt Screen Printing Machine (FBSPM)

Products

1. Robotic Screen Printer (RSP)

Solution

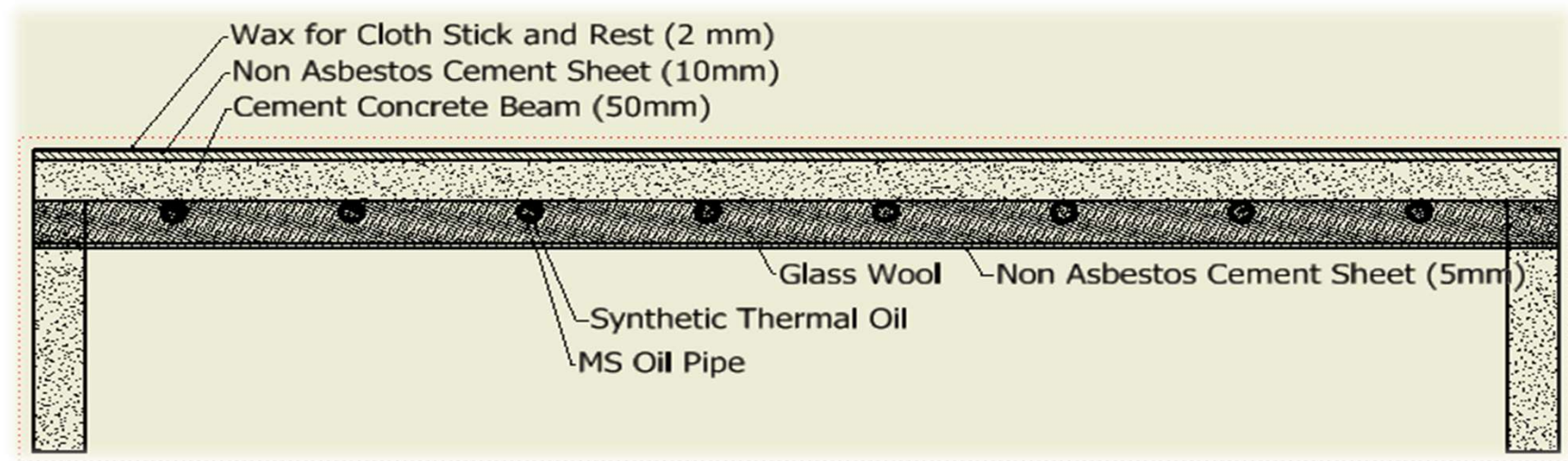
- Colour Penetration deep High,
- All Screen Block Pressing Same,
- Colour cost down compare to FBSPM,
- No Colour Burning,
- No Colour limitation,
- Low production loss,
- Pigment, Guvar gum and any Ink to used,
- No printing material loss,
- Low Printing cost compare to digital printing and FBSPM
- Online Production report update by mobile
- Online Alarm and warning Information system
- No need to modified structure of running Unit,
- Saree, Dress, Khanga, Kitanga, Shirts, Bedsheet, any Material like Cotton, Polyester, poplin, silk etc.,



Current heat transfer system

Problem

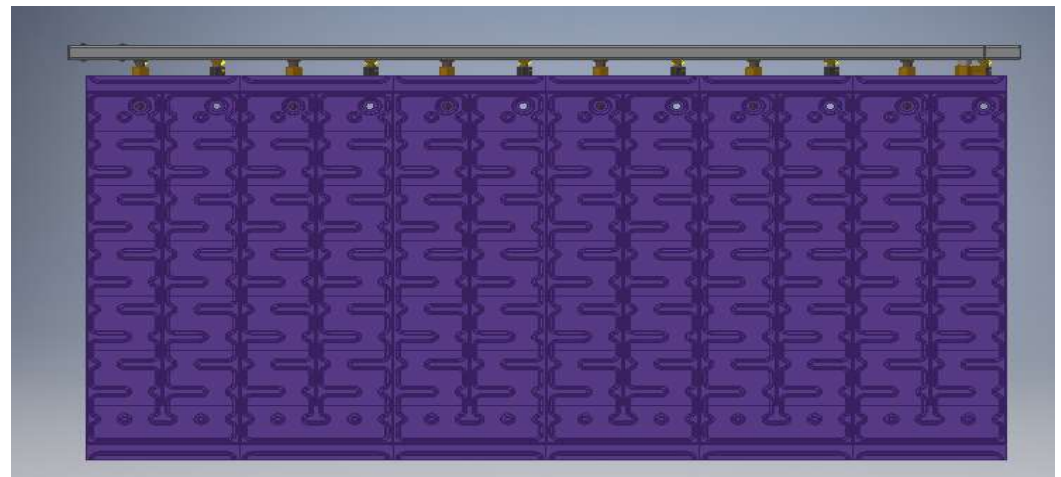
- Heavy heat loss because of Cement sheet – 10mm Thickness,
- Heating time more then 90 mins,
- Air Pollution,



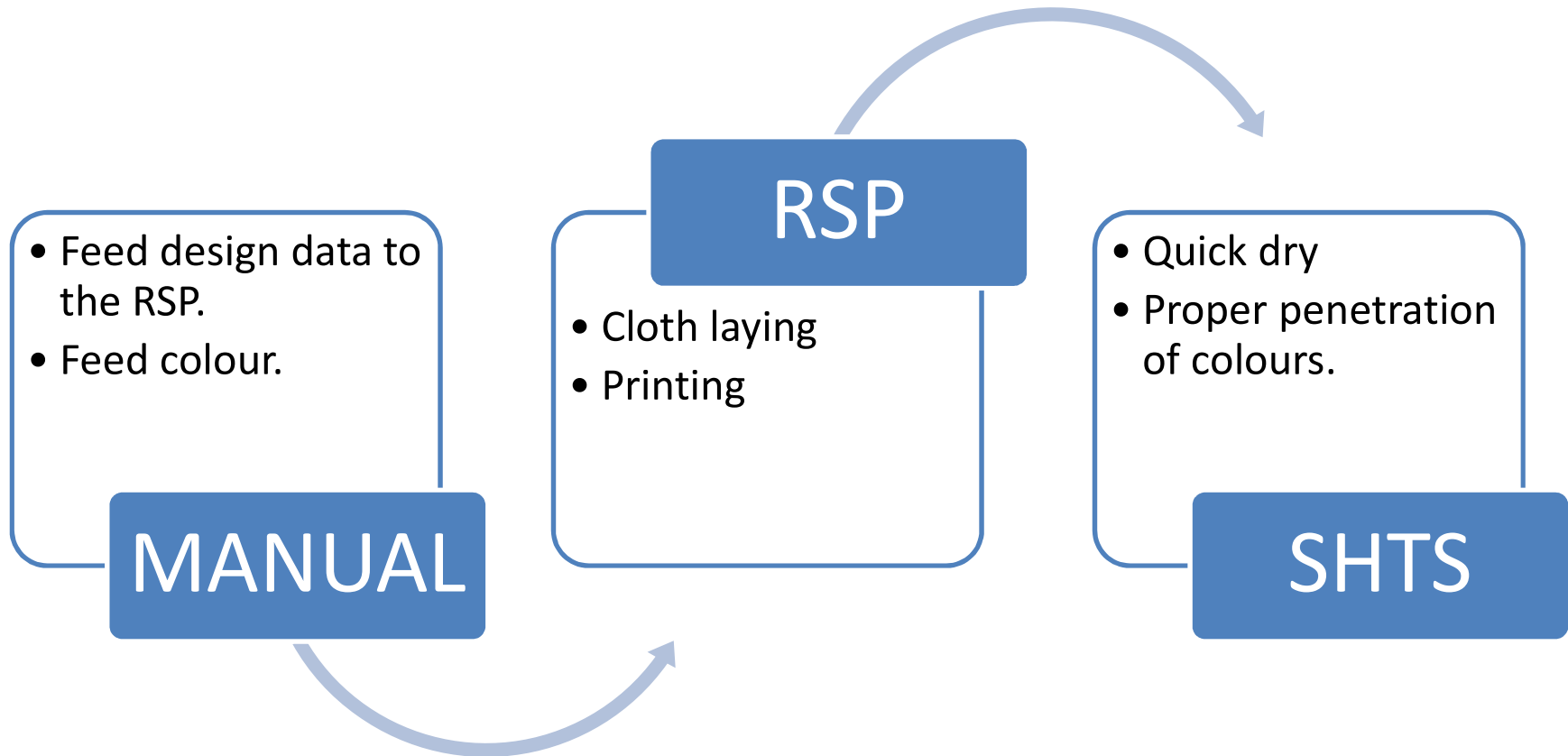
2. Smart Heat Transfer system (SHTS)

Solution

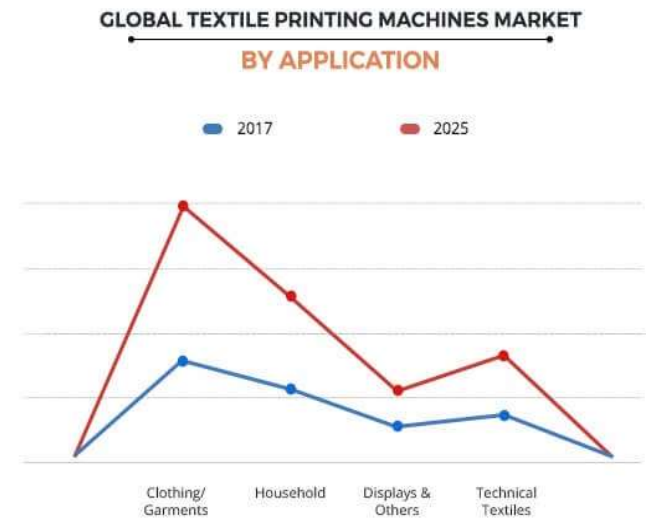
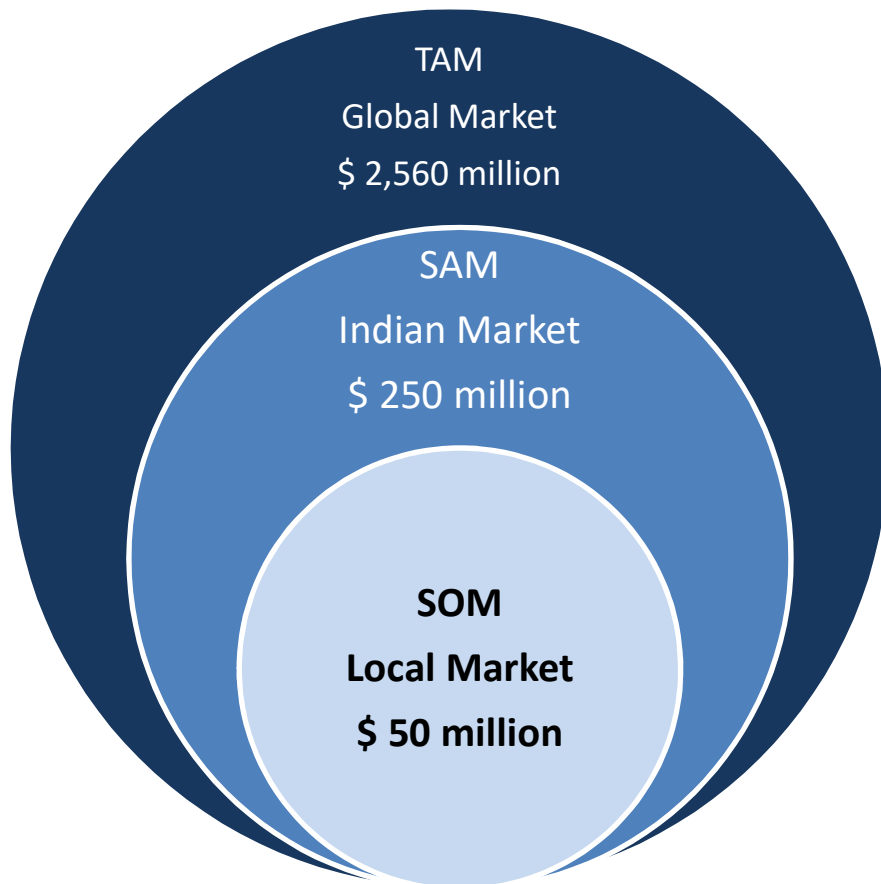
- Air pollution free system,
- LPG or Nature Gas used as a fuel,
- Fast Heating on Printing table,
- Joint less Printing Table,
- Low Fuel cost,
- Low Heat loss,
- As safety No fire during a working (Water based oil),
- Temperature change by Mobile,
- Online Alarm and warning Information system,



The Technology



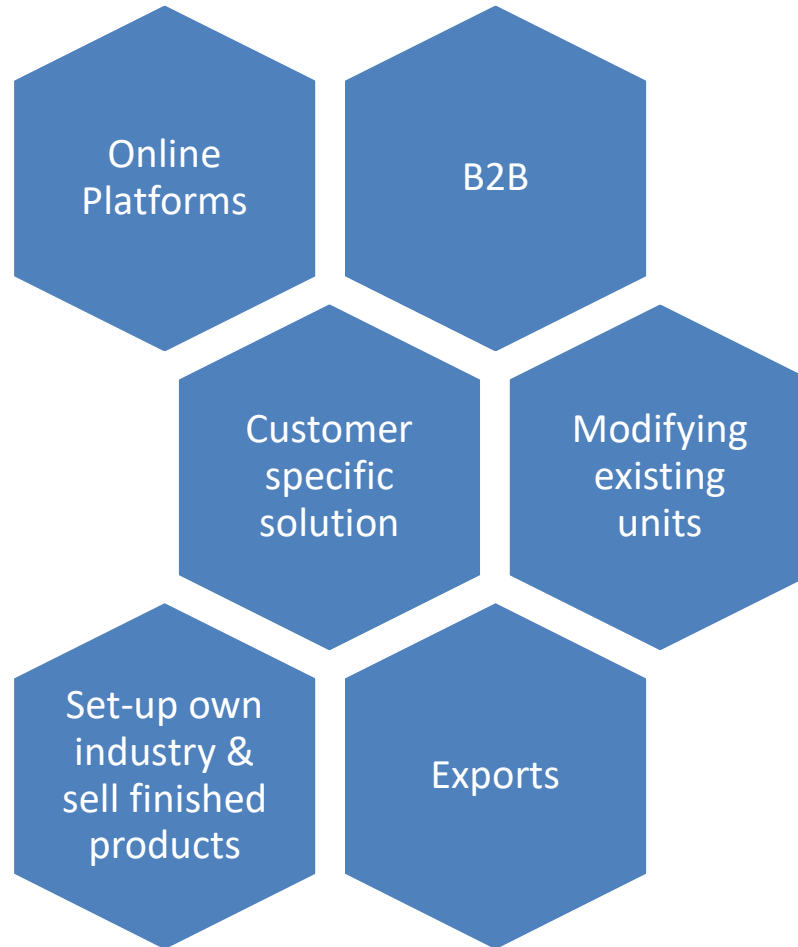
Market Opportunity



Clothing/ Garments segment is expected to secure leading position during forecast period.

Target Market size for Gujarat and nearby states for next 3 years : 50 Cr

BUSINESS MODEL



Marketing Plan

Distribution Channels

- B2B - Exports
- India Mart – Online Platforms

Communication Channels

- Social Media
- Industry meet

Piyush Butani

Jetpur, Bordi, Samadhiyala,

Rajkot,

Gujarat – 360370

+91 – 99789 27274

info@diamondautomation.co.in

THANK YOU