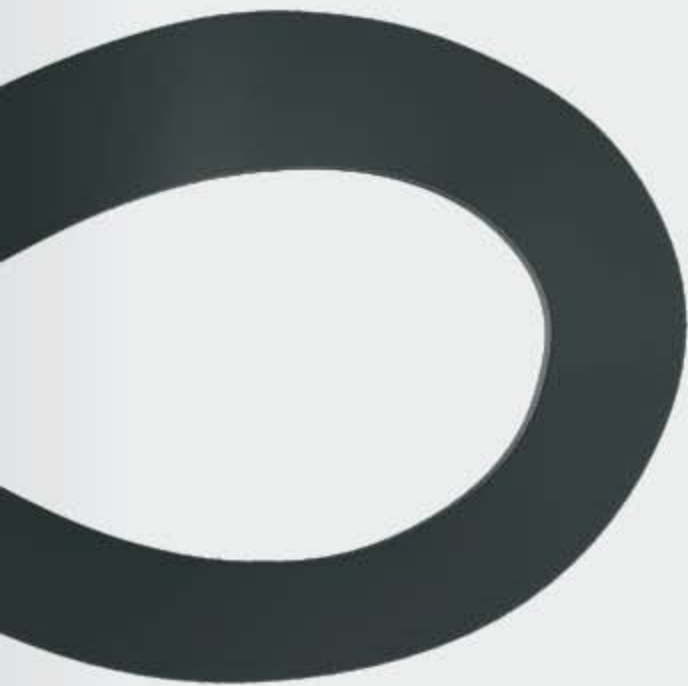


Expand Your Potential Infinitely.



Impressions
Textile Printing Blankets



Introducing the new
Impressions range of Textile Printing Blankets.

Endless Blankets for Endless Possibilities.

A Brainchild of



Mahasomi Rubtech Limited

Get ready for a whole new level of precision, adaptability and reliability in textile printing. Get ready to expand your potential.



Combining Rubber with High-Modulus Polyester, the next generation of endless blankets from Mahalaxmi Rubtech Limited (MRT) has opened up infinite printing possibilities for textile printers.

Impressions
Textile Printing Blankets

Inner Toughness meets Outer Adaptability



The new Impressions range offers the best of both worlds: the durability of rubber along with the rigidity and elongation control of High-Modulus Polyester.

The new range expands your possibilities by offering:

SERVOLINE
Impressions
Textile Printing Blankets

Blankets compatible with Flat Printing Machines operating with Single and Double Servo Systems

ROTOLINE
Impressions
Textile Printing Blankets

Rotary Printing Machines with 2.20mm thickness

In addition to the new range, we continue to offer the time tested, classic rubber blanket:

PRINTLINE
Impressions
Textile Printing Blankets

Ideal for various types of Flat and Rotary Printing Machines with Cellulose Reinforcement and blanket thickness ranging from 2.70 up to 3.00mm

MRT now offers Rubber Printing Blankets of widths upto 3700mm, across all three variants.

The People Behind the Breakthrough

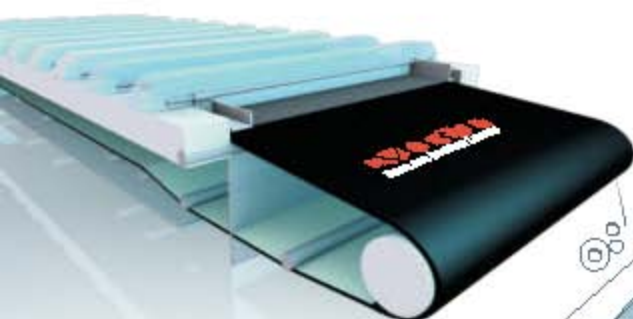
The new Impressions range is yet another feather in the cap of Mahalaxmi RubTech Limited (MRT).

A Pioneer in rubber blanket technology, MRT has since 1991 invested considerable time and resources in developing value additions and innovations to create technologically advanced Rubber Blankets.

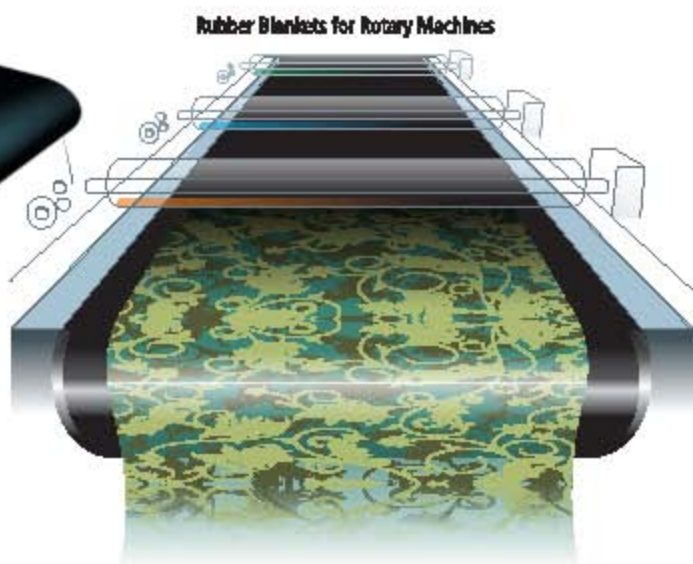
The Impressions range of endless rubber blankets from MRT meets every need of the quality conscious printer, pre-empting his every problem, and adds value to his product quality in every sense of the term. And its comprehensive quality has delivered outstanding results in demanding working conditions time after time, thus commanding high client loyalty the world over.

MRT is a part of the Mahalaxmi Group of Industries, a corporate conglomerate active in the manufacture and export of Textiles, Organic Pigment Powders / Emulsions, Textile Auxiliaries, Speciality Chemicals, Rubber Coated Fabrics and Precision Rubber Parts, with an industrial track record spanning four decades.

The Mahalaxmi Group has founded its business on a corporate philosophy of blending conventional and modern technologies, to produce ideal manufacturing solutions. And its industrial vision is truly transnational in technology, perspectives, networking and service ideas.



Rubber Blankets for Flat Machines



Rubber Blankets for Rotary Machines

IMPRESSIONS : **Setting standards for the Industry**



Each blanket in the IMPRESSIONS range is the culmination of knowhow gleaned after years of working with textile printers, and exhaustive research and development to counter the on-ground issues afflicting them.

Chief advantages of the Range include:

Superior Elongation Resistance

- Specially constructed, pre-stretched Cellulose and High- Modulus Polyester Reinforcement
- Exhibits excellent elongation control over long periods of operation
- High resistance to cuts and shocks
- Reduced edge-cutting, printing fault correction time and fabric wastage

Uniform Thickness

- Uniform micro-gaugeable thickness of 0.05mm precisely maintained along the length and breadth of each Blanket
- Fine, even printing registration and consistent absorption of both heavy and plain colours

Greater Compressibility

- Elastomer-enriched composition to resist the 'folding effect' before and after squeezes
- Optimal printing sharpness across different widths, even during high output runs

Remarkable Dimensional Integrity

- Unique Multi-Layered Structure of Fabric and Elastomeric Formulations to evenly dissipate linear tensile forces
- Optimally bonded layers for finely balanced flexi-stiff character and high dimensional stability under stress
- High flex crack resistance to minimize cost of corrective measures like fault adjustments, installation and tracking

Unmatched Surface Reliability

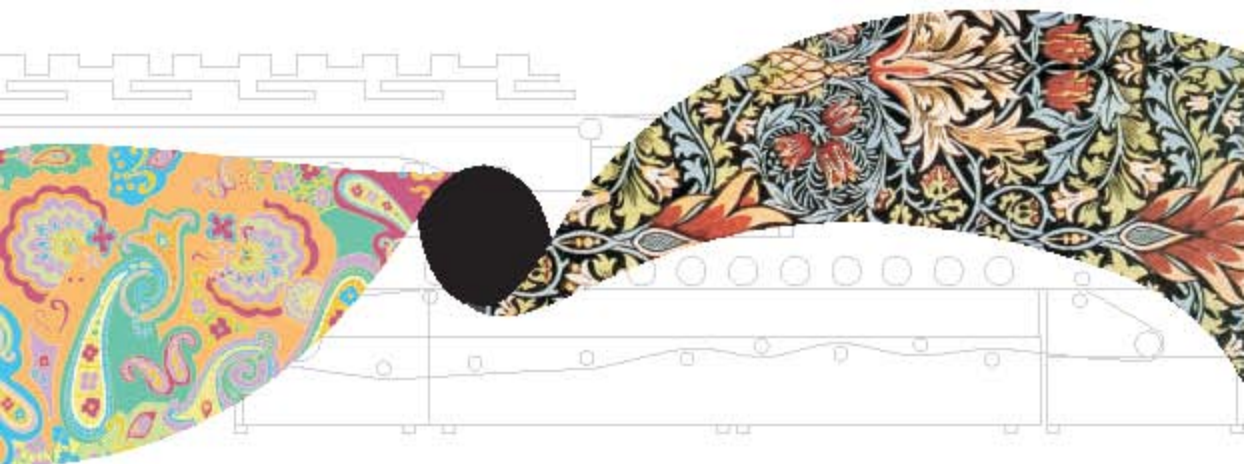
- Smooth, Glossy Printing Surface with remarkable resistance to Aliphatic and Aromatic solvents like hydrocarbons, alcohols, ethers, ketones, acetone, chlorinated solvents and esters
- Impervious to dyes, chemicals, pigments and temperatures up to 100°C
- High affinity towards water-based, thermoplastic and permanent adhesives
- Exceptional surface durability and minimum smearing for convenient cleaning

Easy Repair & Maintenance

- Customizable solutions like underside waterproofing to cut down wear and tear due to waste assimilation under blanket, constant abrasion and exposure to solvents, dyes, chemicals and water
- Repair kit included along with the blanket to facilitate quick repairs

Effective Cost Control

- Economically priced
- Minimum fabric wastage and reduced machine wear and tear
- Longer blanket life and negligible breakdowns, hence minimal downtime losses





Rubber VS Polyurethane (PU)

Settling the Debate

The following are professional inferences of MRT's team of scientists, drawn from extensive field research and firsthand observation of the textile printer's field realities.

R Impressions Rubber Blanket

PU Polyurethane Blanket



Structure

R Multi-layered structure containing Rubber give the blankets permanent compressibility. These Blankets retain shape throughout their lifetimes, enabling superlative printing sharpness, colour absorption and design registration

PU PU Printing Blankets are made of comparatively rigid Polyurethane, and offer very low compressibility. This hinders printing accuracy and registration



Surface

R Impressions Blankets with Rubber surface offers excellent resistance to Printing Chemicals, Solvents (such as Acetone, Ethyl Acetate & Thinner) and Temperatures upto 100°C.

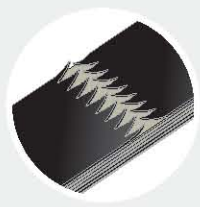
PU Surface of PU Blankets offers poor resistance to chemicals and solvents, which makes cleaning and maintenance a huge issue. Improper use of cleaning agents may damage the surface or cause problems such as delamination of layers at the edges. PU Blankets cannot resist temperatures higher than 70°C



Repairs

R In case of mechanical damages, Rubber Blankets are much quick to repair with the help of repair kit included with the Blanket. Plus rubber solutions required for repair are also easily available worldwide.

PU PU blankets are harder to repair. Repairs cannot be entrusted to anyone but highly skilled technicians, who may often have to be flown in. Mishandling by unqualified personnel may lead to costly damages.



Joints

R Impressions Rubber Printing Blankets are manufactured Truly Endless. The multi-layered construction incorporates a special ability to smoothly integrate the joined areas into the composite structure of the whole blanket. When joined together, the spliced areas blend perfectly, exhibiting the same strength and flexibility as any other part of the Blanket.

PU PU Blankets are manufactured in Open-end form. Whether joined in the machine or supplied endless, the blanket is made endless by splicing the entire structure, where only PU part is joined, while the spliced fabric remains spliced. This process seems easier, but it has the inherent risk of the joint giving away over a period of time, because the strength of the joint is only as good as the strength of the PU (since there is no effective reinforcement).



Key Observations

R Impressions Rubber Printing Blankets are designed and manufactured exclusively for the Textile Printing Industry. Every step of their construction, evolution and development is customized for the various needs of the Textile Printing process. Hence Rubber Printing Blankets offer more trouble-free operation, better printing performance and longer life span.

PU PU Blankets, basically, are conveyor / transmission belts, modified to suit Textile Printing. Hence, they create more operational stress, offer lesser printing finesse and shorter life span.

World-class Quality. The World Over.

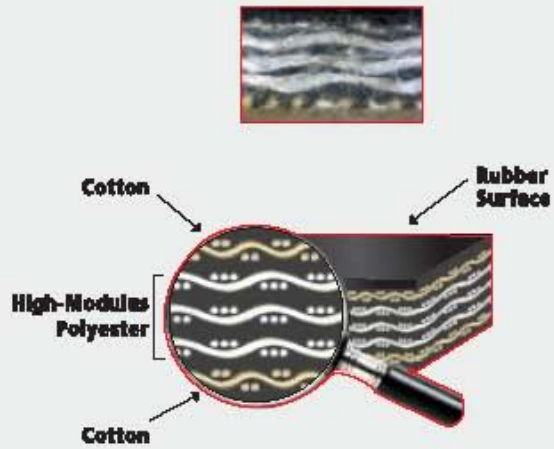


MRT's constant endeavour to improve its offerings, and its single-minded commitment to customer care, has helped it garner a loyal clientele in the following countries:

- Argentina
- Austria
- Bangladesh
- Brazil
- China
- Colombia
- Egypt
- Greece
- Guatemala
- India
- Indonesia
- Iran
- Kenya
- Malawi
- Nepal
- Nigeria
- Pakistan
- Singapore
- South Africa
- Sri Lanka
- Taiwan
- Tanzania
- Thailand
- Turkey
- USA

Cross Sectional View of Impressions® Textile Printing Blankets

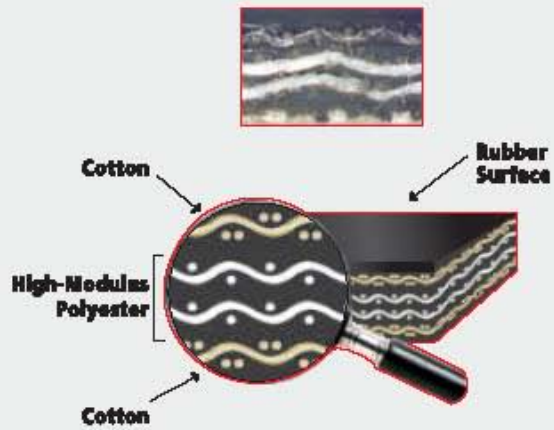
SERVOLINE
Impressions
Textile Printing Blankets



Microscopic View

Graphical View

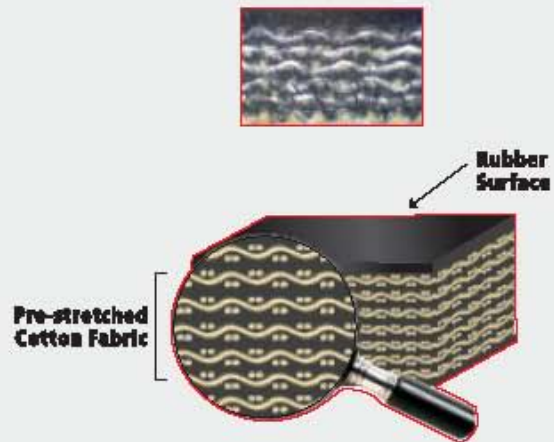
ROTO LINE
Impressions
Textile Printing Blankets



Microscopic View

Graphical View















PRINTLINE
Impressions
Textile Printing Blankets

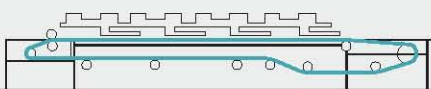


Microscopic View

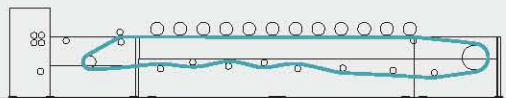
Graphical View

Technical aspects of the Impressions range:

Technical Specifications	SERVOLINE	ROTOLINE	PRINTLINE
Thickness (mm) 	2.65 (± 0.05 mm)	2.20 (± 0.05 mm)	2.70 - 3.00 (± 0.05 mm)
Number of Layers 	5	4	6-7
Maximum Width (mm) 	3700	3700	3700
Type of Re-inforcement 	Cotton & Polyester Fabric	Cotton & Polyester Fabric	Cotton Fabric (pre-stretched)
Weight (Gms./Sq.M.) 	3400 - 3500	3100 - 3200	3600 - 3900
Length Tolerances (mm) 	- 0 / + 50	- 0 / + 50	- 0 / + 50
Fitting Tension (%) subject to machine type 	0.30 - 0.40	0.40 - 0.50	0.50 - 0.60
Elongation under constant load of 5N/mm (%) 	0.30	0.40	0.50
Neutral Line Position (Pitch Line) (mm)	1.00 (± 0.05 mm)	0.80 (± 0.05 mm)	1.20 (± 0.05 mm)
Type of Top Coating 	Specially Formulated Synthetic Rubber		
Type of Intermediate Coating 	Polychloroprene Synthetic Rubber		
Type of Underside Coating 	Waterproofed with Specially Formulated Synthetic Rubber (Optional upon request)		
Operating Temperature Resistance on Top Surface (C) 	Max 100C & Min -15C		
Resistance to Solvents 	Resistant to Aliphatic and Aromatic Solvents (Hydrocarbons, Alcohol, Ethers, Ketones, Acetone, Chlorinated Solvents & Esters)		
Applications 	Flat Printing Machines with Single & Double Servo System	Suitable for New Generation Rotary Machines	Rotary Printing Flat Printing (With Magnet, Vacuum & Other Non-Servo Systems) Sample Printing Machines



Flat Machine



Rotary Machine

The Last Word in Rubber Textile Printing Blankets

If you're keen to enhance your production with rubber blanket technology, or widen your scope with IMPRESSIONS' latest rubber-synthetic fabric offerings, please get in touch with an MRT representative or write to: mrt@mrtglobal.com

The possibilities are guaranteed to be as endless as the blankets.



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