



MURATEX
TEXTILE MACHINERY CO.

TURNING YOUR FABRIC INTO ART

WITH OVER 40 YEARS OF EXPERIENCE



SUBLIMATION CALENDER | EMBOSING | ANTI-SLIP CARPET MACHINE LINE | SINGLE HEAD ROTARY
SCREEN PRINTING | DISPERSE & PIGMENT DYE FIXATION | BONDING | HOT FOIL PRINTING | CIRE
FLOCK & GLITTER PRINTING | POWDER SCATTERING | EMBOSING DESIGN CYLINDERS



TURNING YOUR FABRIC INTO ART

WITH OVER 40 YEARS OF EXPERIENCE

Muratex is a family-owned business formed in 1970 and is passionate about the design, manufacture, and building of bespoke technical textile machinery.

We are one of the few technology companies able to provide a key role in the technological development of many leading textile companies.

With our innovative systems combined with a practical vision, we are producing bespoke and traditional textile machinery for the automotive, aerospace and marine industries.

Our bespoke machinery, benefits our working with existing and new customers to meet the customers' exact needs, enabling, customers to explore and develop new markets and applications.

Over 40 years of experience, combined with extensive knowledge of the required applications, enable Muratex to provide machinery to develop your business often with a very attractive price, but not at the sacrifice of quality or speed.

Our experience and knowledge combined with first-class machine building are what we pass to you - our customer and partner.

We thrive on the challenges our customers ask of developing bespoke machinery to fulfill our customer needs.

We hope Muratex can be your chosen partner and we welcome discussions for your new ideas and projects.



Participating to ITMA since 1987



INSTALLATIONS IN MORE THAN 30 COUNTRIES WORLDWIDE



AMERICA

USA
Brazil
Mexico
Peru
Argentina

EUROPE

United Kingdom
Italy
France
Belgium
Spain
Portugal
Lithuania
Turkey
Greece
Romania
Bulgaria

ASIA

UAE
Israel
Thailand
Indonesia
India
Iran
Pakistan
Vietnam
Uzbekistan
Lebanon
Syria

AUSTRALIA

Australia

AFRICA

Morocco
Egypt
Algeria
Sudan

More than

3 Million Meters

fabric processed in our
machines every day
in the world

More than

1'600 Machines

Muratex Machines
sold in 5 continents



FIELDS OF APPLICATION

Home Textile, Upholstery, Fashion, Technical Textile

SUBLIMATION

CALENDER & BONDING MACHINE

MULTI FUNCTIONALITY

Standards

- Sublimation Paper Printing
- Heat Setting
- Reactivation of disperse and pig

Wide Range

This extensive range of calenders has been designed for continuous printing of fashion and furnishing fabrics, non-wovens and films.

Uniformity of End Result

An exclusive method of heating the Muratex's special made cylinders, allows close and constant temperature control, thereby guaranteeing excellent print quality in terms of both uniformity and penetration of inks.

Wide Range of Operating Temperatures

The wide range of temperatures obtainable with our special made cylinders (ambient up to 225 °C) means that substrates with different properties and requirements can be easily processed.

Management of Substrates During Heat Transfer Printing Process

With our broad experience, we can advise on the best devices for managing and handling materials to be treated (woven fabrics, mono and bi-stretch fabrics, etc).

Machine Configuration

- Different operating speeds obtainable with heated cylinders from 215 up to 1'000 mm in diameter
- Cylinder widths from 1'600 up to 3'600 mm
- Selection of machines ranging from notably compact versions to configurations for high volume production
- Wide range of optionals, available according to the selected application and substrates

Other Functionalities

- Eco-friendly process (no solvents whatever, and no use of water)
- Ease and versatility of use
- Quick and simple change of pattern/image
- Broad range of use

Broad Range Of Use

Multi-functional machines also suitable for: Fixation and setting of disperse and pigment inks, heat setting of fabrics, bonding/lamination for black-out films, etc, thermoplastic and pressure-sensitive films/ webs.

Optional Solutions

- Bonding
- Lamination
- Foil Effects



PIECE TO ROLL
SUBLIMATION CALENDER MACHINE

TECHNICAL SPECIFICATIONS

STANDARDS

- %100 Nomex felt
- Grinded main cylinder
- Grinded free felt rolls
- Pneumatic felt edge control with photo-sensor
- Touch screen operator panel
- Programmable heating and cooling
- Quick change heavy-duty air shaft
- Manual fabric tension control
- Adjustable felt air pressure
- Air shaft to fix the bonding material (both for rewinding and unwinding)
- Disk air brake system for unwinding bonding material roll
- Disk air brake system for unwinding protection paper roll
- Manual air brake system for rewinding protection paper roll

OPTIONALS

- Silicon coated felt
- Teflon coated drum
- Internal pressure roll
- External pressure roll
- Motorized unwinding units
- Air-frame to air-frame working system
- Extraction hood
- Cooling unit

Drum Diameter (mm)	Working Width (mm)	Drum Diameter (mm)	Working Width (mm)
Ø 215	1600	Ø 600	1600
	1800		1800
	2000		2000
	2200		2200
	2600		2600
	3200		3200
Ø 350	1600	Ø 800	1600
	1800		1800
	2000		2000
	2200		2200
	2600		2600
	3200		3200
Ø 500	1600	Ø 1000	1600
	1800		1800
	2000		2000
	2200		2200
	2600		2600
	3200		3200



FIELDS OF APPLICATION

Flooring, Composites, Automotive, Non-wovens Textiles, Recycling, Construction, Electrics, Filter media, Food

POWDER

SCATTERING UNIT & POWDER LAMINATION LINE

A scattering roller coated with a special needle covering in connection with a precisely adjustable brush belt provides for high-precision and very even application of the material to be scattered. This scattering system allows an infinitely adjustable working width between 50 mm and 3,400 mm as well as the possibility to choose application weights between 3.0g/m² upwards depending on customer needs.

Our user-friendly scattering systems provide a short cleaning time for scattering roller or brush belt less than 5 minutes in case of maintenance or process changeover. The scattering is very accurate and can be controlled easily by the operator from the control panel. Our control panel makes it possible to store exact processing conditions for each job being processed. In this way, repeatability and consistency are guaranteed time and again.

We offer scattering units for dry powder materials such as

- Thermoplastic adhesives
- Epoxy powders
- Recyclers
- Activated carbon
- Filling material
- Sand
- Grains etc.....

Customized solutions for your specific needs



POWDER LAMINATION LINE

The touch of expert hands adds perfection. Attention to detail, state-of-the-art technology and meeting your exact needs... These are the qualities that underline our unique production.

Our powder Lamination Line is specific for your production. You can add optional units listed below.

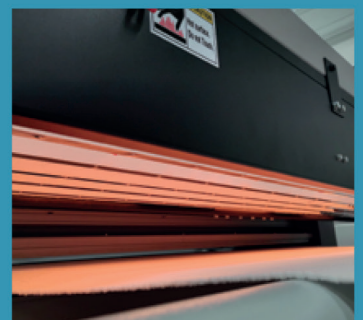
- Tensioning system
- Slitting
- Motorized rewinding and unwinding
- IR pre-dryer unit
- Crane system for lifting the fabric



Tensioning system

TECHNICAL SPECIFICATIONS

Drum Diameter (mm)	Working Width (mm)	Drum Diameter (mm)	Working Width (mm)
Ø 350	1600	Ø 800	1600
	1800		1800
	2000		2000
	2200		2200
	2600		2600
	3200		3200
Ø 500	1600	Ø 1000	1600
	1800		1800
	2000		2000
	2200		2200
	2600		2600
	3200		3200
Ø 600	1600		
	1800		
	2000		
	2200		
	2600		
	3200		



Infrared pre-dryer system



Motorized Rewinding & Unwinding



EMBOSSING MACHINE

FIELDS OF APPLICATION

Technical Textiles, Membranes, Film, Faux Leather, Upholstery, Home Textiles etc.

MULTIFUNCTIONALITY

Standards

Embossing of Substrates

Wide Range

Our extensive range of embossing machines is designed for roll to roll applications such as fabric, membranes, films, foils, papers, synthetic leathers, etc.

Uniformity of End Result

An exclusive method of heating the Muratex's special made cylinders, allows close and constant temperature control, thereby guaranteeing excellent embossing quality from start to finish.

Wide Range of Operating Temperatures

The wide range of temperatures obtainable with our special made cylinders (ambient up to 235°C) means that substrates with different properties and requirements can be easily and accurately processed.

Management of Substrates During Heat Transfer Printing Process

Embossing and Cire (Polishing) and Foiling can all be handled on the same machine with the fitting of optional extras.

Machine Configuration

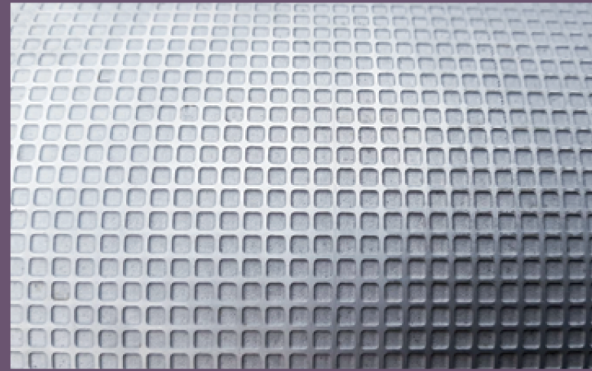
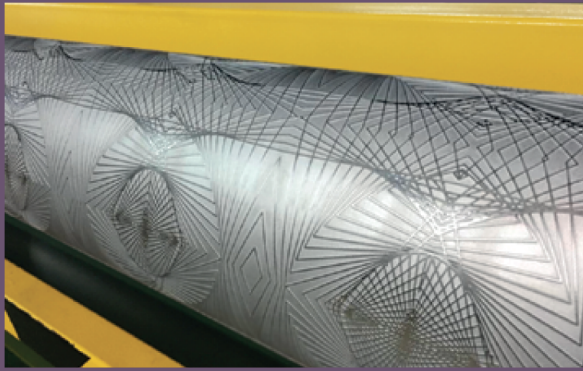
- Different operating speeds and pressure obtainable with heated cylinders from 215 up to 350 mm in diameter
- Cylinder widths from 1600 up to 3200 mm
- Selection of machines ranging from notably compact versions to configurations for high volume production
- Wide range of optionals, available according to the selected application and substrates

Other Functionalities

- Eco-friendly process (no solvents whatever, and no use of water)
- Ease and versatility of use
- A quick and simple change of design cylinder

Optional Solutions

- Foil Printing
- Cire (Polishing)



EMBOSSING CYLINDERS

Muratex also offers a design and manufacturing service for the embossing cylinders with a fast turnaround service and very competitive pricing.

TECHNICAL SPECIFICATIONS

STANDARDS

- Easy to change hard chromium covered design cylinder
- Hard rubber-covered bottom cylinder
- Hydraulic squeezing system
- Electronic speed control
- Electronic temperature control
- Electronic meter counter
- Manuel fabric tension control
- Adjustable hydraulic pressure

OPTIONALS

- Mirror cylinder for Cire
- Hard chromium covered cylinder for foil printing
- Rubber covered cylinder for foil printing
- Fan cooling unit
- Chilled cooling rollers
- A-frame for continuous production
- Air shaft to fix the foil (both for rewinding and unwinding)
- Disk air brake system for unwinding foil roll

Drum Diameter (mm)	Working width (mm)	Speed* (m/min)	Drum Diameter (mm)	Drum Diameter (mm)	Working width (mm)	
Ø 215	1600	2-5	Ø 270	1600	4-7	
	1800	2-5		1800	4-7	
	2000	2-5		2000	4-7	
	2200	2-5		2200	4-7	
Ø 240	1600	3-6		2600	4-7	
	1800	3-6		3200	4-7	
	2000	3-6		Ø 350	1600	6-8
	2200	3-6			1800	6-8
	2600	3-6			2000	6-8
	3200	3-6			2200	6-8
		2600	6-8			
		3200	6-8			

* Speed, as indicated, is as a guide only



Lamination Unit

FIELDS OF APPLICATION
Home Textile

ANTI-SLIP CARPET MACHINE LINE

3 in 1 Production Line Lamination, Rotation and Dryer

- User-friendly anti-slip back surface
- Maximum speed
- Low-cost investment and production
- Unlimited creativity and design

Imagine a machine line that creates a new carpet trend worldwide. Wouldn't it be nice if the production for that was easy, fast and the cost surprisingly low? Where the end products are user-friendly with its anti-slip function and the machine gives you the freedom of unlimited designs?

We created that machine for you!

Muratex's unique Anti-Slip Machine Line enables you to produce amazing carpets that can add magnificent value to your business.

Muratex Anti-Slip Carpet Machine Line contains 3 production units: Lamination, Rotation, and Dryer.

The preferred fabric glued to the felt by the help of the foil in the lamination unit. Anti - Slip PVC chemical is printed on the surface of the felt in the rotation unit. And the end product gets fixed in the dryer unit to obtain the durability of the anti-slip function.

Unlimited Combination and Freedom of Design User-friendly

The products that you can produce with our machine are user-friendly thanks to their anti-slip function, lightness, and washability. From velvet, blanket, suede to shag you may use all kinds of fabrics. And you may create unlimited carpet designs.



Low Cost Investment and Production

The production cost that is achieved with our machine is much lower than the conventional carpet weaving machines. Also, the production speed of our machine is much faster. Thanks to our Anti-Slip Carpet Machine Line, you may sell your carpets for much cheaper than your competitors and obtain competition power.

User-friendly

The products that you can produce with our machine are user-friendly thanks to their anti-slip function, lightness, and washability.

Working width according to your needs

We produce the machines with the working width from 160cm up to 320cm, all customized according to your needs

Anti-Slip Gel Back

We achieve a durable anti-slip functionality thanks to the special PVC chemicals. The design stencil rolls can be easily changed as well.



FIELDS OF APPLICATION
Fashion, Upholstery, Technical Textile, Home Textile

SINGLE HEAD ROTARY SCREEN PRINTING MACHINE

Machine width options

1800mm, 2000mm, 2200mm, 2400mm, 3200mm

Specifications

- One head rotary screen unit
- Screen report is 640mm
- Stainless steel blade pipe
- 50 kg stainless steel adhesive tank
- Pneumatic chemical pump
- Adjustable blade for right and left, up and down
- Electronic speed control
- Stainless steel waste tank
- Pneumatic cleaning blade for bottom cylinder

Working system options

- Airframe to airframe working
- Trolley to airframe
- Trolley to trolley

DISPERSE & PIGMENT DYE FIXATION MACHINE

Drum Sizes

Ø 215mm, Ø 350mm, Ø 500mm, Ø 600mm

Specifications

- Electronic speed control
- Electronic heat control
- Electronic meter counter
- The speed of the machine from 0,5m/min up to 8m/min
- Manual adjustable fabric tension for entry and exit side
- Roll to roll working system
- From 5 sides emergency stop buttons
- Options for the working system
- Airframe to airframe working (Optional)
- Trolley to airframe (Optional)
- Trolley to trolley (Optional)

Machine Width Options

1800mm, 2000mm, 2200mm, 2400mm,
2600mm, 3200mm

FIELDS OF APPLICATION

Fashion, Upholstery, Technical Textile, Home Textile
Outdoor Textile





FIELDS OF APPLICATION

Digital Printing, Dye-Sub Transfer Printing, Pigment Fixation

SUBLIMATION CALENDAR MACHINE

Sizes, Versions & Widths

- Drum sizes available: 215, 350, 500, 600, 800, 1000mm ϕ
- Working widths available: 1600 - 3200mm
- Versions: Roll to roll, roll to piece, roll to sheet

Standard Equipment

- 100% Nomex felt belts, produced in Italy
- Belt edge control
- Touch screen operation
- Programmable heating and cooling with the ability to set a timer and have the machine ready for production at shift start
- Safety chucks with quick change, heavy duty airshafts for all feed and winding positions
- Manual fabric rewind tension control
- Disc air brakes for the unwinding tension of the protection paper, fabric and printing paper
- Manual brake systems for the printing and protection paper rewinds.

Optional Equipment

- Table entry
- Conveyor system for individual pieces
- Extraction Hood
- Silicon covered external bonding pressure roller
- Internal metal pressure roller for bonding and foiling operations
- Web guiding equipment
- Chilled cooling rollers
- Motorised A-frame winding system
- Motorised large roll feeding system
- In-line slitting system

REWINDING & UNWINDING UNIT

Drum Sizes

1800mm, 2000mm, 2200mm, 2400mm

Specifications

- Electronic speed control
- Electronic heat control
- Electronic meter counter
- The speed of the machine from 0,5mt/min up to 15mt/min
- Manual adjustable fabric tension for entry and exit side
- Roll to roll working system
- From 5 sides emergency stop buttons

Working system options

- Airframe to airframe working
- Trolley to airframe
- Trolley to trolley

Machine Width Options

1800mm, 2000mm, 2200mm, 2400mm,
2600mm, 3200mm

FIELDS OF APPLICATION

Fashion, Upholstery, Technical Textile, Home Textile





Davutpaşa Caddesi Kale İş Merkezi C Blok No: 164 Topkapı, İstanbul, TURKEY
Phone: +90 212 481 80 73, Fax: +90 212 481 80 76
E-mail: info@muratex.net
www.muratex.net

AUTHORISED REPRESENTATIVES IN UNITED KINGDOM & IRELAND

Bespoke Machinery Design, Manufacture, Service & Support



i2 Europe Ltd
Unit 52 The Old Mill Industrial Estate,
School Lane, Bamber Bridge
Preston, Lancashire, PR5 6SY
Tel: +44 7961 266511
Email: enquiries@i2europe.co.uk

For further information and even more machinery visit our website
www.i2europe.co.uk

