Manufacturing and servicing machinery that withstands the rigorous demands of the industrial market.

Producing tufting mechanisms that champion competitive performance and high-definition detail.

Creating innovative designs that streamline processes, so you can increase efficiency and stay ahead of the pack.

Crafting superior tufting technology that makes every square metre of turf as durable as the next.

The enviable number of highly skilled and experienced mechanical and electrical service engineers working as full-time employees at TMS helps us stand out from our competitors and ensures our customers have the ultimate support.
When producing hard-wearing carpets for the industrial sector it’s crucial that our clients have complete control over every aspect of their machines. Our design and manufacture teams work in tandem to create machinery that meets your exacting specifications – whether we’re building you a bespoke tufting system or refurbishing a pre-existing one.

With our exclusive line of carefully designed mechanisms we can produce machinery that keeps up with the rigorous demands of the industrial carpet market, helping you to create high density, hard-wearing material – perfect for environments that receive heavy volumes of traffic.
Whether you’re looking to produce tightly woven domestic carpets for high-traffic areas, or more complex, luxurious patterns; we understand the importance of balance and performance when creating attractive, long-lasting materials. Our machines provide the high definition and subtlety that is demanded by this competitive industry.

Create rich, exciting carpets with an expansive selection of textures and colours at a superior production pace. Our team of engineers offer a high calibre of build quality, ensuring that your tufting machine, whether a bespoke machine built to your specifications or a refurbished model, will run smoothly and efficiently.
The automotive interiors industry can be a fast one, which is why we’ve developed mechanisms that have been proven in test environments to significantly reduce vibrations and increase overall speed. Most importantly, our machines produce high-quality carpets that will withstand the needs of this demanding market.

Our bespoke mechanisms have been created with these demands in mind. For example, the TMS High Speed Needlestroke mechanism has been designed to work without the use of balance weight, making it possible to change the needlestroke in under 15 minutes (on a 5m machine) – just the thing for keeping up with the competition.
Thanks to our manufacturing team’s experience of nearly 200 combined years, we understand the specific requirements needed to manufacture high-quality synthetic turf. Regardless of whether you’re looking to produce attractive surfaces for landscaping, or a realistic turf system for sports performance, we can supply you with the right machinery for the job.

Our machines deliver on the pile height and high Dtex required to make every square metre of turf as durable as the next. We focus on designing machines that produce up-right, attractive grass systems that deliver a stellar water infiltration rate.
ICY - INDIVIDUAL CONTROLLED YARN

The name says it all! ICY stands for Individual Controlled Yarn. With our ICY machine which is a blend of UK and Japanese engineering we offer endless possibilities and provide a machine which is only limited by your imagination.

This patterning attachment allows you to tuft without repeat over the complete width of your machine, be that 2, 3, 4 or 5m and that in the gauge you desire. The result is free flowing patterns, shading effects and all different kind of textures you want to produce for the commercial or domestic carpet markets.

Our ICY system is designed with an eye on maximum yarn control to obtain the high speeds needed in today’s production environment. Therefore the ICY modules are developed with bigger yarn rollers to ensure more contact surface between yarn and roller.

They are also coated with a special material for a very long lifetime to reduce maintenance on the machine and maximize production. This coating also grants us the possibility to process wool yarns which is revolutionary in the market.

To offer a suitable machine for every application and budget we offer 2 drive systems for our ICY modules:

**STEPPING MOTOR**

Our stepping motor system is our favorite to enable you to enter this high end market! It is favored in the production of carpet tiles and out there in production since 7 years. In production we achieve speeds to 1100 stitches/min tufting smooth with yarn depending on the design.

Available in the gauge you desire and we offer the possibility to combine front and rear yarn feed in combination with sliding needlebar attachments.

**SERVO MOTOR**

Aside from the stepping motor driven modules, we also offer a servo driven system.

This has some benefits to the stepping motor system:
- Higher production speed up to 1500 stitches/min depending on the design
- Allows you to have larger pile differences from one stitch to the next for special pattern designs.
BRAND NEW FRAME 4/5 METER

The TMS Excel Tufting Machine offers new levels of performance in a totally versatile machine, performance previously attainable only by specialised single purpose machinery. The keynotes are a totally new and unique needlestroke mechanism for ultimate balance and performance, in conjunction with increased frame strength and rigidity.

The evolution of the TMS Excel and the progressive refinements are designed to set the standards of tufting performance.

The uniquely designed TMS High Speed Needlestroke Mechanism negates to use of balance weights thus providing the benefits of reduced vibration and increased speed. The needlestroke chain is a fantastic concept the transmission of power for high speed, high compactness, economy and durability of a chain drive.

Each needlestroke module works per 2 pushrods and capable of transmitting 30 kW. In product environment test, it is possible to change the needlestroke of a 5m machine in under 15 minutes.

High speed production demands an efficient lubrication system, therefore, TMS designers have developed pressurised directable oil feed to all major components and a float on the oil principle for the chain drive. The looperstroke and knifestroke mechanism are all TMS Roller Bearing design. This is a proven system for routine high-speed production.

TMS recommends either steel semi-modular or prima plus knife cutting systems to maximise the carpet surface finish, compared to other systems the modular system allows speedy knife changes. The TMS Excel Tufting Machine is custom built to your specifications, fully mechanical control or full servo systems, all come complete with hydraulic clamping motorised bedplate and in all gauges.
The TMS Excel tufting frame is also available in a 2m version. The unique needlestroke mechanism in combination with the strength and rigidity of frame and bedplate provides ultimate balance and performance in this narrow width tufting machine.

Aside from the single sided main drive of the machine used in 2m machines, we also offer the possibility for a complete 2 sided main drive of the machine.

This frame is perfect for the production of carpet tiles in combination with our ICY – Individual Controlled Yarn – attachment. It offers the needed flexibility for all pattern attachments and holds the needed strength and rigidity for high speed production.

As with all our machines, we provide you with the choice between the different drive systems for yarn feed and cloth feed. We work with both PIV driven rollers as with our own servo controlled system.

All our machine control panels are build inhouse and are standardized for easy availability of components worldwide.
TMS is known worldwide for their market leading position in converting existing machines and offering true value for money. We are able to adapt and design all levels of conversions, from simple gauge changes right through to the complex conversions. Our standard range of conversions & attachments consists of:

- Gauge changes
- Jute mover attachments (mechanical or by servo drive)
- Double sided yarn feed system (by PIV or Servo drive)
- Single or double sliding needlebar systems (by cam system or servoshifter)
- Multiroll attachments (up to 8 rollers / machine side)
- ICY individual controlled yarn attachment for any gauge
- FRS full repeat scroll systems
From design to manufacture, installation, maintenance and repairs. We pride ourselves on the service we supply for our customers, we have the team to ensure our customers get the very best support to keep their tufting performance at the highest levels. Here at TMS we provide unrivalled quality, value, service and on-time delivery. The enviable number of highly skilled and experienced mechanical and electrical service engineers working as full-time employees at TMS helps us stand out from our competitors and ensures our customers have the ultimate support.
TUFTING MACHINEPARTS

Bearings, oil-lites, taper locks

Castings

Backing Bars

Knife Blocks

Gauge Parts

Here at TMS we carry a huge inventory of spare parts for all the major manufacturers enabling us to react quickly to our customer’s needs.

We manufacture and supply all types of needle, hook, looper and knife bars, as well as all manner of aluminium and cast-iron bracketry, 610 Grinders and knife blocks for all the cutting systems.

We’re aware that not every customer can purchase brand new machines each time the market trends change, so converting existing machines offers true value for money. We are able to adapt and design all levels of conversions, from simple gauge changes right through to the complex conversions. So whether it is a simple replacement part or a full conversion kit, we can supply and install anything you may require to keep you ahead of the competition.
As well as the new and refurbished machines, we manufacture and supply all the ancillary equipment required in the tufting industry. Our ancillary equipment range consists of:

- Creels (Completely installed and tubed, ready for production, or delivered as a DIY package)
- Backing unwinders (Tension control by dancing roller and drive on the cloth feed roller / Tracking or guiding by photocell and driven platform)
- Inspection frames (With or without J-Box / For lapper or re-roll)
- Re-rolls (2- or 3-roller setup / With or without pneumatic doffing)
- Knife grinder (Rotary system or linear grinder depending on required volume)
Tuftight LX

Employing the same detection principle as the industry-proven Tuftight Gen 1, reconfigured in a simpler, more integrated, and easier to maintain design. Set the angle of the yarn and adjust detection sensitivity with a unique rack-and-pinion mechanism. Select programmable stop delay for the entire rail or each meter section. The Tuftight LX accommodates various creel and header layouts by normalizing the tight-end response across the machine. (LXg / LXs)

TMMS Detection

Tufting Machine Monitoring System. Proven yarn-break detection technology for tufting. Designed exclusively for the tufting machine, the TMMS provides effective yarn-break detection performance with all yarn types and sizes. Available for single-sided or dual-sided machine configurations.

Tuft X

The TuftX system is our latest development and will be available from April 2019. This revolutionary system is an individual end detection system working with infra-red technology. Combining the possibilities of a tight-end and a broken end detection system in one system, we strive to make your tufting machine work fail proof and mending the carpet a job from the past. The possibilities we have with this system are virtually limitless and will change the tufting industry forever...
ACCESSORIES - CREEL

Friction Tensioner  HDPE Tubing  Tube Rings

Bobbin Holders  Eyelets Brass - Nylon - Ceramic

We supply all accessories for the tufting industry at the most competitive prices in the market. We offer the complete range:
- All parts for the tufting creel
- Splicers
- Carpet menders

We deliver all parts in various dimensions, so please contact us for your individual needs. We can supply all our parts worldwide, wherever you are located. Our inhouse transport department can arrange delivery to your door. We stock our tufting accessories to provide you with a fast delivery from our warehouse in Belgium.
ACCESSORIES - SPLICERS

Splicer BLC
- Rubber cap to reduce impact from falling
- Automatic cutting of the yarn ends
- Interchangeable splice chambers
- dtex range: 1000 to 3500

Splicer BSC
- Available in both left and right handed versions
- Integrated cutting knife for hasslefree manual cutting

Splicer HS
- Automatic cutting of the yarn ends
- Interchangeable splice chambers
- dtex range: 500 to 6000
ACCESSORIES - MENDING GUN

**Mending Gun - Mk3**
- Market leading repair gun for the tufting industry
- High pile version available for the Artificial Grass manufacturers
- 5 needle sizes available to suit machine gauge
- Cast Aluminium body giving great strength and weight benefits
- Easy set pile height adjustment

**Spares**
- Needles
- Gun Barrel
- Spiked Feed Wheel
- Pile Height Adjusters
- Turntables

**Suspension Unit**
- Manufactured to fit all styles of inspection/lapping frames
- Fast and effective retractable repair gun support
- Quick, efficient, slide position across full sewing width
- Elevated pneumatic connection to avoid trailing airlines
- Operator Friendly
Le Clair & Meert was founded in 1996 as a merger of both the agencies Luditex and Braun Derck. Today, Le Clair & Meert is active in all branches of the textile industry: carpet, extrusion, non-woven, weaving, spinning and finishing.

What our partners are concerned; they all share at least one similarity: each of them is a market leader and supplier of genuine top products! Next to the sales of new machinery, Le Clair & Meert has expanded its activities to the sales of pre-owned machinery. As a company, we distinguish ourselves in terms of experience and a consistent strive to establish a long-term relationship with each of our customers.

Our visibility and strength in the marketplace is not accidental, but is based on a close cooperation with our customers, offering full service & support and provide them with sound advice. That’s why our professionals – among which 7 engineers - are current with every update and modification related to your system and focused on resolving even the toughest problems. After all, our focus is to deliver superior service so that you can focus on what you do best.

We supply pre-owned machines for the complete carpet industry:

- Carpet yarn extrusion
- Cabling & twisting process
- Heatsetting process
- Carpet & Artificial grass tufting
- Carpet weaving
- Shearing lines
- Backcoating & finishing lines

We sell and buy machines, therefor we have a warehouse in both Belgium and the UK for warehousing the machines we buy. We offer you a complete trouble free experience with our team consisting of mechanical and electrical technicians to do the dismantling and loading, travelling worldwide. To complete this we offer our services to arrange the transport of your machines with our in-house transport department.
LE CLAIR EN MEERT WORLDWIDE

www.leclairmeert.be / www.tufting.be
LOCAL AGENT

LE CLAIR & MEERT
Contact: Bas Van Der Gucht
Deinsesteenweg 25
9770 Kruishoutem
Belgium
T. +32 9 333 88 88
M. +32 496 27 37 61
bas.vandergucht@leclairmeert.be
www.leclairmeert.be
www.tufting.be