

Le Clair & Meert ^{.n.v.}

Your partner for tailor-made solutions

TUFTING CATALOGUE

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TMS

 **AEI** APPALACHIAN
ELECTRONIC
INSTRUMENTS

TMS TUFTING MACHINES



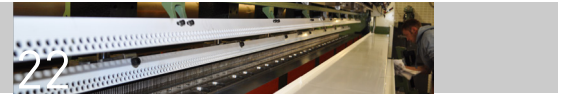
ARTIFICIAL GRASS - TURNKEY FACTORY



TMS BRAND NEW FRAME



CONVERSIONS & ATTACHMENTS



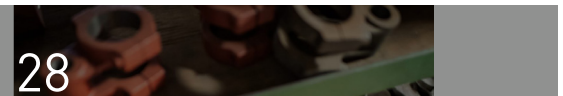
ELECTRICAL PANELS & CONVERSIONS



TUFTING MACHINEPARTS



WWW.TUFTINGSPAREPARTS.COM



ANCILLARY EQUIPMENT



APPALACHIAN ELECTRONIC INSTRUMENTS



ACCESSORIES



SECOND HAND CARPET MACHINERY



LE CLAIR & MEERT WORLDWIDE









TMS TUFTING MACHINES



COMMERCIAL

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



DOMESTIC

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



AUTOMOTIVE

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



SPORTS

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



SERVICE

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.







COMMERCIAL



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.





DOMESTIC



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.





AUTOMOTIVE



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.





SPORTS



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.





SERVICE



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.



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ARTIFICIAL GRASS - TURNKEY FACTORY

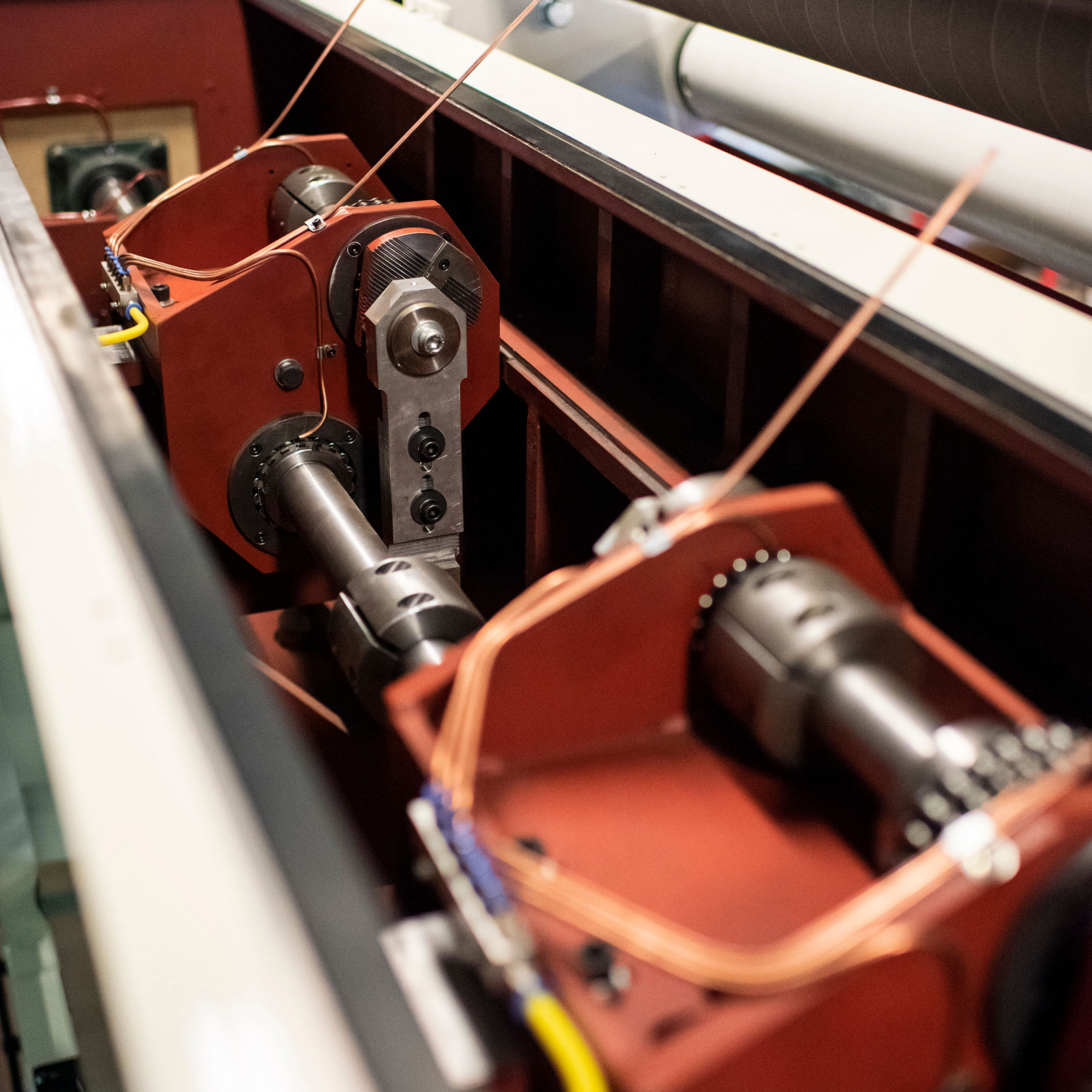


The Artificial grass industry is a strong and growing branch of the textile industry. We felt there was a need for a one stop shop to help guide customers from the idea to produce the artificial grass, through the purchasing process all the way to the start-up of the factory and training of the people. By working together with market leading machinery suppliers and applying our extensive knowledge of the Artificial grass industry, we are able to supply a turnkey factory for the production of Artificial grass.

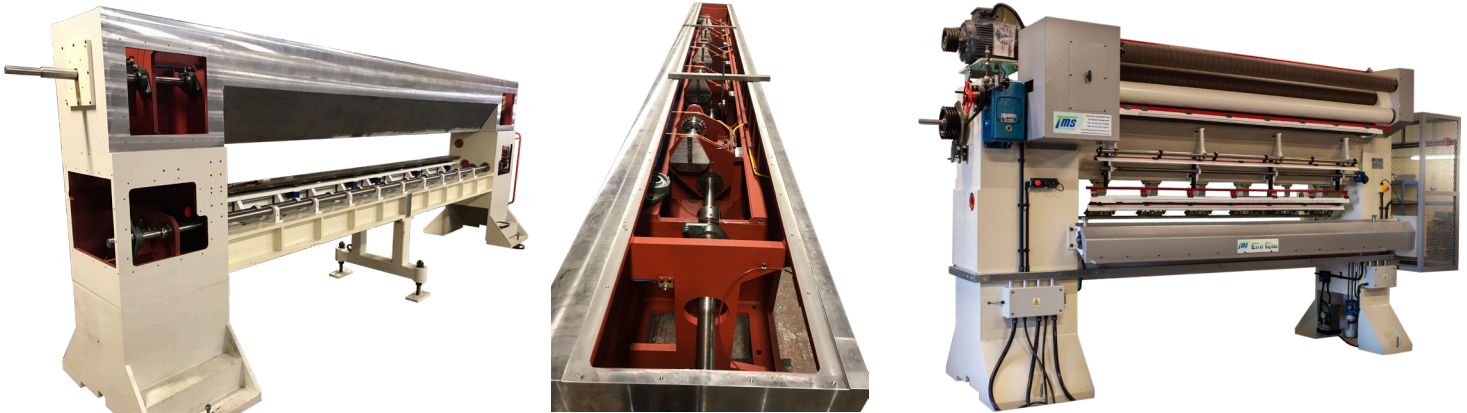
The process:

- Exploratory meeting
- Planning of the building
- Material flow
- Machinery need + quotes
- Contacts with raw material suppliers
- Purchasing process
- Planning of supply of the machinery
- Shipping and delivery
- Installation and start-up
- In-house training

Please contact us with your individual needs so we can offer a custom proposal!



BRAND NEW FRAME 2/4/5 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.

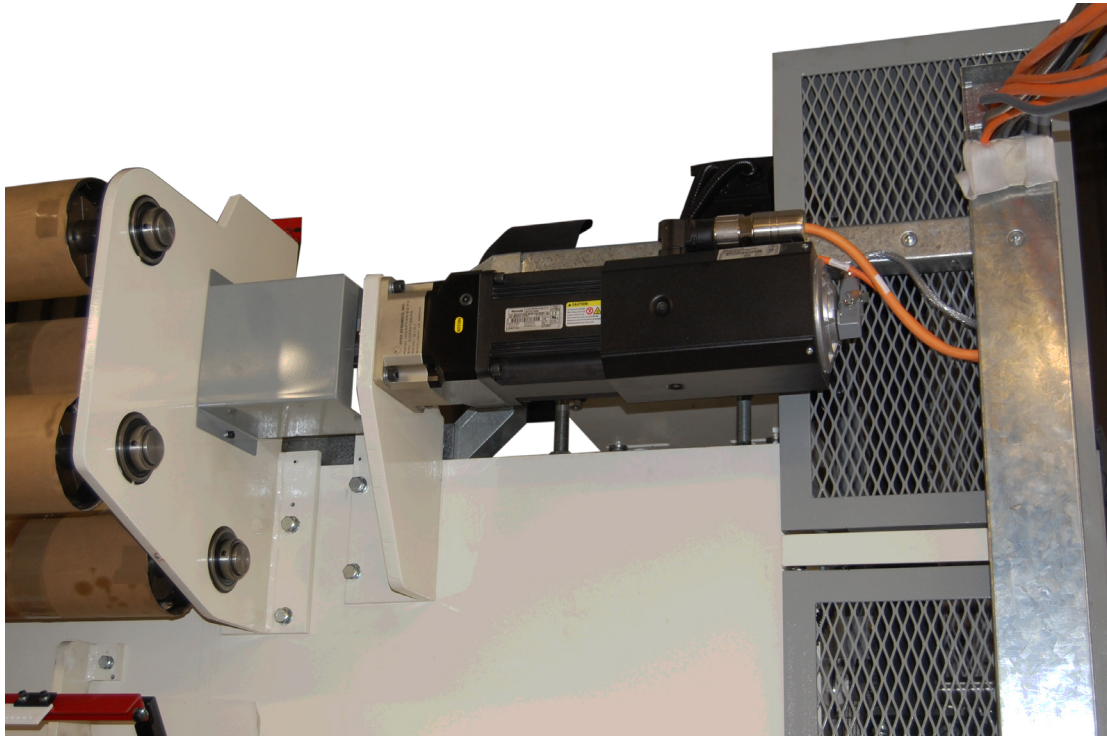
In product environment test, it is possible to change the needlestroke of a 5m machine in under 15 minutes.

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.

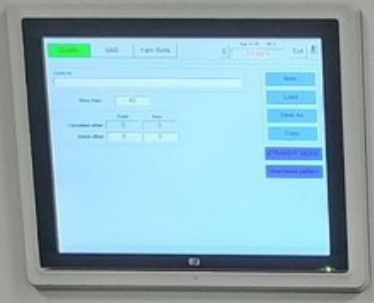


CONVERSIONS & ATTACHMENTS



TMS is know 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
- Safety conversions



ELECTRICAL PANELS & CONVERSIONS



One of the major issues within the industry globally is electrical obsolescence. All too often we hear customers struggling to source old obsolete electrical components they need to address ongoing problems.

Here at TMS we understand that there is not always the budget to simply replace a machine with a new machine when mechanically the machines are in great order. With our electrical teams deep knowledge of the industry and our close collaborations with well-known electrical component suppliers, we are able to address these obsolescence issues by supplying retro fit panels with brand new up to date technology that allow our customers to retain their current machines and at the same time be confident their electrical panels will be fit for purpose for years to come.



TUFTING MACHINEPARTS

Bearings, oil-lites, taper locks



Castings



Backing Bars



Knife Blocks



Gauge Parts



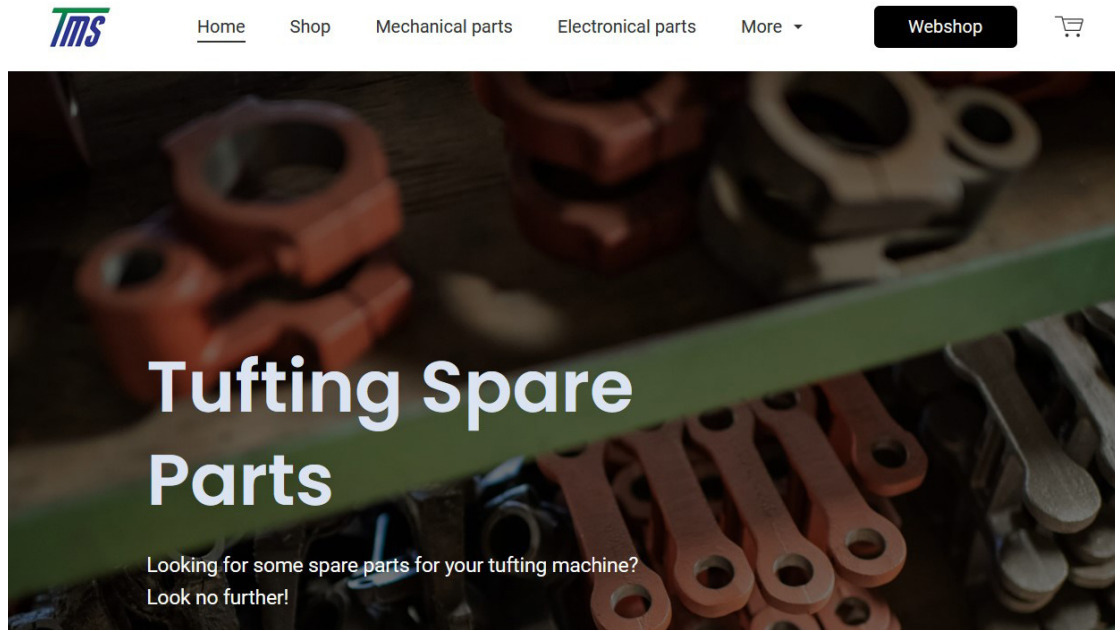
Here at TMS we carry a huge inventory of spare parts for all the major manufacturers enabling us to react quickly to our customer's needs.

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.



WWW.TUFTINGSPAREPARTS.COM



At LCM and TMS we carry a huge stock of machinery spare parts, both mechanical and electrical components for all existing brands of tufting machines.

To make this stock accessible to our tufting customers we are starting the online webshop: www.textilespareparts.com

Obsolescence is a big issue and keeping older machines going is vital to your production. Through our process of refurbishing tufting machinery, we collect lots of critical tufting machine components which could solve your problem in production.

On the website you are able to find the following categories of machine parts:

- Mechanical parts
- Electronical parts
- Gauge parts
- Tufting accessories

Visit our website or contact us for your specific requests!

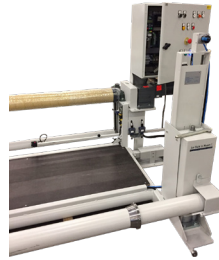


ANCILLARY EQUIPMENT

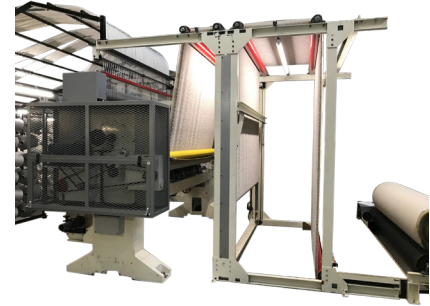
Creel



Backing Unwinder



Inspection Frame



Reroller / Lapper



Knife Grinder



New Knife Grinder



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)
- New Knife grinder (Linear system to grind a full set of knives in one time)



APPALACHIAN ELECTRONIC INSTRUMENTS



Tuftight LX

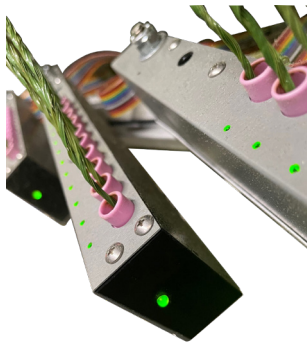
Employing the same detection principle as the industry-proven Tuftight Gen 1, reconfigured in a simpler, more integrated, and easier to maintain design. Set the angle of the yarn and adjust detection sensitivity with a unique rack-and-pinion mechanism. Select programmable stop delay for the entire rail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



Scannair 8X

Proven yarn-break detection technology for tufting.

The Scannair 8X provides effective yarn-break detection performance for all yarn types and sizes. Available for single or dual sided machine configurations.



Tuft X-100

A versatile single-end yarn monitor that detects broken ends, end-outs, and tight ends. Using patented optical technology, the TX-100 will monitor for tight ends and stop the machine before the break occurs (depending on yarn type). This translates into increased production and multiple machines per operator.

Single end yarn monitoring for Broken AND Tight ends. Because every Broken end was first a tight end.



ACCESSORIES - CREEL

Friction Tensioner



HDPE Tubing



Tube Rings (2 types)



Bobbin Holders



Eyelets Brass - Nylon - Ceramic



Taps



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
- Taps for finished rolls

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 BSC

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



Splicer Aribond

The Aribond splicer joins a vast range of yarns and dtex's. It can join high- or low-twist, S-twist or Z-twist on one chamber. Because it is printed, its body is light and designed to work in confined spaces. Which is beneficial for the operator that uses the splicer in the creel.



Splicer HS

- Automatic cutting of the yarn ends
- Interchangeable splice chambers
- dtex range: 500 to 6000

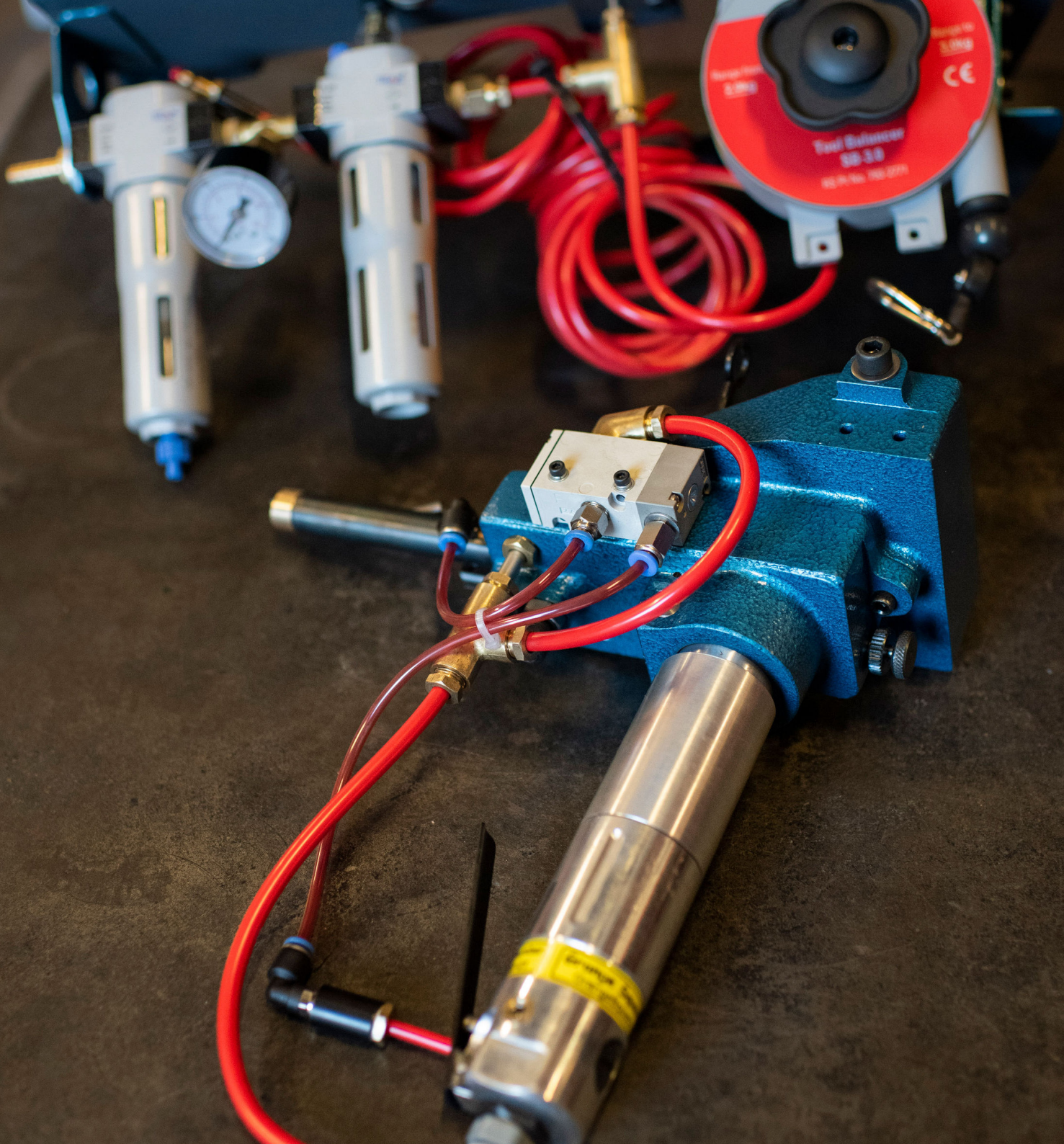
Grass wrapping system

In some circumstances, pneumatic splicing just won't work.

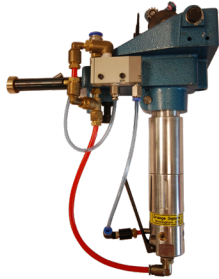
- Monofilaments
- Braided yarn
- Very heavily-sized or coated yarn
- Very high-twist yarn

Our customers needed an air-driven splicer which made joints in these problem materials. The wrapper delivers the answer. Two yarn ends are overlapped, and a fine auxiliary yarn is tightly wrapped around them and bound to produce a joint of high strength.





ACCESSORIES - MENDING GUN



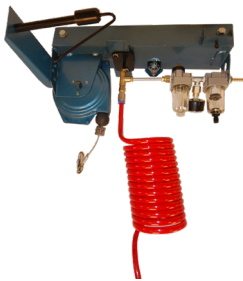
Mending Gun - Mk3

- 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



SECOND HAND CARPET MACHINERY



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, therefore 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.



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LOCAL AGENT



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