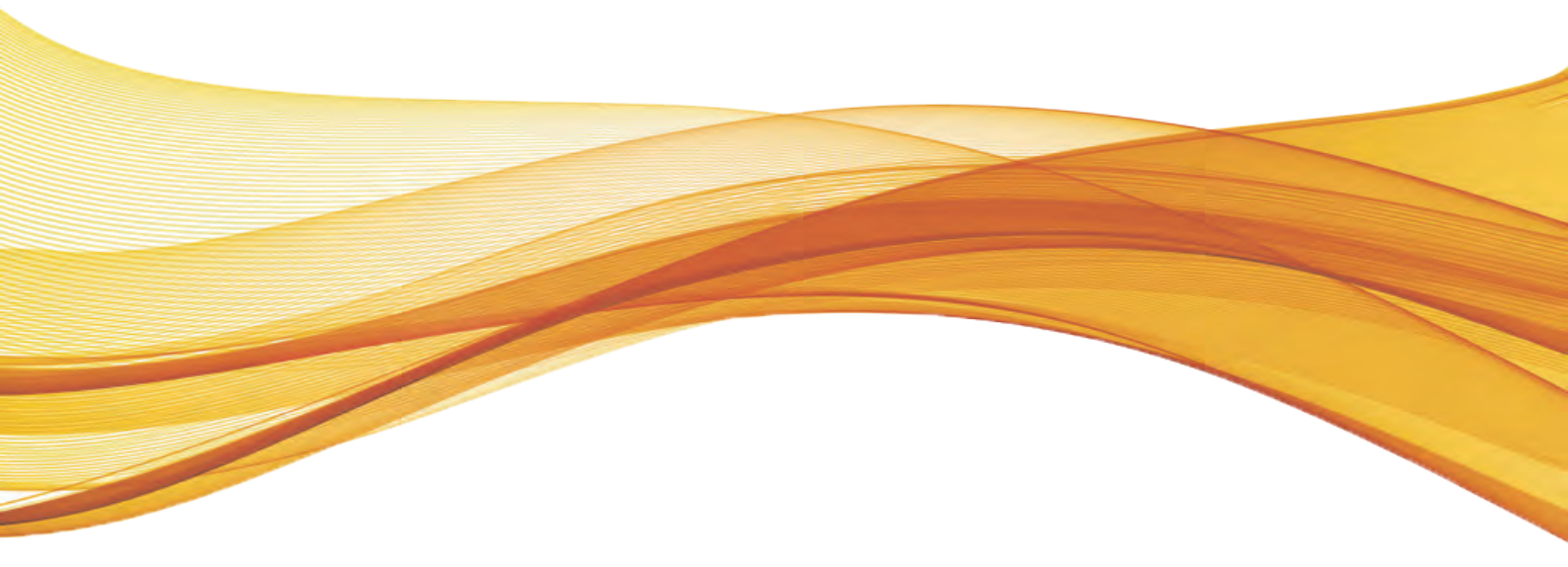


carpet coating & drying

Sellers
Textile Engineers



coating & drying plants

Sellers Textile Engineers, as leading suppliers of finishing equipment for the floor covering industry, focus on providing complete finishing solutions for all carpet, tile and artificial grass products. This is achieved with a combination of:

- Product knowledge
- Design flexibility
- Sound engineering
- Good technical service support

Sellers' range of finishing equipment is unrivalled with complete coating, drying and shearing lines for:-

- Tufted secondary backing, both conventional and powder lamination
- Woven finishing for Axminster and Wilton carpet
- Artificial grass
- Carpet foam backing and bath-mat products
- Tile coating lines for Bitumen, PVC and PU

The design flexibility allows finishing solutions to be targeted to customer and product requirements and all the equipment is manufactured, assembled and tested at Sellers. Details of the Sellers Shear can be found in the separate "Shearing" booklet.



finishing line control & monitoring

- Touchscreen line control via PLC
- Product tension set and controlled via transducers
- Direct mounted inverter drives
- Full diagnostics and fault finding facility
- Alternative of push-button control available



tufted

Tufted secondary backing lines can be configured to suit requirements, incorporating either direct spread and jute lock two-coat process or a single application. Also combined lines for secondary backing and foam coating are available.

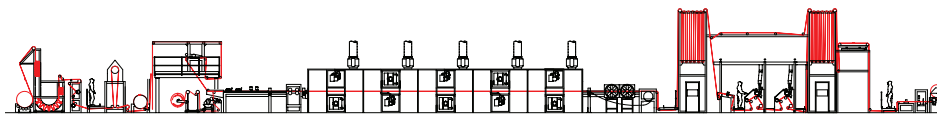
- A range of entry equipment is available including scrays, accumulators, cleaning, guiding and conditioning drums
- Bow and weft correction equipment can be incorporated with tension control systems
- Direct spread and lick roll applicators are available with full automated control
- Heavy duty vertical chain, pinned stenter, up to 5 metres wide
- Dual roll laminators with pressure control simplifies width adjustment
- True dual zone dryer, gas, steam or oil heated, with accurate air flow, impingement nozzles and temperature control
- Exit scrays, accumulators, overhead guiding, slitting, nip rolls, twin-bladed cross-cut and re-roll units



Twin Roll Laminator



Edge Sensors & Pinning Brushes



Typical Tufted Secondary Backing and Shearing line



woven

wilton, axminster, viscose and high-density carpets up to 2 million points
throughflow

Designed specifically to minimise investment for initial entry into the market

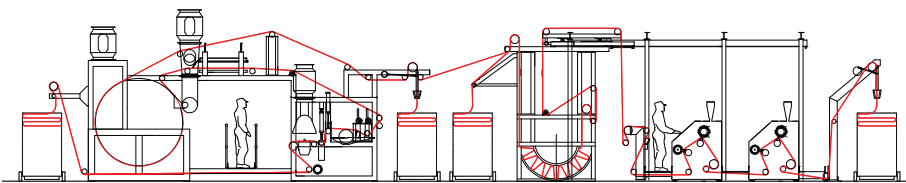
- Compact unit requiring minimum floor space
- Incorporating all the key elements for finishing
- Cleaning, basic back brushing or option of back & face brushing
- Back steaming with extraction canopy and fan
- Lick roll applicator, with adjustable settings
- Large diameter steam heated drum for efficient drying and carpet layflat properties
- Precision tension control via inverter drives and transducers
- Suitable for subsequent extension as factory output increases



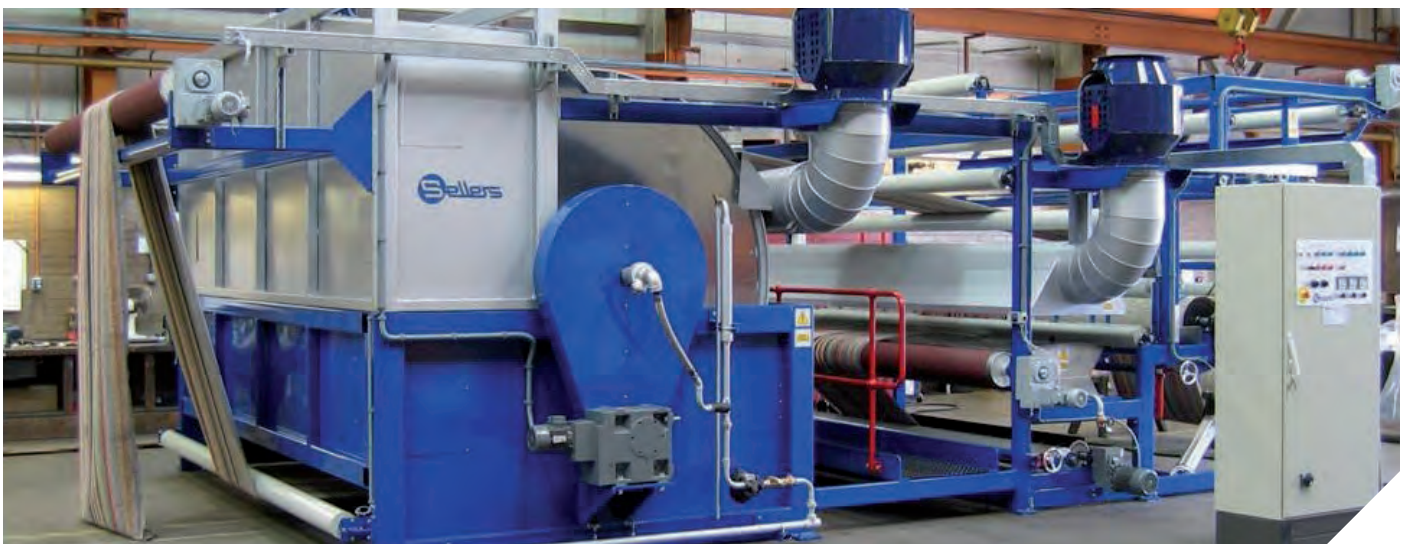
Throughflow & In-Line Shear



Applicator & Back Brush



Throughflow Woven Coating Line



high-capacity woven finishing lines

Incorporating all the key elements for finishing Axminster, Wilton, 1.5 to 2 million point and Viscose carpet including drying chambers to suit high-capacity throughput.

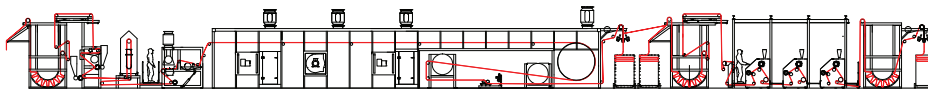
- Entry scrays with "no carpet" detectors
- Pivoted guiding units throughout the plant
- Dedicated back and face cleaning units, with full adjustment and extraction
- Vertical and/or chest steamers, allowing controlled back and face steaming for maximum product benefit
- Latex applicators with traversing feed and circulation system and full control adjustments to ensure latex penetration to anchor pile yarns
- Single zone dryer sections, with impingement nozzles and accurate temperature control, gas, oil or steam heated
- Large diameter steam drum for final drying and finishing to maximise carpet layflat and pile properties
- Cooling section with circulation fans and impingement nozzles either side of the product
- Complete tension control systems with the option of touchscreen plc, for optimum product control
- Exit scrays, overhead guiding, slitting and plaiting to suit customer requirements



Cleaning Unit with Extraction



Overhead Pivot Guider



Typical High Capacity Woven Finishing Line



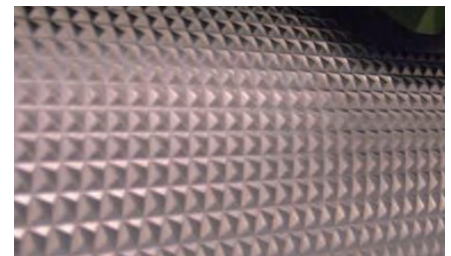
foam & bathmat coating

Foam and Gel Foam coating and drying lines for carpet and bath-mat products, widths up to 5 metres. Lines can be configured to suit processing of both foam and secondary backed products.

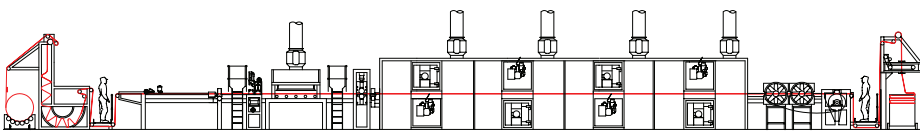
- A range of entry equipment is available including scrays, accumulators, cleaning and guiding
- Direct spread applicators for single and multi-width with segmented rollers, with manual or automated control
- Steam gelation units with extraction, for bathmats
- Pre-gel, electric or gas infra-red systems with temperature and width control
- Single roller, or 2/4 turret, embossing units, with precision gap setting and a range of embossed patterned rollers
- Heavy duty vertical, pinned stenter, up to 5 metres wide
- Single or dual zone dryer, gas, steam or oil heated, with impingement nozzles, accurate air and temperature control
- Exit scrays, accumulators, overhead guiding, slitting and plaiting or re-roll units to suit customer requirements



Dryer with Conveyor System



Patterned Embossing Roller



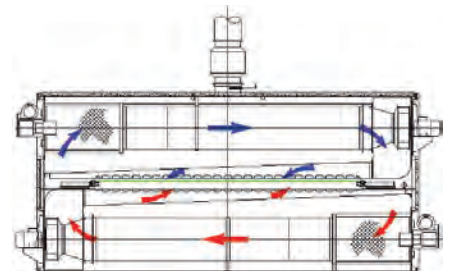
Simple Foam Coating Line



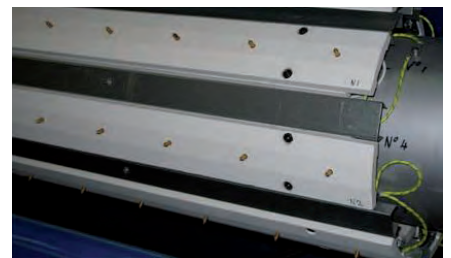
artificial grass

Complete coating and drying lines for artificial grass tufted products up to 5 metre wide. With alternate application systems to suit either latex or PU compounds.

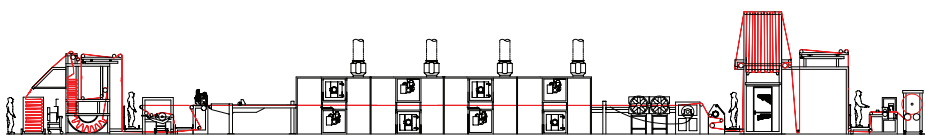
- Entry scrays either tracked or with overhead pivoting guiders
- Precision product tension control via inverter drives and transducers
- Direct spread and/or lick roll applicators dependant on product. Both systems with either manual or automated control
- Application systems to suit either latex or pu compounds
- Heavy duty vertical, pinned stenter, up to 5 metres wide
- True dual zone dryer, gas, steam or oil heated, with accurate air flow, impingement nozzles and temperature control
- Pinning units, with adjustable contact roller, electrically heated pins and temperature control
- Exit scrays, accumulators, overhead guiding, and slitting to suit customer requirements
- Simple twin roll or semi automatic re-roll units, with nip rolls, twin-bladed cross-cut and centre wind for precision re-rolling



Dual Zone Dryer



Pinning/Perforator Roller



Artificial Grass Coating Line



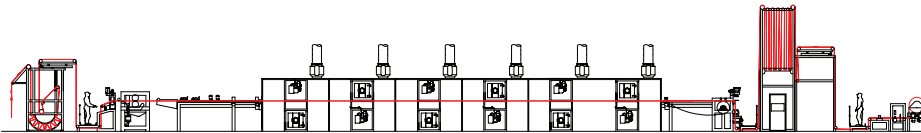
needlepunch

A range of formats available including full and/or partial impregnation to suit needlepunch products up to 5 metres wide.

- A range of entry equipment is available including scrays, accumulators, cleaning, and guiding
- Direct spread and/or full/partial impregnation application systems to suit a wide range of product types
- Heavy duty squeeze mangles with roller gap and pressure control to set the degree of impregnation
- Heavy duty vertical, pinned stenter, up to 5 metres wide
- Alternative of chain supported mesh conveyors, with tensioning rollers and guiding systems
- True dual zone dryer, gas, steam or oil heated, with accurate air flow, impingement nozzles and temperature control
- Cooling section with circulation fans and impingement nozzles either side of the product
- Precision tension control via direct mounted inverter drives linked to transducers
- Exit scrays, accumulators, overhead guiding, slitting, nip rolls, twin-bladed cross-cut and re-roll units to suit customer requirements



Pile-in / Pile-out Roll Up



Needlepunch Impregnation Line



powder & automotive coating

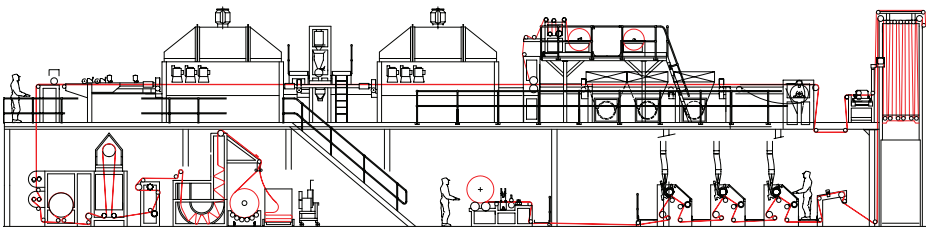
Sellers powder coating and laminating lines for tufted secondary backing, and automotive carpet, offer significant benefits over conventional latex systems.

Product benefits include:-

- Lighter, more flexible, crease resistant carpet for ease of handling and fitting
- Energy and space saving, significantly reduced power and heating requirements in comparison with conventional lines, floor area also reduced
- Maintenance and plant cleanliness: the elimination of drying chambers simplifies the cleaning and maintenance, having a more operator friendly environment
- Coating system: the sellers powder scattering head is designed to ensure accurate powder dispersal on up to 5 metre wide products
- The system is suitable for alternate types of secondary backing, such as felts, without loss of production



Powder Scatter Head



Tufted Powder Laminating Line



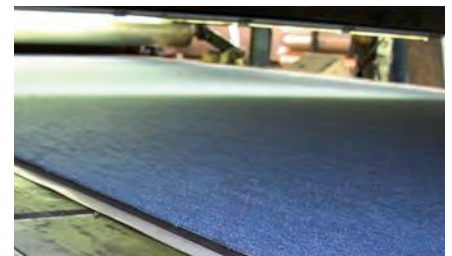
Segmented Laminating Rollers



carpet tile coating

Complete coating and curing lines for Bitumen, PVC and PU, with integral controls allowing cutting systems to be incorporated 'in line'.

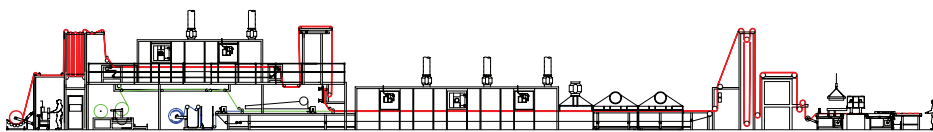
- Carpet and scrim feed with tension control and pivoting guiders for accurate presentation
- De-stressing chambers with transport conveyors can be incorporated with minimum additional space
- Twin applicators with precision, manual or automated gap and deckle control
- Alternate applicators available for bitumen, pvc and pu
- Ptfе transport conveyor over platens, heated or cooled, dependent on the product
- Accurate conveyor tension and guiding system maximises belt life
- Cooling or heated chambers, with automated temperature control, in combination with the platens ensure product is cured and cooled under controlled conditions
- Exit accumulators with driven carriage for tension control plus pivoting guiders for product presentation to in-line cutting systems



Cooling Platens



Scrim Feed & Bitumen Application



PVC Tile Coating Line



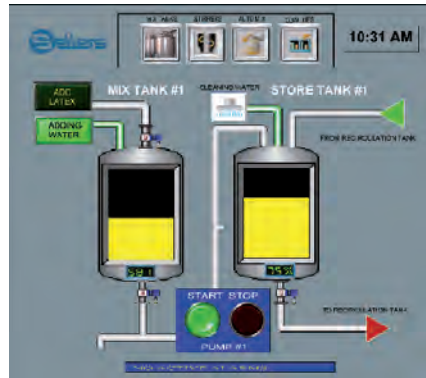
latex mixing

Automatic latex mixing and storage systems

- Touchscreen and plc control
- Recipe storage
- Pumps, flow meters and valves controlled via the plc
- Latex quantities monitored accurately using load cell mounted tanks
- Storage and mixing tanks fitted with agitators and stirrers



Mixing & Storage Tanks



Touchscreen Control



ancillary equipment

Available for new and existing finishing lines

- J-scays and accumulators
- Pivoting guiders
- Back and face brushing with full extraction
- Vertical or chest steamers
- Basic or semi automated re-roll



Cross-cut, Re-roll & Wrapping



Overhead Guider



Cleaning & Vertical Steamer



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