

Roll-Cutting, Slitting, Sheeting, Chopping & Digital Cutting Tables



- Roll/Log Cutters
- In-Line Slitting
- Roll Slitting & Sheeting
- Guillotines
- Waste Chopper Cutter
- Strip & Sheet Cutting

I2 EUROPE



About Us

We design, manufacture, supply and support roll handling machinery to many industries including Aerospace, Automotive, Marine, Filtration, Furnishings, Textiles, Composites, Plastics, Foam, Converters, Graphics and many more.

We offer bespoke machine solutions, especially for the roll entry and exit systems, thus providing a customer specific system for their projects.

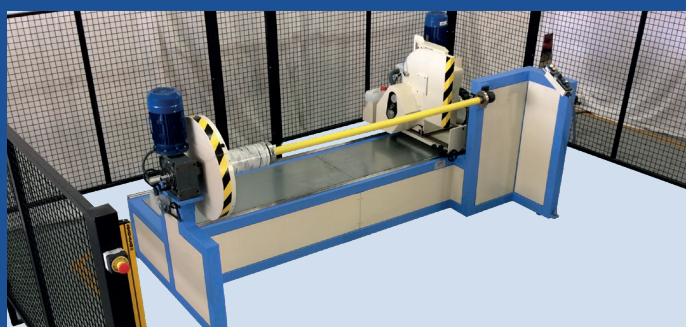
Our R&D demonstration facility is used for basic research and development of new techniques and ideas. Wherever possible, we allow clients to view and use our facilities to test preconceived ideas and concepts before buying.

We have qualified engineers throughout the country, offering excellent support services covering:

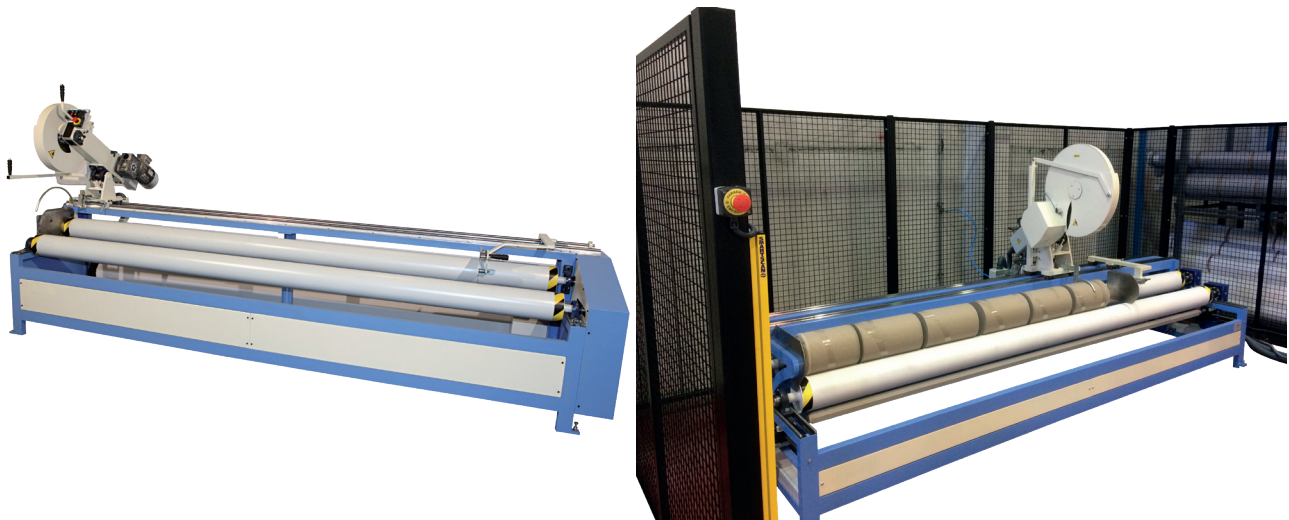
- Machine installation
- Machine servicing and breakdown support
- Machine modification

Let us provide the solution for your company, increase your production, help you diversify into more markets or achieve your long-term goals. Contact us today to discuss your specific requirements, it's not about what we have, it's what solution we can offer you.

Roll/Log Cutter/Slitter



ROLL/LOG CUTTER/SLITTER



Description

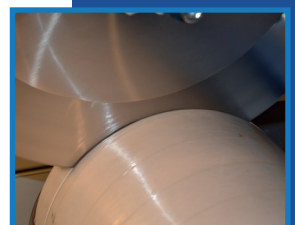
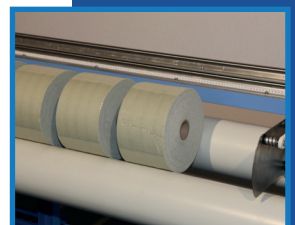
Roll cutting or slitting machine for cutting rolls into pieces, ribbons and bias etc. Various models available to handle roll diameters from 100-1000mm and 6,000mm in roll width. Equipped with optional motorized sharpener and blade lubrication system. Models available include manual, semi-automatic and fully automatic.

Useful For

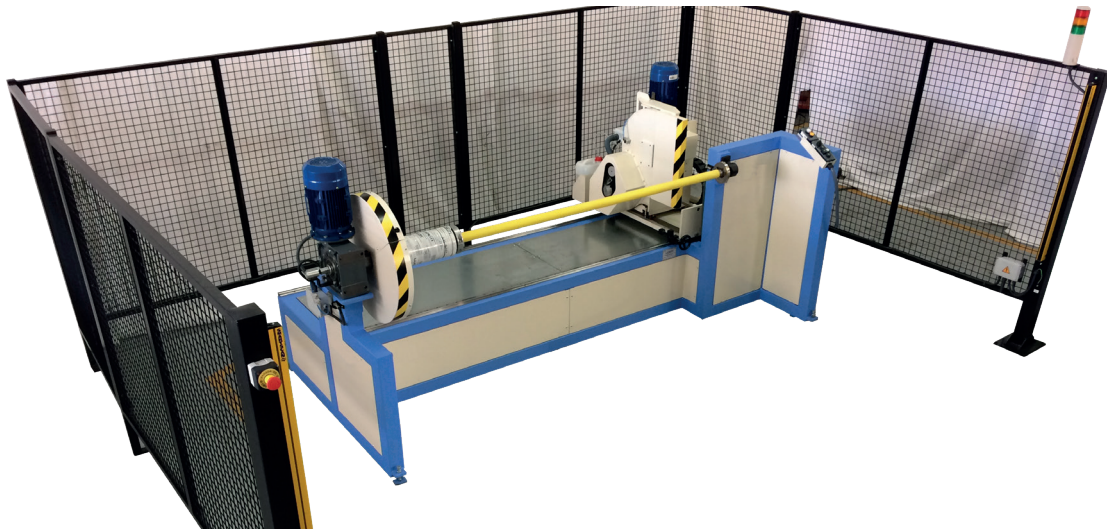
- Fabrics (cotton, synthetics and made of natural fibres) and Knitwear.
- Non-woven (polypropylene, felts).
- Fiberglass and Kevlar.
- Polymers and plastic materials.
- Quilting, stretch and 3D fabric.
- Knitwear.
- Technical fabrics.

Applications

- Bed Linen (sheets, pillows, pillow cases, eiderdowns, comforters, bedspreads, blankets).
- Mattress (mattresses, mattress covers, and protectors).
- Furnishing (Upholstery, sofa covers, curtains, blackouts).
- Fashion (sport and formal clothes, footwear, interlining, swimsuits, bikinis).
- Lingerie
- Bath Linen (shower curtains, towels).
- Table Linen (tablecloth, mats, napkins).
- Kitchen Linen (aprons, bread bags, tea towels).
- Technical Applications, Aeronautics and Automotive (Wind driven generator blades, fuselages, airbags, insulators).
- One use sanitary items.
- Canopies.
- Digital impression and banners.



AUTOMATIC ROLL CUTTER WITH SPINDLE/AXLE



Description

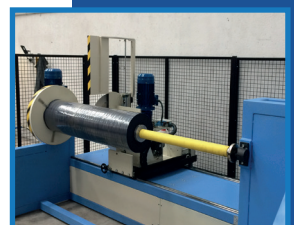
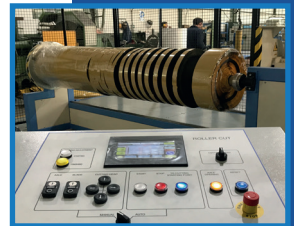
High precision roll cutting or slitting machine with axle. For the cutting of ribbons, and bias. For rolls up to Ø500mm and working widths up to 2.500mm. Equipped with sharpener and blade lubrication system. Automatic and manual models.

Useful For

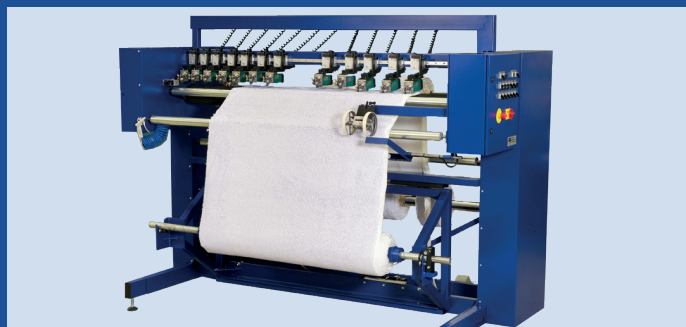
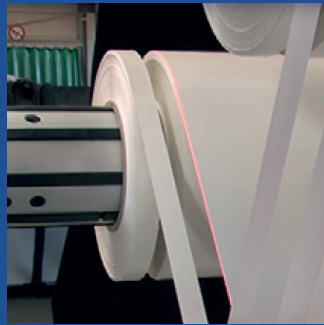
- Fabrics (cotton, synthetics and made of natural fibres).
- Knitwear.
- Non-woven (polypropylene, felts).
- Polymers.
- Technical fabrics (fiberglass, Kevlar).

Applications

- Bed Linen (sheets, pillows, pillow cases, eiderdowns, comforters, bedspreads, blankets).
- Mattress (mattresses, mattress covers, and protectors).
- Furnishing (Upholstery, sofa covers, curtains, blackouts).
- Fashion (sport and formal clothes, footwear, interlining, swimsuits, bikinis).
- Lingerie
- Bath Linen (shower curtains, towels).
- Table Linen (tablecloth, mats, napkins).
- Kitchen Linen (aprons, bread bags, dishcloth).
- Technical Applications, Aeronautics and Automotive (Wind driven generators blades, fuselages, airbags, insulators).
- One use sanitary items.
- Canopies.
- Digital impression and banners.



In-Line Slitters



IN-LINE SLITTER



Description

In-Line Slitter for the exact and neat slitting of fabric, felts, foil, film and paper rolls etc. From one wide roll you can make several narrow rolls by rewinding and slitting. The In-Line Slitter with excellent design, build quality and is compact. The entry system features a braked pay-off shaft located in the lower part and the two power driven winding shafts in the upper part.

A pneumatically regulated brake fitted to the unwinding shaft takes care of constant web tension during the winding process. The brake is automatically be regulated by an ultrasonic sensor for the reel diameter. Web guide rollers ensure a steady flow of the roll and a straight edged rewinding.

Slitting is performed either by swivelling roller cutters acting on a hardened drum or by cutter blades, depending on the material.

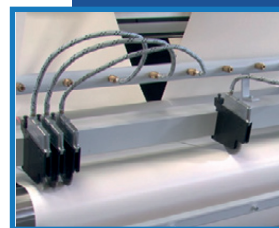
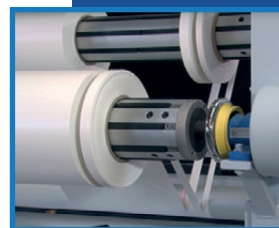
The operating speed is infinitely variable and can be set at the geared motor. Tilting bearings and pneumatic clamping of the winding shafts make for easy handling and short setup times. Length selection by electro-mechanical meter counter is possible. Electrostatic charging of the foils and films is eliminated by two ionizing bars.

Features

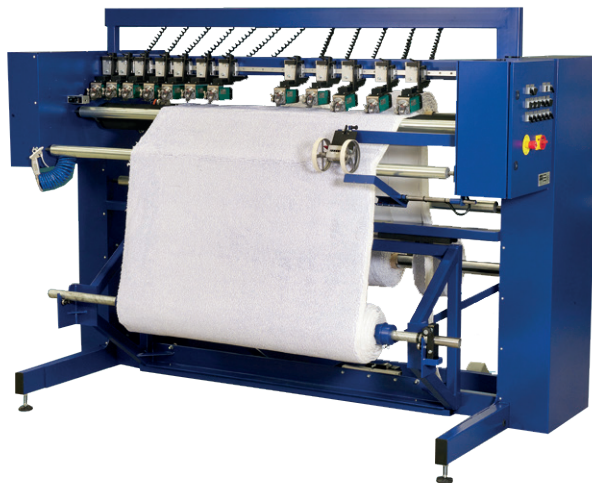
- **Exact Laser Guide Light:** Positioning of roller cutters by means of laser guide light
- **Longitudinal Cutting:** Exact slitting and rewinding of foil and paper.
- **Roller Knives:** Pneumatic roller knives cut on glasshard drum.
- **Short Set-Up Times:** Thanks to tilting bearings and pneumatic clamping shafts.

Applications

Fabric, felts, foils, plastic films, PVC films, copper foils, papers, aluminium foils, laminates and much more



WIDE FORMAT IN-LINE SLITTER



Description

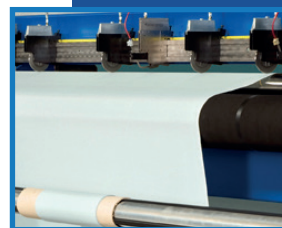
Driven slitters are used to divide a single roll into two or more smaller rolls, or to trim the selvage from the roll. This way the finished roll(s) can be used immediately in another process, such as vertical blinds production, which then no longer requires the length cuts to be made.

Features

- Fabric width up to 4000mm.
- Maximum roll diameter 500 mm (larger on request).
- Maximum roll weight 250 kg (rolls up to 1000 kg on request).
- Up to 30 adjustable slitting knives.
- Available cutting systems: cold crush cutters, heated knives, rotating knives, stationary knives, or ultrasonic cutters.
- One or two driven winding shafts, optionally pneumatic controlled and with safety chuck.
- Edge control system.
- Optional back lighting.
- Programmable length measurement.
- Cross cutter.
- Power supply 208/230V, 50/60Hz, 2 kW, 6 bar air supply.

Applications

Textiles, non-wovens, felts, needle felts, plastics and much more.



MINI IN-LINE SLITTER



Description

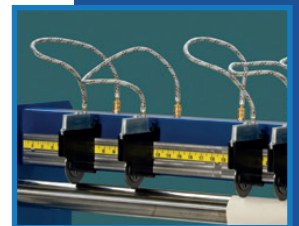
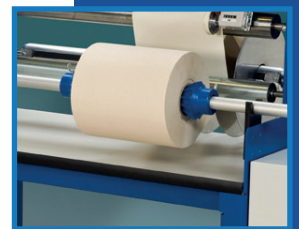
The mini slitter is a small scale/narrow width slitter allowing you to slit narrow width rolls and substrates.

Features

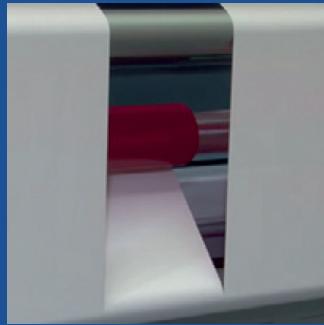
- Compact, low-cost design.
- Crush cutters or heated knives.
- Variable Speed Control.
- Single pneumatic winding shaft.
- Optional length measurement system

Applications

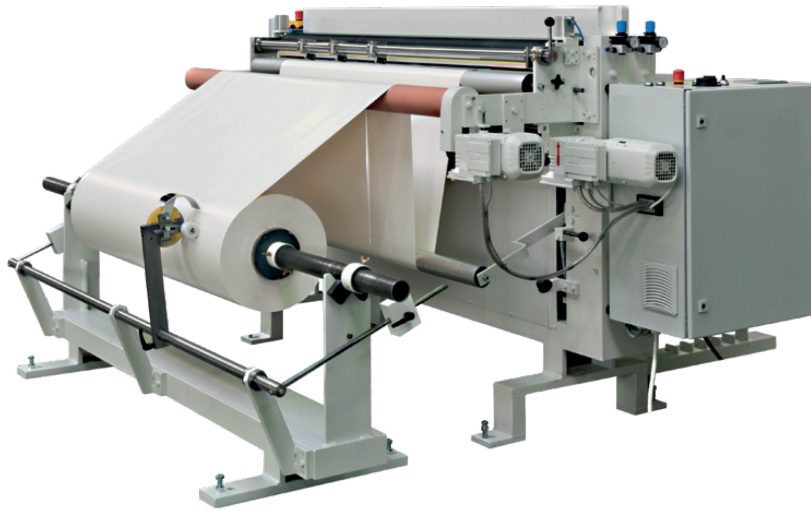
Textiles, non-wovens, felts, needle felts, plastics and much more.



Roll To Roll/Slitting Sheeting & Cutting



ROLL TO SHEET CUTTER/SLITTER



Description

Roll to Sheet Cutter/Slitter is made for the automatic cutting of roll materials to final size. The machine reliably cuts a variety of materials up to a thickness of approximately 1-3 mm, e.g. fabric, felts, furniture foils, plastic films, papers, laminates, PVC films, aluminium and copper foils, etc.

The required length of cut as well as the number of cut pieces can be set via the control panel. The amount of tension is controlled by the pay-off drive in conjunction with a dancer roll. Feed speed is variable. To ensure high cut-to-length accuracy the feed unit is equipped with a pole-changing brake motor.

The top knife of the Roll to Sheet Cutter/Slitter moves against the stationary bottom knife in a shearing action. The drive unit for the top knife consists of a brake motor, a gear, a crank mechanism and a rupturing diaphragm. Cut pieces are stacked on a collecting table that can be adjusted in height and angle. An air rail on the out-feed side assists the stacking operation for long cut-to-size pieces.

If required, two ionizing bars for eliminating the electrostatic charging of the foil can be fitted at the outgoing side of the Roll to Sheet Cutter/Slitter.

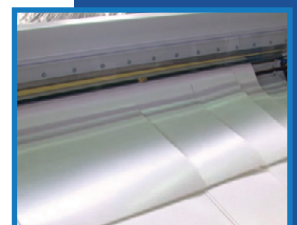
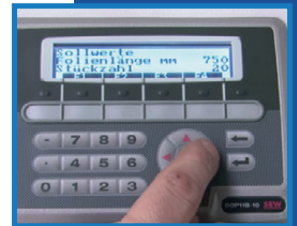
The slitting unit at the infeed drum consists of three laterally adjustable holders with cutter blades. A slitting unit with circular knife on the roll stand is also available. Slitting and cutting to size take place in a single pass. The roll stand is also available in a version designed to take several rolls.

Features

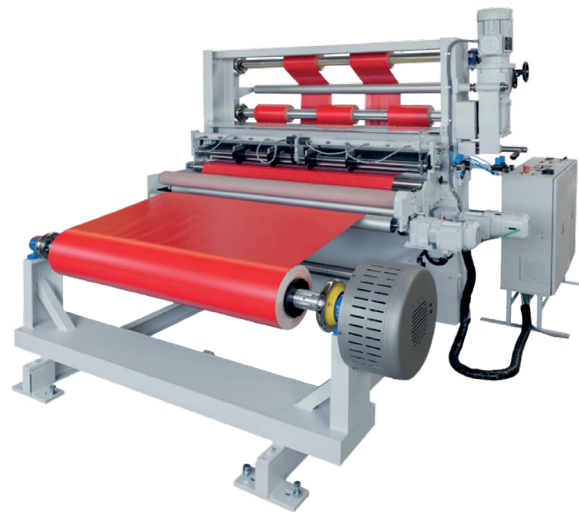
- **Electronic Control:** The required length of cut as well as the number of cut pieces can be set at electronic counters.
- **Longitudinal Cutting:** The slitting unit at the roll suspension frame divides the roll at the unwinding.
- **Cross Cutting:** The material passes through the machine to the cross-cutting unit. The top knives move against the stationary bottom knife in a shearing action.
- **In One Pass:** Slitting and cutting to size take place in a single pass.

Applications

Fabric, films, felts, foils, plastic films, PVC films, copper foils, papers, aluminium foils, laminates and much more.



ROLL TO ROLL/SLITTING SHEETING & CUTTING



Description

Our Roll to Roll/Slitting Sheeting & Cutting brings flexibility for your roll cutting, it allows cutting across the running direction with top and bottom knife. Longitudinal slitting by pneumatic cutters on a hardened roller. A Roll suspension frame carries rolls of max. 650 mm outer diameter and 500 kg weight, equipped with a pneumatic winding shaft for 76 mm inner diameter, two tilting bearings, and a pneumatic brake.

The machine offers an optimum cutting performance for creating sheets thanks to continuously adjustable speed of feed up to 2 m/min, high cut-to-length accuracy thanks to frequency-controlled drive for the feed with adjustable acceleration and deceleration, reselection of lengths and number of pieces at electronic counters.

Two ionizing bars prevent any electrostatic charging. The rewinding unit has two pneumatic clamping shafts, driven by a rotary current motor with constant speed. The web tension is controlled by a brake at the roll suspension frame. The limit stop works with a pre-settable length counter. The collecting table for a maximum length of cut up to 2,000 mm, adjustable in height and angle makes the Cross and Longitudinal cutting system so flexible.

Can also be supplied with many different options, further details available upon request.

Features

- **Cross Cutting:** Optimum cutting performance for creating sheets. Saves material and money.
- **Cross & Longitudinal Cutting:** Efficient, precise cross and longitudinal cutting and rewinding in one working operation.
- **Longitudinal Cutting:** The finished material meets high quality demands.
- **Easy Adjustment:** The pneumatic roller cutters for a range of tasks can easily be adjusted.

Applications

Textiles, fabrics, foils, plastic films, PVC films, copper foils, papers, aluminium foils, laminates and much more.



Guillotines



HIGH CAPACITY POWER GUILLOTINE



Description

The High-Capacity Power Guillotine cuts paper, plastic film, cardboard and other materials. Cutting forces are reliably absorbed by the rugged steel and cast iron construction.

Material stacks are cut quickly and cleanly. The High-Capacity Power Guillotine is user friendly and reliable, and it enables a high level of productivity.

The positioning controller for the parallel fence features a width gauge, a numeric keypad, a cut counter and push buttons for selecting the various operating modes. Dimensions are adopted automatically when the start button is pressed.

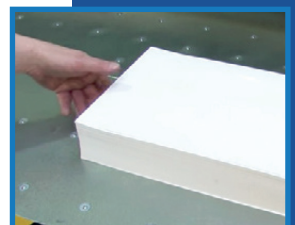
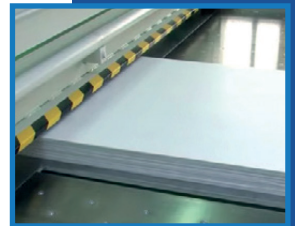
Ergonomic Large air cushion tables with stainless steel surfaces facilitate movement of heavy material.

Features

- **Exact Laser Guide Light:** The green LED guide light clearly marks the cutting position.
- **Simple Operation:** Parallel fence with high-speed motor-driven positioning and a digital width gauge. The positioning control system can store up to 99 dimensions.
- **Exact Cuts:** Long angular fences on the right and left for exact cuts. Hydraulic pressure bar with 2 pressure settings for holding the material stack securely on the machine table.
- **Powerful Drawing Action:** Pre-finishing cut ensure neat and rectangular edges when cutting thick materials.
- **Practical Air Cushion Tables:** Air-cushion tables for easy movement of heavy stacks. Intermittent operation of the quiet drives.
- **Maximum Safety:** Occupational safety regulations met by a light barrier, safety orientated electric control system and mesh guards.

Applications

Veneer, PVC, all plastic, polystyrene, acryl, honeycomb boards, papers, plastic films, cardboard and much more.



SINGLE KNIFE CUTTER GUILLOTINE



Description

The Single Knife Cutter Guillotine is perfectly designed for quick and effective cutting to length of material packages. Due to the vertical movement the knife cuts without tearing. The machine has a slim frame and thus the material and the cutting edge can be monitored from all sides. Easier workflow with the green guide light indicating the cutting line clearly and the two tape lines to measure the length. During the cutting process, both the pressure bar and knife are lowered simultaneously. Brake motor, gear unit and crank drive enable quick and powerful knife movements. The cutting process is triggered by a two-hand push-button switch. The machine is operated on the left or right side of the cutting line.

Features

- **Exact Laser Guide Light:** The green LED guide light clearly marks the cutting position.
- **Positioning Control System:** For diverse modes of operation and storable program operations.
- **Precise Knives:** Cuts of high quality thanks to the swinging and powerful drawing motion of the knives at an angle of approximately 20°.
- **Maximum Security:** Occupational safety regulations are met by a light barrier safety device, electric safety control system and swivelling protective gratings.
- Parallel fence with high-speed motor driven positioning, fine adjustment, and digital gauge for cutting parallel face veneers and edge lippings.
- Guide markings and an angular fence on the machine table for easier alignment of the material.
- Broad pressure bar for pressing even wavy materials and level prior to cutting.
- Finishing cut facility with hydraulic adjustment of the cutter bar by 0.9 mm. Pre-cutting and finish-cutting of the pressed material produces right-angled cut faces.
- Powerful crank drive enables the cutting of veneer across the grain.
- High pressing and cutting forces are reliably absorbed by the heavy-duty construction.
- Intermittent operation of the drives results in a low energy requirement and a low level of noise.

Applications

Veneer, PVC, all plastic, polystyrene, acryl, honeycomb boards, papers, plastic films, cardboard and much more.



DOUBLE KNIFE CUTTER GUILLOTINE



Description

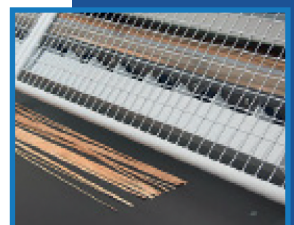
Stack cutter for veneers, paper, boards and many other rigid substrates. The pack is placed on the machine table and up against the limit stop. The rear cutting line is clearly marked by a guide light and the front cutting line by an adjustable optimization laser. Hence the cutting lines of the two knives and the resulting veneer waste are visible. Once the cutting width is selected, the cutting cycle is executed automatically: The table moves into cutting position, the pressure bar clamps the veneer pack in place, the top and bottom knife cut both sides ready for jointing, and the table returns to the alignment position. Pre-cutting and finish-cutting are possible for high-stress veneer. Veneer strips are cut only with the top knife in incremental mode.

Features

- **Exact Laser Guide Light:** The green LED guide light clearly marks the cutting position.
- **Positioning Control System:** For diverse modes of operation and storable program operations.
- **Precise Knives:** Cuts of high quality thanks to the swinging and powerful drawing motion of the knives at an angle of approximately 20°.
- **Maximum Security:** Occupational safety regulations are met by a light barrier safety device, electric safety control system and swivelling protective gratings.
- An adjustable optimization laser reduces the amount of scrap.
- Simultaneous cutting by the top and bottom knife results in fast production cycles.
- The machine has a cutting capacity of approximately 2-3 packs per minute. Optional up to 5 packets. This includes inserting, aligning, cutting and removing the material.
- Precise and permanent parallel guidance of the pressure bar and table.
- Rugged design of all machine components. The high pressing and cutting forces are reliably absorbed.
- The top knife, bottom knife and protective coverings are of identical size and can be interchanged.
- Good knife economy thanks to a grinding allowance of 30 mm.
- Intermittent operation of all the drives results in a low energy requirement and a low level of noise.

Applications

Veneer, PVC, all plastic, polystyrene, acryl, honeycomb boards, papers, plastic films, cardboard and much more



CROSS-CUTTING GUILLOTINE



Description

Cross-Cutting Guillotine is perfect for quick and neat cutting to length of materials, packs, rope, rubber etc. Tear-free cutting is assured by the powerful, vertical operation of the knife. Due to the narrow construction, the cutting area can be perfectly monitored. The picture shows the machine with the bezel of the knife on the right for working from left to right. This machine is also available with the knife bezel on the left.

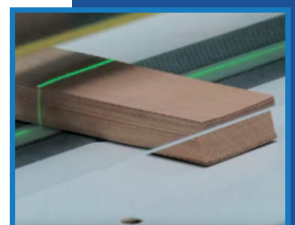
All our cutting machines offer the highest degree of precision, combined with functionality and safe operation. Moreover, they are also extremely robust and long-lasting. The Cross-Cutting Guillotine is equipped with worktables on both sides, variable throughput speed, a special chalk marker for the cutting area and a line laser for easier alignment of the material packages. On customer request, we offer the cutting machine turned by 180 degrees with the blade attached on the left.

Features

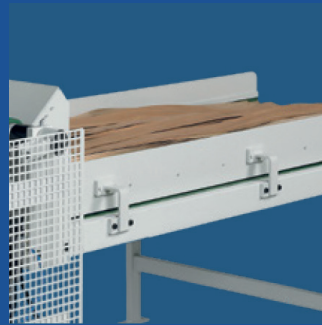
- **Maximum Safety:** The machine is equipped with a safety orientated electric control system, a plexiglass shield and plug-in type angular stops.
- **Easy Operation:** The cut is actuated by a two-hand pushbutton control. Lengths are indicated on 2 measuring tapes.
- **Powerful Drawing Action:** Quick and powerful operation of the knife is assured by a brake motor, gear unit and crank drive.
- **Exact Laser Guide Light:** A green light beam of the Cross-Cutting Guillotine clearly indicates the cutting line.

Applications

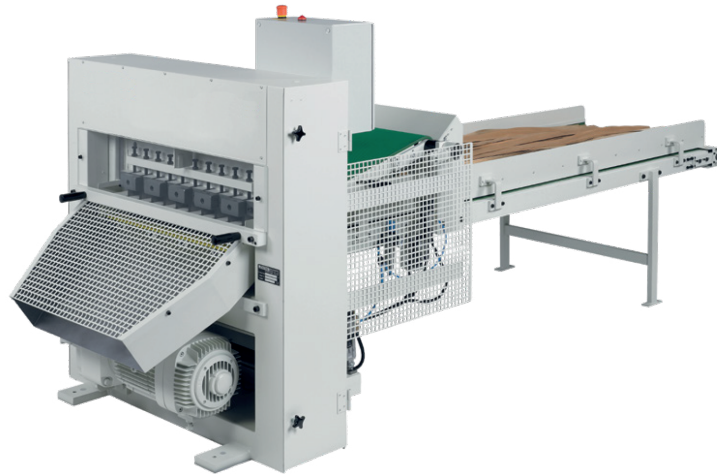
Strip materials, rope, wire, veneer, PVC, all plastic, polystyrene, acryl, honeycomb boards, papers, plastic films, cardboard and much more



Waste Chopping



WASTE CHOPPER



Description

The Waste Chopper is a low noise chopping machine for waste strips, trimmings etc. Wire, rubber, rope and other scrap produced in the course of cutting to size can be put to uses. Conventional rotary refuse grinders are unsuitable, however, for the chopping of veneer (high level of noise, veneer stripes become tangled).

Machine loading and unloading can be adapted to the specific conditions of production. A vacuum extractor unit can be installed on the slide. Chopping reduces the volume of the waste by about half, i.e. chopped waste needs about 50 % less space for transporting and storage. It is an advantage to use a long feed conveyor to collect the waste from several cutting machines. The chopping machine's conveyor can be lowered on request to enable near floor level feeding.

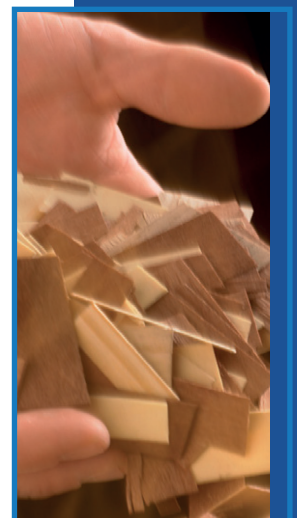
The waste is put on the chopping machine's conveyor, which transports it to the cutting zone in stepping mode. Chopping is performed by a cross blade and 10 longitudinal blades working against a cutting bar in continuous up-and-down operation. The Waste Chopper features a powerful knife drive system with brake motor, gearing and lateral crank drives. Hood guards prevent accidents, and a rupturing diaphragm device protects the machine from overloading.

Features

- **The Slide:** A vacuum extractor unit can be installed on the slide.
- **Ergonomic:** The chopping machine's conveyor can be lowered on request to enable near floor level feeding.

Applications

Fabric, felts, foils, rubber, veneer, PVC, all plastic, polystyrene, acryl, honeycomb boards, papers, plastic films, cardboard and much more.



Cutting Table



SINGLE PLY CUTTER



Description

The Single-Ply Cutter series is the fourth generation of the proven cutters which has been completely overhauled and optimised. It is noted for the individually optimised cutting head with a programmable Z-axis. The machines are all designed for maximum productivity and optimum production quality. The tool technology can be adapted individually and precisely to the respective material.

This means that optimum cutting conditions are always achieved. The fourth generation is equipped with Multiflex tool adaptation. As well as offering extremely short plunge times, this system also offers a persuasive choice thanks to the fast positioning and cutting speeds. In addition, the tool-change system reduces the set-up times considerably because fewer adjustment operations are required.

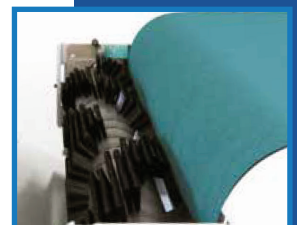
The cutter achieves positioning speeds of up to 100 metres per minute and, depending on the type of material, the cutting speed is up to 70 metres per minute. The machine is optionally available with a 7.5 or 11 KW vacuum pump. The standard user interface and menu navigation ensures that the machine operator can quickly get to grips with the machine across a range of technologies. Operating errors and the cost of training are drastically reduced. Even at high speeds, the machine cuts consistently and reliably. The mobile and innovative control system is very user-friendly.

Benefits

- Speed
- Fast tool change
- Short setup times
- Mobile operator terminal
- Outstanding cutting quality
- Smooth operation
- Long lifespan
- Easy to service
- Easy to operate

Applications

For the cutting of textile materials, technical textiles, films, leather, plastics, glass fibre, carbon fibre, honeycomb material and special materials. Fast and flexible options are provided for a variety of parts.



MULTI LAYER CUTTER



Description

In many areas of the manufacturing industry, the demands of an expanding global market led to the innovation of existing processes. In many cases, this means shifting tasks that were previously done by hand to machines. This requires a machine technology which is powerful enough to increase the level of productivity already achieved, but at the same time is simple enough to pave the way for even beginners to embrace automatic cutting. We have delivered this requirement with the TexCut series.

Benefits

- Bristle belt with 2.2 m, 3.5 m or 4.5 m cutting window permits optimum adjustment to the size of the parts and cut files.
- Excellent cutting quality, also for cuts, difficult contours and hard materials due to automatic compensation of the knife bending (option: smart knife).
- High cutting speed guarantees highly effective output even for single plies.
- Reduced energy consumption thanks to economic vacuum unit, vacuum output is optimally controllable (option).
- Easy to operate thanks to fully developed operator guidance.
- Easy to service thanks to standardised components, low maintenance.
- Fast and straightforward change of knife and cutting head thanks to patented service position.
- Automatic parallelism monitoring – no subsequent manual alignment of the layer package.
- Automatic plausibility check – prevents faulty cuts if an operating error occurs.
- Re-sealer for a better vacuum (option).

Applications

For cutting technical textiles and special materials such as foils and veneers, aramid, carbon and glass fibres, prepregs and insulation material, sports and leisure products. For sample production and mass production in the clothing, furniture and automotive industries and in many other branches of industry.



ALSO FROM I2 EUROPE



Product Categories

- Adhesives
- Batching & Inspection
- Bonding & Lamination
- Coating
- Compact Shredders
- Digital Cutting Tables
- Digital Printing Solutions
- Embossing & Debossing
- Industrial Shredders
- Packaging
- Plastic Recycling
- Powder Scattering
- Recycling
- Roll Exit & Winding
- Roll Feed & Unwinding
- Sampling Machines
- Silos
- Software
- Spreader Cutters
- Stacker
- Stenter
- Sublimation & Fixation
- Tape & Ribbon Cutters
- Textile Recycling
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- Vacuum Heat Press





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