

JARSHIRE

Paper and Tissue Mills Division

Helping sculpt your paper & tissue future



Jarshire is a family business formed in 1979 and, with an extensive product portfolio of equipment from world-leading manufacturers, has developed into a single-point source serving the paper and tissue mill markets.

Representing the interests of these manufacturers, each a leader in its field, provides the basis for a complete service to be offered, from equipment supply and installation to commissioning, operator training, service and maintenance, and the supply of replacement parts.

In addition to new equipment, this in-depth industry experience and the proven expertise of our principals also enables us to undertake assessments of existing production lines leading to the recommendation and retro-fit of ancillary equipment to improve throughput, quality, efficiency and safety.

Today, the Paper and Tissue Mills Division, together with the Converting Division and Corrugating Division, enable Jarshire to offer a comprehensive supply and maintenance service across a wide market sector where, sometimes, there is a crossover and merging of product lines.



ABB France – Cellier Activité

Coating, colour and starch kitchens Stock preparation products

LHP Filtercel™ is particularly suitable for the filtering of high-requirement and varied preparations such as pigmented coating colours and starch solutions. The optimal filtering quality helps to significantly reduce the number of paper breaks on the machine as well as maintenance costs.

Dispercel™ has the dual function of dispersion and homogenisation for batch processes. Advantages include:

- High shearing rate and stable particle suspension
- Adaptation of the speed dispersion to the product type and dispersed volume
- Stable construction ensuring measurement repeatability.
- Compact and rigid shaft guiding device without mechanical packing

Solaronics SA

Infra-red drying systems

Gas infrared emitters, GemE and GerE, benefit from two high-technology screens that deliver higher infrared efficiency manufactured from a solid ceramic material known for its excellent mechanical properties. The emitters are optimised to operate at high temperatures.

The UniDryer® V2, developed specifically for the paper and board industry, is designed for drying and profiling after size press and coating stations. It has the highest energy efficiency and longest emitter lifetime available.

Espo srl

Slitting modules

Slitting modules – the complete solution for on-line integration into the cutting line, rewinder, slitter/rewinder, sheeter or cutting machine. Manual or fully-automatic, systems can be fully customised and are designed to improve slitting quality, reduce slitting problems and minimise set up and maintenance time.

Knifeholders

Pneumatic knifeholders for shear, crush and razor cutting have been designed for operating in harsh conditions. Patented knife flange ensures correct pre-load on the counter edge during the cut.



ESPO SLITTING MODULE

Dotec BV

Reel handling equipment

Operator-friendly LiftAssist® rotary action and single action handlers are sized and tailored to specific applications. The central feature of LiftAssist is an ergonomic handle that moves freely, allowing the user to keep his eye on the load while a mere finger-touch determines both direction and speed.

The RH-T500E pneumatic roll handler for the paper, packaging and tissue industries is designed for lifting and turning mother rolls or slit rolls. The light-moving powered rail system allows a single operator to handle these rolls without any physical strain.

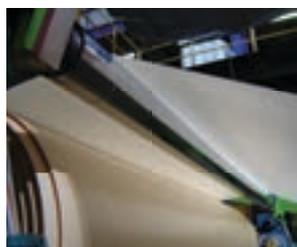


Tecnomec3 srl

Spreader rollers

Spreader rollers for tissue machines, size presses, coating machines, press sections, popes, cutters, re-reeling machines, calenders-super calenders, winders, felt presses. Designed to eliminate creases and wrinkles from the material being processed and prevent interweaving of slit widths of material in slitting applications.

- Curved with rubber covering
- Curved metal
- Adjustable bow curved
- Cordex rollers with wooden or steel base tubes
- Rollers with internal cooling and automatic greasing



Officine Airaghi srl

Stainless Steel Refiner Products

Refiner products include discs milled on one or both sides; short conical fittings (Conflo type) cast in mono-block or segments; low conical fittings (Jordan type) cast in mono-block; short conical fittings with wide angle (Clafin type) cast in mono-block or segments.

Deflaking products include pierced discs with diameters from 250 to 600 mm; toothed rims with diameters from 270 to 950 mm; deflakers cast in mono-block.

Also, screen plates or sectors for pulpers and turbo-separators; sleeves for shaft protection; impellers and shafts for pumps; pulper and turbo-separator impellers and rotors; screens with narrow slots/holes; cleaners in Plexiglass in stainless steel or with hard fillings.

Renova srl

Roll pushers

Moviroll roll/reel pusher enables large and small cylindrical rolls to be manoeuvred effortlessly on a flat surface and then place them on the roll stand shuttle cart. Two models are available, each with two different handle configurations. Battery-operated versions allow free movement without constraints of electrical cables.

Brakes

Turborex: multi-disc system with double fan ventilation.

Turborex Selematic: revolutionary system automatically finds and applies necessary torque to multiple discs.

Combirex CX250: mono disc, multi-caliper achieving maximum torque of 960 Nm.

Powderex: magnetic powder brakes work in a continuous scroll when applying tension to most variable converting applications.

Caliper brakes: including manual, pneumatic and hydraulic.



RENOVA TURBOEX



RENOVA MOVIROLL

SchäferRolls GmbH

Roll covers

High quality with constant dimensional and shape stability incorporating materials that meet the chemical, thermal and mechanical requirements of converting processes, including tissue, adhesive labels and board. Can be adapted to the handling and processing characteristics of all types of rolls and sizes including embossing back rolls and size applicator rolls for converters.

SPECIFIED OPTIONS

- Overall length of up to 15,000 mm
- Diameter of up to 2,000 mm
- Weight of up to 100 tons

MTK srl

Dewatering systems

Initial forming zone - Forming board

Good structural rigidity resists the stress generated by the impact of the jet that might cause changes in the sheet formation.

Formation zone - Hydrofoil – Varioline box

Controls the turbulence according to the number, position and profile of the foils.

Low and medium vacuum zone - Vacuumfoil – Duoflow

Removes the water from the pulp by vacuum when hydrodynamic forces in the formation zone are insufficient to ensure adequate drainage.

High vacuum zone - Suction box

– Bivac – Trivac – Quadrivac

Called for when the dry level of the sheet increases and it is necessary to apply a progressively higher vacuum level to overcome drying resistance.



MTK DUOFLOW



SCHAFERROLLS ROLL COVERS

Svecom PE srl

Reel spools, core plugs and shaft extractors

The 640/PQL pneumatic, multiple-bladder, expanding reel spool shaft has proved to be the reel spool of choice for winding jumbo reels of tissue and paper. Encompassing the well-tested Svecom PE system, with its groups of air tubes with steel centring ledges and rubber blocking ledges, the 640/PQL carries high loads and guarantees perfect winding of reels at the highest machine speeds.

Model 714 MZL pneumatic-mechanical leaf chuck
Provides benefits to tissue mills when unwinding large tissue rolls. These include greater transmission wrench, increased safety, faster handling and a reduction in roll and core waste. An added advantage is easy insertion into, and correction of, damaged or badly worn cores. Half the weight of standard mechanical expanding chucks, the 714 MZL is suitable for cores ranging from 150mm to 500mm internal diameter. Core plugs can carry over 3000 kg in reel weight, unwinding up to 3000mm diameter rolls at an unwinding speed 700 M/minute.

Model 401BA – Electronic shaft extracting trolley
Designed for the extraction and handling of expanding shafts and chucks from a reel of wound material such as paper of various base weights, and for the re-insertion of the same in paper core or cores which have been suitably prepared by the operator.



ST Macchine SpA

Papermaking components and systems

An extensive range of machinery and systems for the papermaking, water treatment and biological plant sectors. Process phases include:

Pulping; extracting; cleaning; deflaking; refining; screening; vibrating screens; deinking; washing; thickening; dispersion; water treatment; sludge/reject; fibre recovery; chests; agitators; head boxes; pulsation dumper; rectifier rolls; directory S.S. fittings.

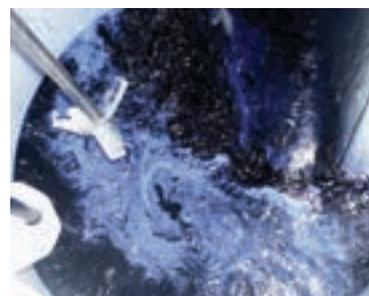


ST MACCHINE CONICAL REFINER

YTM Industrial Oy

Dye dilution and dosing

Kemex™, a highly accurate and simple dosing system with very low maintenance requirement. Precisely measures the amount of concentrated dye and dilution water. Utilises a fixed volume design, eliminating on-site calibration while guaranteeing a stable mixing ratio with excellent repeatability.



YTM INDUSTRIAL DYESUB DILUTION SYSTEM



Weingrill srl

Electromechanical products

Extensive range including:

- Wet and Dry End tail cutters including the fully-automated W Shark tailbreaker
- Automatic guides and stretchers for wire and felt control
- Palm valves and palm alarms for wire and felt control
- Load cell support carriers for remote control of wire and felt tension
- Pneumatic and electromechanical actuators
- Pneumatic reciprocating motors for the control of doctor and shower pipes
- Mechanical worm-screw and bevel gear pair jacks
- Micrometer screws for trims and linear and angular adjustment
- Special-production bearings for axial and eccentric movement
- Special-production pneumatic and hydraulic cylinders
- Valves for pneumatic and hydraulic control
- Paper cutter holders
- Oil-flow indicators for lubrication systems



Neyrtec Environnement

Sludge dewatering machines

Turnkey solutions for the treatment of effluent and sludge including:

- Rotary screen thickener for sludge thickening
- Wide range of models with capacities up to 250 m³/h
- Wide range of applications for sludge thickening (primary, biological, de-inking, mixed sludge)
- Reliable and constant operation from 5 to 100 g/l of feed consistency

Tasster screw press

High capacity units with minimal space requirement. Suitable for blended sludges, primary, de-inking, biological, pith and bagasse.

- Smooth operation
- Low maintenance cost



Johnson Screens

Pulp and Paper Screens

Johnson Screens Vee-Wire® is the leading brand for industrial filter screens. The company's screens have been developed for mill filtration and similar processes including water clarification and cleaning, dewatering, pulp screening and fractionation, fibre retention, drying and other liquid/solid separation processes.

Vee-Wire® filter elements are known for great strength, a long service life and a high level of adaptability.

Service and Repair

Jarshire can provide a full mechanical, electronic and electrical installation maintenance and repair service to meet individual needs. Any make of air shaft or chuck can be repaired, slitting knives reground and slitting knife holders overhauled and upgraded. Repair work can be carried out either at one of our engineering locations or on-site.



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