WEINGRILL

Production **catalogue**

W/25

INDEX

STRETCHING **SYSTEMS** p. 6

GUIDING **SYSTEMS** p. 12

TAIL CUTTING **SYSTEMS** p. 20

CLEANING **SYSTEMS** p. 26

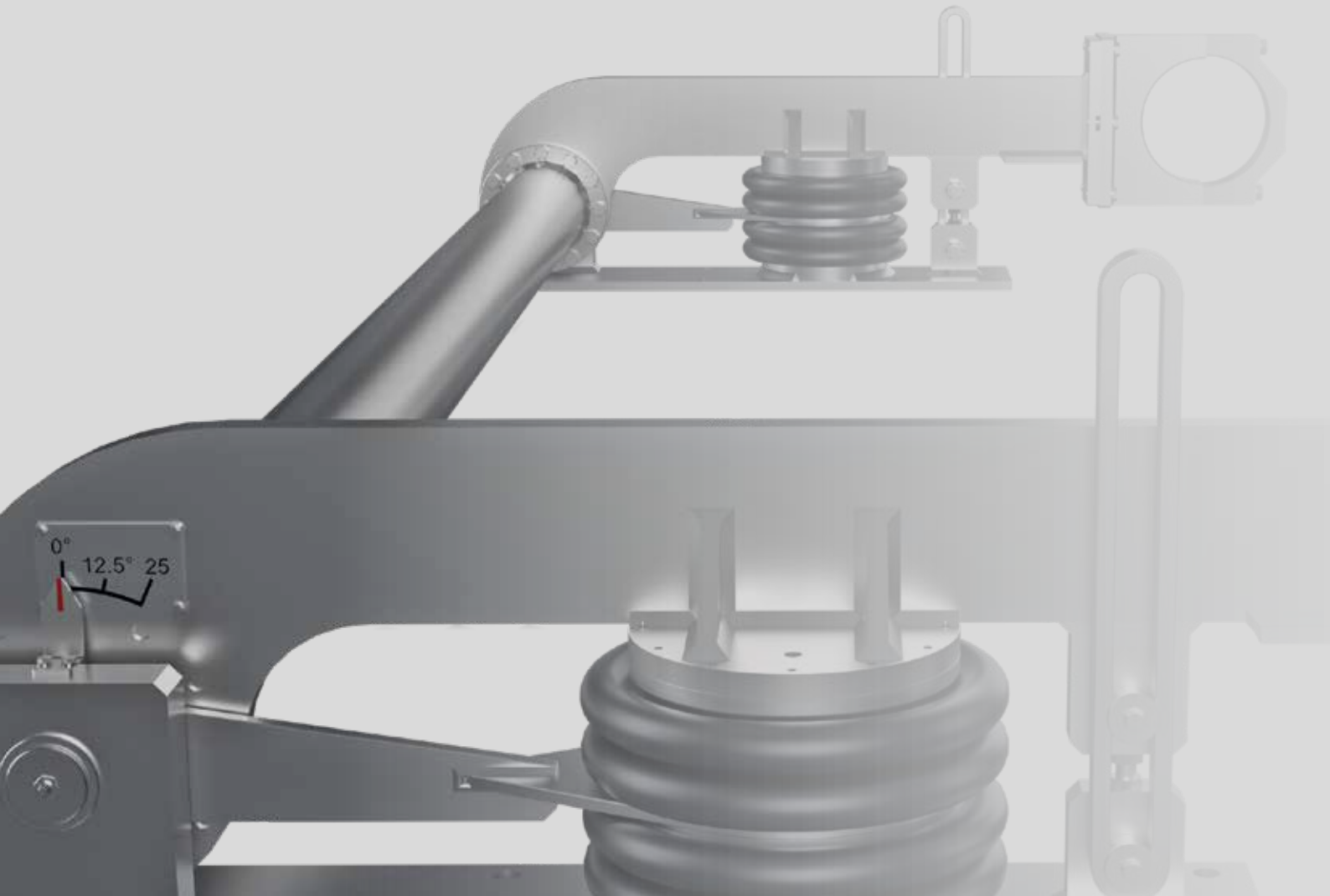
OTHER **COMPONENTS** p. 28

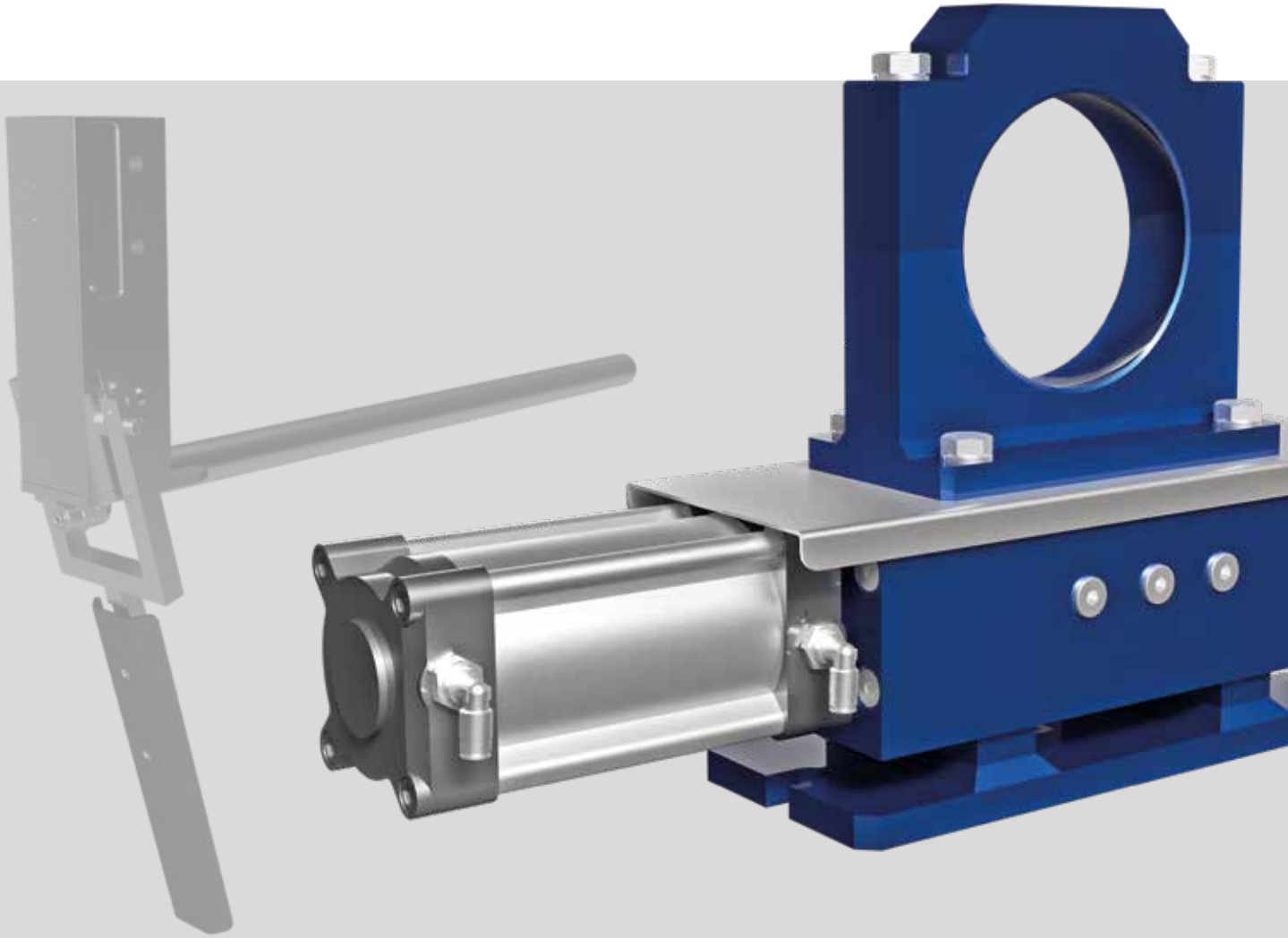
WEINGRILL

A history of more than 70 years with an eye towards the future

We are one of the global benchmarks for the paper industry. This milestone has been achieved through the strong integration of production with our R&D department.

Here originates the value proposition that distinguishes us in the market: an exceptionally broad offer that is unique in the industry, coupled with ongoing product enhancement through design evolution and high standards of mechanical processing. We have always operated with the aim that "***Made in Weingrill***" represents total reliability, complete product mastery, and a strong orientation towards innovation. That is why we put our experience and technical expertise, which shapes the DNA of the company at all levels, at the service of customers and their challenges every day. Whether it's optimizing the performance of a system or mitigating its environmental impact and energy consumption, our staff can identify the best solution for every specific need.



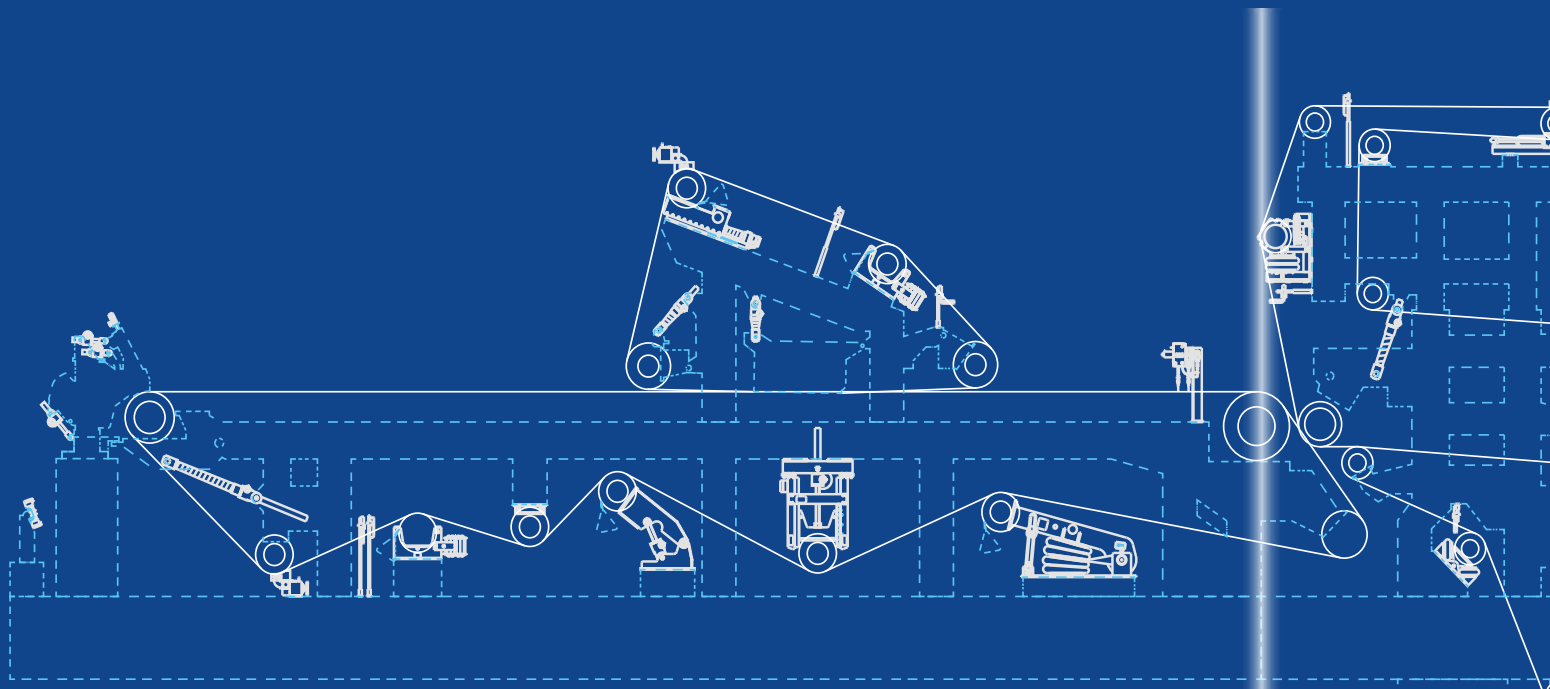


Technology solutions and integrated services

Our team provides a range of consulting and support services to improve process efficiency and facilitate maintenance.

- Supply of interchangeable spare parts.
- Audits on systems installed in the paper machine.
- Installation and commissioning supervision.
- Refurbishment of parts carried out in our workshop.
- Maintenance at site.

We provide SOLUTIONS and COMPONENTS that optimize paper machine operation



FORMING SECTION

PRE



DRYING SECTION

SS SECTION

STRETCHING SYSTEMS

GENERAL OVERVIEW

A stretching system (stretcher) provides the necessary tension to wire, felt or fabric, with a controlled movement of a roll, called tension roll. Keeping constant tension means to:

- Improve paper quality.
- Reduce sheet breaks.
- Increase wire, felt and fabric lifetime.
- Avoid fabric overstretching.
- Avoid drive roll slippage.

The stretcher is also in charge of the long stroke roll displacement to accommodate wire, felt or fabric change operations.

WIRE ARMS STRETCHERS, with pivoting movement.
Tension roll moves by means of lever arms operated by screw jacks, air rides or pneumatic cylinders; in these last two cases, the wire, or felt tension is proportional to air pressure and the pneumatic system allows continuous tension control.

LINEAR STRETCHER FOR PRESS OR DRY END, with linear movement of tension roll support carriages.

Different stretcher designs are available: SCREW JACK STRETCHER, where carriages movement is driven by a rotating screw jack system; PNEUMATIC COMPENSATED SCREW JACK STRETCHER where a pair of air actuators keep constant tension.

All stretchers can be driven by Electrical, Hydraulic or Pneumatic motors.

TENSION CONTROL

The simplest way to control the tension is with a manual system. The operator decides what's the targeted tension and stretches or slacks of the wire, felt or fabric by acting on the pushbutton (in the case of motor) or adjusting the air pressure (in the case of air rides or pneumatic cylinders). Operator is then requested to manually measure the tension, with dedicated tools.
Stretcher can be associated with a LOAD CELL, typically mounted on a fixed roll (or, as alternative, on board of the tensioner itself). It continuously measures a force and sends a signal, properly elaborated, to a display, for real time display of tension value.
Finally, in the system with automatic control system, the load cell sends the signal to a controller that calculates the proper roll position to match pre-set tension value (stretch or slack).

WIRE ARM STRETCHER W-STA

- Suitable for humid environments.
- Compact and reliable.
- Low maintenance.



Wire arm stretcher W-STA (air bellows)



Wire arm stretcher W-STA (screw jacks)

CHARACTERISTICS

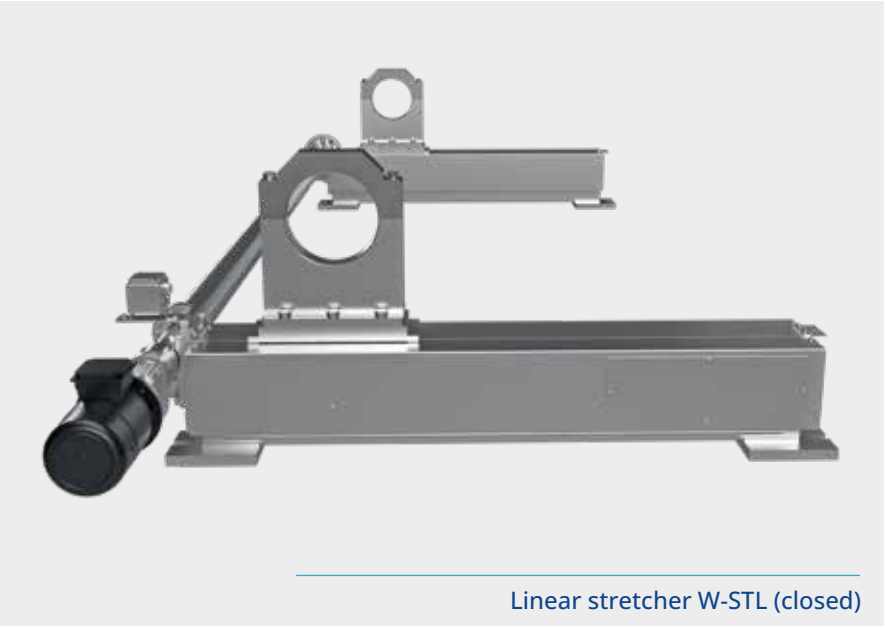
- Inner or outer wire roll systems.
- Screw jack, air ride or pneumatic cylinder actuated.
- Stainless steel components.
- Screw jack stretchers, passing or rotating screw, and cross shaft, make sure of position repeatability. System can be associated with a Load Cell and with a stroke control by means of electric limit switches.
- Standard model with electric motor (hydraulic or pneumatic motor are available on request).
- Air ride stretchers together with torsion cross shaft allow the automatic tension control and are easy to install and use.
- Built-in or bolted roll seats.
- Wire tension and wire roll movement systems are designed and executed in different models, if required.

ACCESSORIES

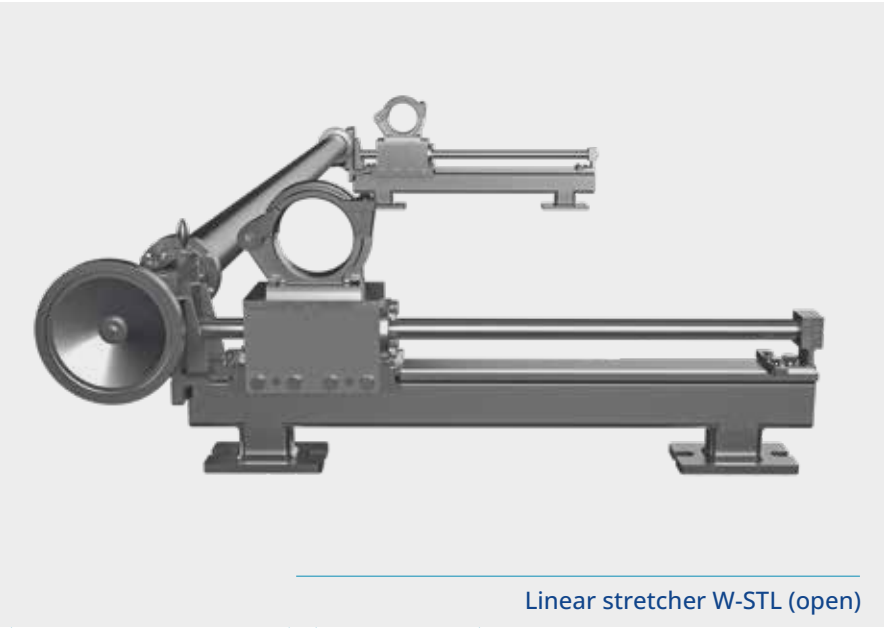
- Roll bearing support seats.
- Load Cell.

LINEAR STRETCHER W-STL

- Suitable for humid or hot environments.
- Compact and reliable.
- Low maintenance.
- Easy and quick felt seam adjustment.



Linear stretcher W-STL (closed)



Linear stretcher W-STL (open)

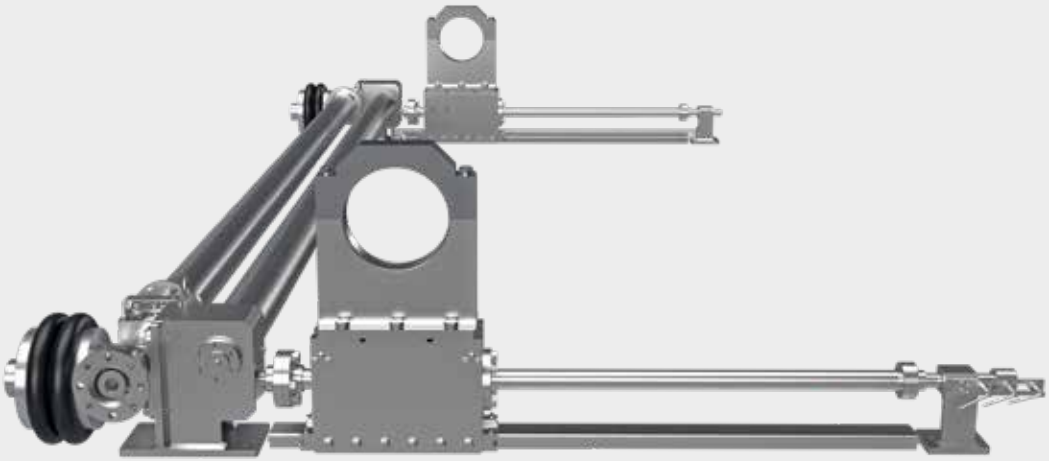
CHARACTERISTICS

- Stainless steel or painted carbon steel executions.
- Fully enclosed drive system.
- The motor drives the cross shaft and a couple of rotating screw jacks two nuts move the trolleys carrying the tension roll supports.
- The system has stroke control by means of electrical limit switches.
- Seam line can be adjusted with a manual clutch.
- With work screw cleaning device.
- With dust cover protection (optional).
- Models with self-supporting beams or thin plates.
- Standard model with electric motor (hydraulic or pneumatic motor are available on request).
- Can be associated with a Load Cell.

ACCESSORIES

- Roll bearing support seats.
- Load Cell.

COMPENSATED STRETCHER W-STL-C



Compensated stretcher W-STL-C

- Suitable for humid or hot environments.
- Compact and reliable.
- Low maintenance.
- Felt seam adjustment.
- Dumping of wire, felt or fabric tension variation.

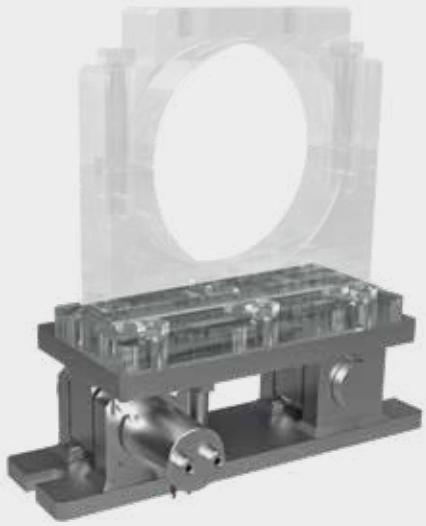
CHARACTERISTICS

- Stainless steel or painted carbon steel components.
- The motor drives the cross shaft and a couple of rotating screw jacks, two nuts drive the trolleys carrying the tension roll supports.
- A pair of pneumatic actuators keep tension constant when fabric length varies.
- The synchronization shaft ensures uniform and coherent movement on both sides.
- The system has stroke control by means of electrical limit switches.
- Seam line can be adjusted with a manual clutch.
- With work screw cleaning device.
- With dust cover protection (optional).
- Models with self-supporting beams or thin plates.
- Standard model with electric motor (hydraulic or pneumatic motor are available on request).
- San be associated with a Load Cell used as a tension display.

ACCESSORIES

- Roll bearing support seats.
- Load Cell.

LOAD CELL W-LCL



Load Cell W-LCL

- Suitable for humid or hot environments.
- Compact and reliable system.
- Installation on any machine position.
- Continuous measurement and displaying of wire, felt or fabric tension.

CHARACTERISTICS

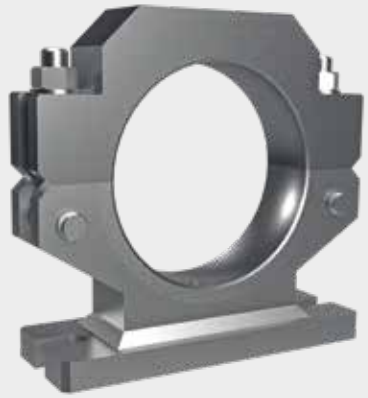
- Stainless steel or painted carbon steel components.
- Fabric tension is evaluated in function of the load on a fixed roll support (T = resulting tension, LC = measured force).
- The support is designed according to the selected Load Cell.
- Models with Load Cell integrated into the roll support.
- Dimensions and drilling adaptable to existing roll support.
- Mounting: horizontal, vertical or inclined.
- Typical Load Cell data: accuracy <0.5%, power 10 Vdc, IP67, cable 10 m.

ACCESSORIES

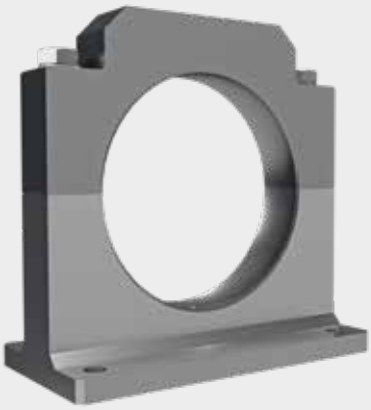
- Load Cell power and signal conditioning unit.
- Tension display.
- Tension regulator and display.
- Roll bearing support seats.

BEARING SEAT W-BSP

Easy roll removal.



Bearing seat W-BSP (eye bolts)



Bearing seat W-BSP (screwed)

CHARACTERISTICS

- Stainless steel or cast-iron components.
- Model W-BPS-110, diameter up to 110 mm.
- Model W-BPS-160, diameters from 110 mm up to 160 mm.
- Model W-BPS-200, diameters from 160 mm up to 200 mm.
- Other electro-welded sizes are also available.

GUIDING SYSTEMS

GENERAL OVERVIEW

Guiding system scope is to minimize fabric lateral oscillations by means of controlled movement of a roll, called Guide Roll.
Keeping constant fabric position means to:

- Avoid fabric run-out and consequent damages.
- Reduce edge wear.
- Increase fabric lifetime.
- Optimize machine productivity.

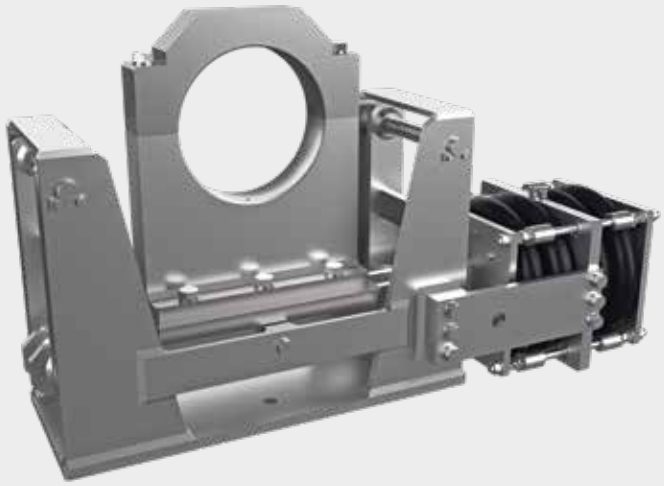
Guiding systems are designed to keep fabric running in the centre of the rolls that support it. A minimum displacement of one end of the guide roll, in the proper direction, corrects the fabric run.
Weingrill offers different guiding system models actuated by air rides or by pneumatic cylinders.

CONTROL AND ALARM

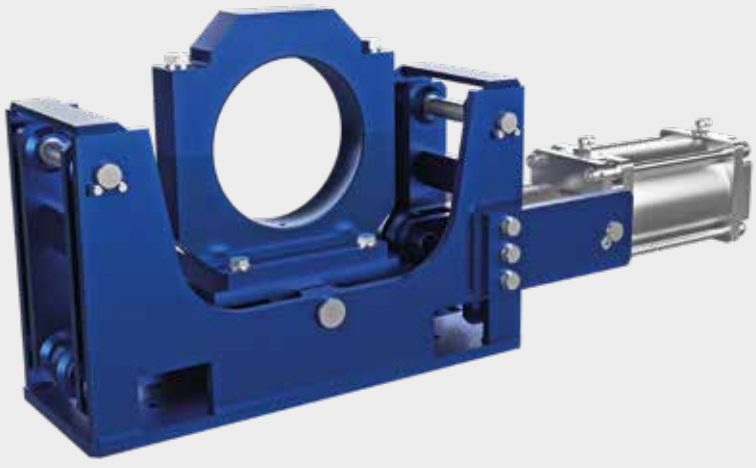
Fabric control and guide activation are done through a palm valve (PRESSURE BALANCE VALVE or PROPORTIONAL BLEED VALVE) where a paddle feels the fabric edge position. The valve controls the air flow to the automatic guide actuators. The security of the guiding system is increased using the ALARM PALM, where electric sensors alarm the operator when excessive fabric run-out occurs.

PARALLELOGRAM GUIDE W-GDS-P

- Suitable for humid or hot environments.
- Compact and reliable.
- Base support suitable for doctor installation.
- Low and simple maintenance.



Parallelogram guide W-GDS-P (air bellows)



Parallelogram guide W-GDS-P (pneumatic cylinder)

CHARACTERISTICS

- Roll support linear displacement.
- Execution in stainless steel or painted carbon steel.
- Horizontal or inclined mounting design.
- Stroke limited with mechanical stops.
- Models in stainless steel and air rides are designed for wet and humid environments.
- Models in painted carbon steel and pneumatic cylinders are designed for high temperature environments.

ACCESSORIES

- System for manual positioning.
- Roll bearing support seats.
- Position control palm valve.
- Alarm palm.

PIVOTING GUIDE W-GDS-O

- Suitable for humid and dry environments.
- Compact and reliable.
- Low and simple maintenance.



Pivoting guide W-GDS-O (air bellows)



Pivoting guide W-GDS-O (pneumatic cylinder)

CHARACTERISTICS

- Execution in stainless steel or steel.
- Horizontal, vertical, inclined or reversed mounting design.
- Stroke limited with mechanical stops.
- Roll support pivoting displacement.
- Models in stainless steel and air rides are designed for wet and humid environments.
- Models in steel and pneumatic cylinders are designed for high temperature environments.

ACCESSORIES

- System for manual positioning.
- Roll bearing support seats.
- Position control palm valve.
- Alarm palm.

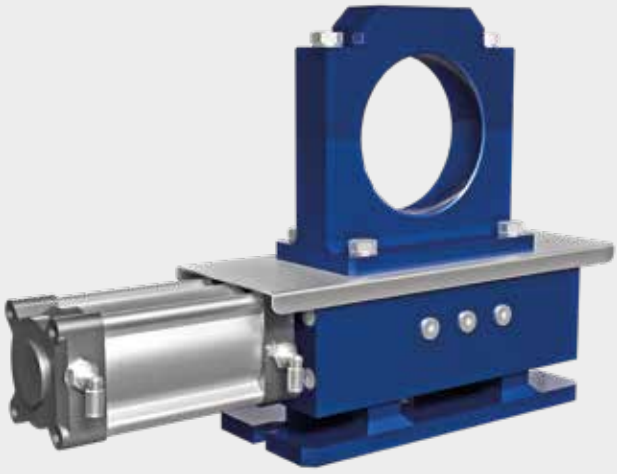
Note: for inclined mounting contact Weingrill.

LINEAR GUIDE W-GDS-L

- Suitable for humid and hot environments.
- Compact and reliable.
- Base support suitable for doctor installation.
- Low and simple maintenance.



Linear guide W-GDS-L (air bellows)



Linear guide W-GDS-L (pneumatic cylinder)

CHARACTERISTICS

- Stainless steel or Steel execution.
- Roll support linear displacement.
- Easy air cylinder replacement.
- Models in stainless steel designed for wet and humid environments.
- Models in steel designed for high temperature environments.

ACCESSORIES

- System for manual positioning.
- Roll bearing support seats.
- Position control palm valve.
- Alarm palm.

VERTICAL GUIDE W-GDS-V



Vertical guide W-GDS-V

- Suitable for humid and middle high temperature environments.
- Compact and reliable.
- Low and simple maintenance.

CHARACTERISTICS

- Roll support linear displacement.
- Components in stainless steel.
- Application for press section felts.
- Vertical or inclined mounting design.

ACCESSORIES

- System for manual positioning.
- Roll bearing support seats.
- Position control palm valve.
- Alarm palm.

Note: for inclined mounting contact Weingrill.

ALARM PALM W-PLA



Alarm palm W-PLA

- Protects fabric from excessive run out.
- Alarm palms detect fabric when it tends to run off.
- Increase fabric safety operations.
- Easy to operate.
- Low maintenance.

CHARACTERISTICS

■ Two limit switches detect fabric run off levels:

- 1st level signal wired to ALARM.

- 2nd level signal wired to MACHINE STOP.

■ Alarm palms have to be installed at both Front and Back side of the machine, avoiding contact with wire, felt or fabric edges.

■ Sliding surface in stainless steel.

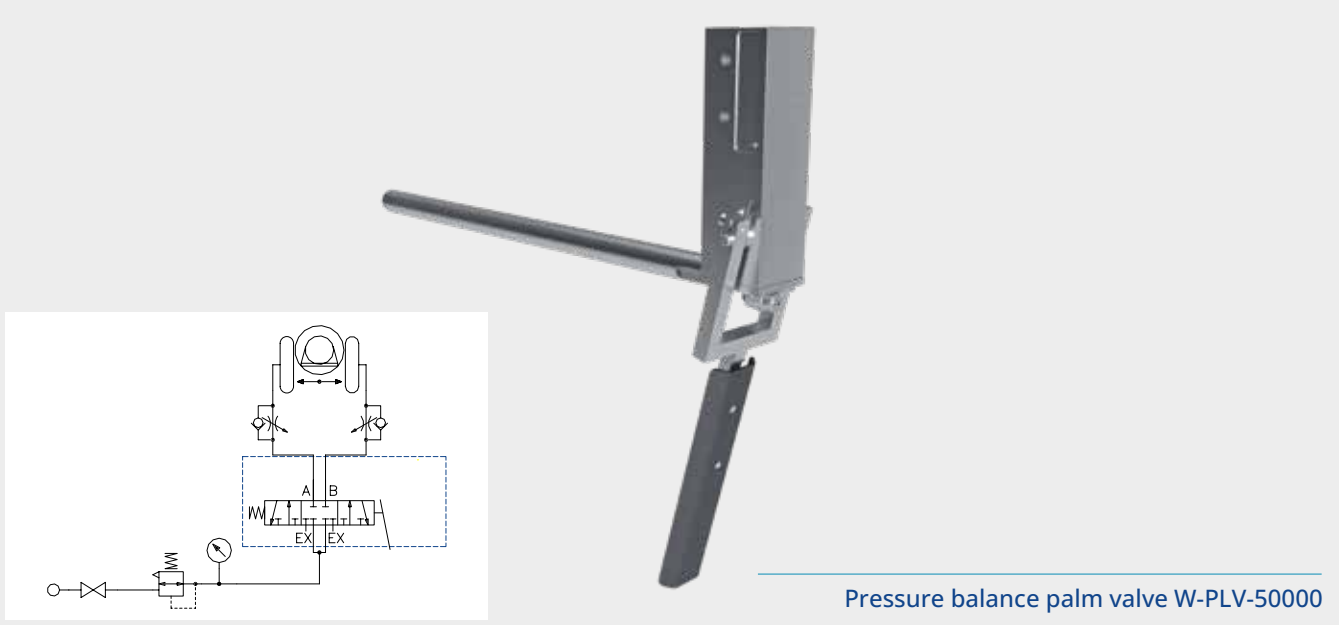
■ Suitable for wet or high temperature applications.

■ Max operating temperature: 100 °C or 120 °C.

ACCESSORIES

■ Electric connection box onboard.

PRESSURE BALANCE PALM VALVE W-PLV-50000



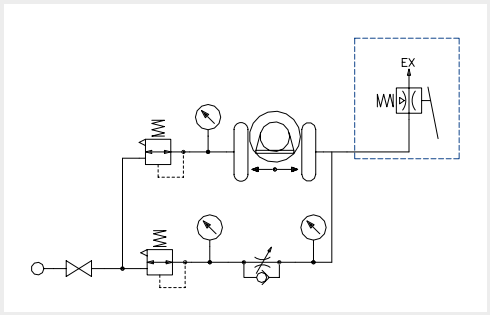
Pressure balance palm valve W-PLV-50000

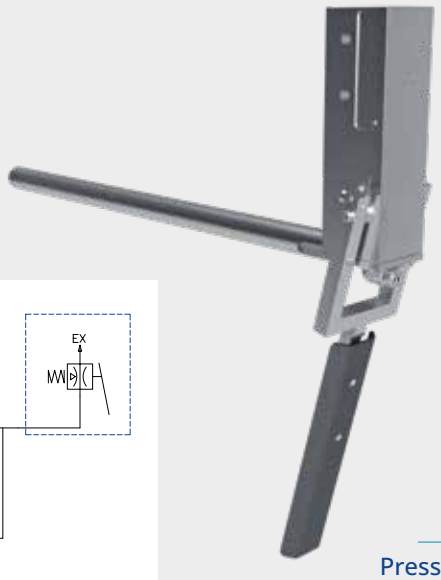
- Reduced and adjustable contact pressure.
- Reduced hysteresis to compensate uneven edges.
- Low air consumption.
- Easy to operate.
- Low maintenance.

CHARACTERISTICS

- Pneumatic valve.
- Double or single inlet.
- Valve alternatively add or bleed air to and from the fabric guide.
- Four-way control device.
- With stable wire, felt or fabric, the valve is Normally Closed (NC), consequence is no air consumption.
- Contact surface made in stainless steel and coated with ceramic material.
- Max operating temperature: 150 °C.
- Max air pressure: 5 bar.
- When unbalance conditions occur, the double inlet allows different actions on the air rides of wire or felt guide.
- 3/2 and 5/2-way control valve.

PRESSURE PROPORTIONAL BLEED PALM VALVE W-PLV-52050





Pressure proportional bleed palm valve W-PLV-52050

- Reduced and adjustable contact pressure.
- High sensibility.
- Easy to operate.
- Low maintenance.

CHARACTERISTICS

- Pneumatic valve.
- Valve proportionally bleeds air from fabric guide input line.
- Cone control device.
- Standard valve is Normally Closed (NC), on request it can be Normally Open (NO).
- Palm action can be reversed by reversing cone device (NC to NO or vice versa).
- Contact surface made in stainless steel and coated with ceramic material.
- Max operating temperature: 150 °C.
- Max air pressure: 4 bar.

TAIL CUTTING SYSTEMS

GENERAL OVERVIEW

With TAIL CUTTER systems the manual operation is replaced with a fast programmed and automatic sequence, resulting in a machine efficiency increase.

The use of a motorized Tail Cutter to allow:

- Increase machine availability.
- Optimize paper machine efficiency.
- Provide necessary operator safety during sheet break phases and subsequent tail threading.

Weingrill offers different Tail cutter models:

- WET END TAIL CUTTER, web cutting with needle nozzle water jet on wire or wet felt.
- DRY END TAIL CUTTER WITH ROTATING BLADE, paper cutting made on sheet after dryer roll.
- DRY END TAIL CUTTER WITH WATER JET, paper cutting made on sheet after dryer roll or directly on dryer roll, with high pressure needle nozzle water jet.

Together with the Tail Cutter Weingrill proposes the CONTROL SYSTEM which allows the automatic cutting procedure.
Unit is activated simply by push button or with an external signal coming from sheet break detecting system.
Wet End Tail Cutter can be associated with position adjustable WET TRIM SQUIRTS.

WET END SINGLE TAIL CUTTER W-TCU-S



Wet end single tail cutter W-TCU-S

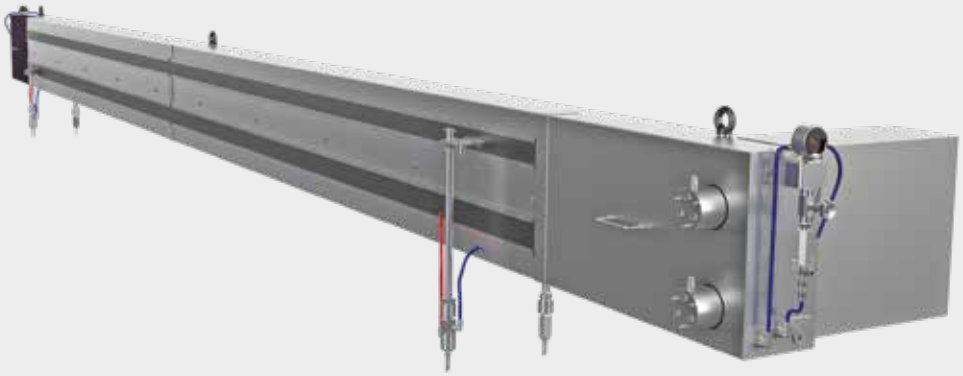
- Automatic “risk-free” operation.
- Compact and reliable assembly.
- Reduced maintenance.
- Suitable for wet and corrosive environments.

CHARACTERISTICS

- Full stainless steel construction.
- Web cutting by needle nozzle water jet.
- Tail formation and widening to full sheet.
- Web cutting on wire or wet felt.
- Smooth and stable nozzle translation movement.
- Suitable for cutting upward or downward.
- Adjustable nozzle angle.
- Dedicated control.
- Driven by stainless steel chain and electric motor.
- Speed control by Inverter.
- Cross direction nozzle position detection by Encoder.
- Emergency manual translation by hand wheel.
- Application up to 10 meters paper machine width.
- Options:

- Cantilever version.
- Built on trim squirts.
- Air shielded nozzle.

WET END DOUBLE TAIL CUTTER W-TCU-D



Wet end double tail cutter W-TCU-D

- Automatic “risk-free” operation.
- Compact and reliable assembly.
- Low maintenance.
- Suitable for wet and corrosive environments.

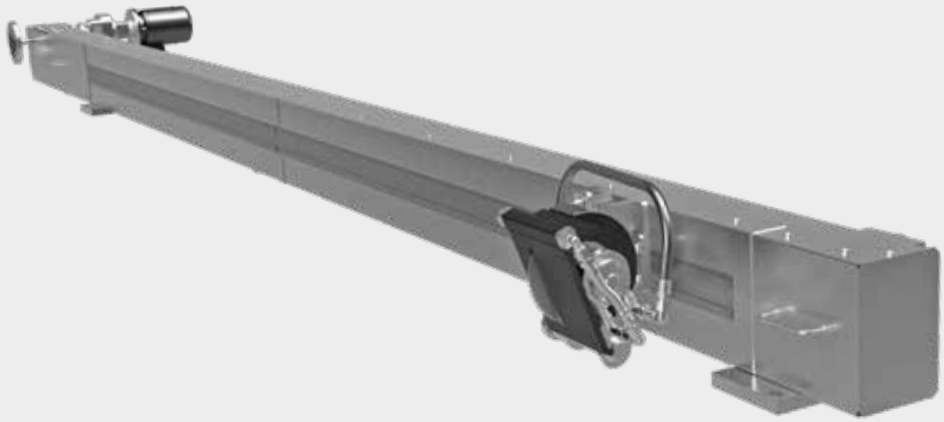
CHARACTERISTICS

- Full stainless steel construction.
- Web cutting by needle nozzle water jet.
- Tail formation and widening to full sheet.
- Continuous operation as trim squirts.
- High operation flexibility.
- Paper width and paper sheet position changes in automatic.
- Web cutting on wire or wet felt.
- Smooth and stable nozzle translations.
- Adjustable nozzle angle.
- Dedicated control.
- Driven by stainless steel chain and electric motor.
- Speed control by Inverter.
- Nozzles position detection by Encoder.
- Air shielded nozzles.
- Emergency manual translation by hand wheel.
- Application up to 10 meters paper machine width.
- Options:

- Cantilever version.

- Built on trim squirts.

DRY END TAIL CUTTER ROTATING BLADE W-TCS



Dry end tail cutter rotating blade W-TCS

- Automatic “risk-free” operation.
- Compact and reliable assembly.
- Low maintenance.
- High temperature resistant.

CHARACTERISTICS

- Paper cut with rotating blade.
- Paper cut on free run after dryer cylinder.
- Smooth and stable blade translation.
- Dedicated control.
- Driven by chain and electrical motor.
- Inverter control or double speed electrical motor.
- Rotating blade driven by air motor.
- Vacuum device for tail stabilization.
- Hidden blade at parking position.
- Blade position detection with Encoder.
- Emergency manual translation by hand wheel.
- Application up to 10 meters paper machine width.
- Options:

- Fixed blade version.

DRY END TAIL CUTTER WATER JET W-WJT



Dry end tail cutter water jet W-WJT

- Automatic “risk-free” operation.
- Clean paper cut by means of needle water jet.
- Compact and reliable assembly.
- Low maintenance.
- High temperature resistance.

CHARACTERISTICS

■ Paper cut on free run or on dryer can.

■ Smooth and stable nozzle translation.

■ Dedicated control.

■ Driven by chain and electrical motorization.

■ Electrical motor with Inverter.

■ Nozzle position detection with Encoder.

■ Emergency manual translation by hand wheel.

■ Application up to 10 meters paper machine width.

■ Options:

- High pressure cut (400 bar).

- Extra-high pressure cut (2000 bar).

HIGH PRESSURE PUMP UNIT

■ Unit complete with:

- High pressure pump and electric AC motor.

- Filters.

- Drive and safety.

■ Piping for high pressure is available.

WET END TRIM SQUIRTS W-TBU



Wet end trim squirts W-TBU

- High operating performance.
- High reliability and safe operation.
- Easy installation and reduced maintenance.

CHARACTERISTICS

- Web cut with water jet.
- Web cutting on wire.
- Nozzle check and exchange during production.
- Air shielded nozzle (no formation of moisture deposits).
- Settings:

- Jet impinging angle.

- Nozzle distance from paper.

- Nozzle replacement during productions.

- Manual version:

- Position control with manual knob.

- Position indication.

- Motorized version:

- Position control with motor and remote control.

- Digital display of the Position.

- Options:

- Single or double nozzle.

GENERAL OVERVIEW

With new Weingrill JET CLEANER, the traditional fabric cleaning made with high pressure or flooded nip shower is replaced by a single head, with a reduced number of nozzles. The result is a localized high-pressure cleaning of the fabric surface and structure.

The use of a Jet Cleaner allows to:

- Improve fabric cleaning.
- Execute transverse or localized cleaning.
- Dramatically reduce water and power consumption.

Weingrill offers:

- WIRE JET CLEANER.
- FELT JET CLEANER.
- FABRIC JET CLEANER.

Along with the JET CLEANER it is supplied the CONTROL SYSTEM, which allows the automatic washing cycle on the full width or on a restricted area.
The system is completed by a HIGH PRESSURE PUMP UNIT, with filtering system.

JET CLEANER W-JCL



Jet cleaner W-JCL

- Complete removal of contamination from the wire/felt/fabric.
- Even moisture profile.
- Lower energy consumption.
- Longer wire/felt/fabric lifetime.
- Less chemicals.

CHARACTERISTICS

- Wire/Felt/Fabric cleaning high pressure water jet.
- Compact and reliable assembly.
- Low maintenance.
- Corrosion and/or High temperature resistance.
- Pre-tested system.
- Application up to 10 meters paper machine width.
- Driven electrical servo motor.
- Cleaning head position detection by Encoder.
- Options:

- High pressure cleaning (up to 150 bar) for wires and felts.

- Extra-high-pressure cleaning (up to 400 bar) for dyer fabrics.

HIGH PRESSURE PUMP UNIT

- Pre-assembled skid, complete with two high pressure pumps and related electric AC motors, filters. drive and safety ancillaries.
- In field piping and miscellaneous for high pressure application: available upon request.

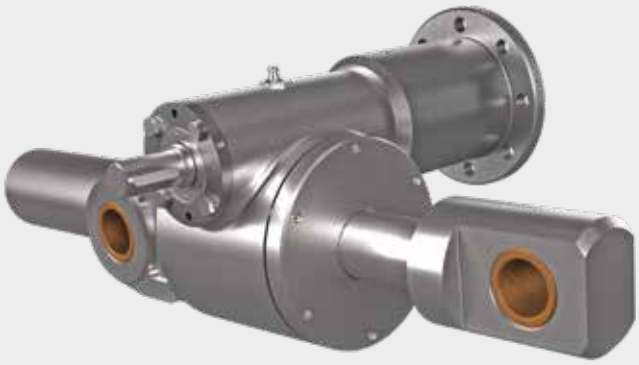
CONTROL

- Pre-settable cleaning cycles and ranges.
- Display of actual cutting unit position.
- Alarm display and diagnostic.

OTHER COMPONENTS

MECHANICAL SCREW JACKS W-SJK

Weingrill screw jacks have been used by the thousands over the years in the most diverse industrial applications, with excellent functional and durability results.
Numerous applications, sizes and executions in stainless steel allow Weingrill to be able to reply to any installation requirements.



Mechanical screw jacks W-SJK (pivoting)



Mechanical screw jacks W-SJK (base)

CHARACTERISTICS

- Sizes from 5 kN to 1500 kN, nominal.
- Operation can be either manual or motorized.
- Worm screw/gear or two pinion bevel gear screw.
- V-thread or ball bearing work screw.
- Can be combined with hydraulic piston.
- Equipment:

- Diameters, pitches and end dimensions on request.
- Anti-Backlash feature and anti-rotation system.
- Additional guides and mechanical stops.
- Special screw to wheel ratios.
- Electric limit switches and position detection system.
- Centesimal dial indicator for direct stroke reading.
- Swinging mounting features.
- Conventional and special hand operated hand wheel with gravitational dial indicator or ratchet.
- Supports or coupling for direct motor assembly.
- Gear reducers, transmission shafts and couplings for dual or multiple connections.

MICRO SCREW JACKS W-MSJ



Micro screw jacks W-MSJ

Micro actuators have been used over the years for headbox slice lip profiling application.

CHARACTERISTICS

- Full anti-corrosion and waterproof execution.
- Sizes from 5 kN to 35 kN, nominal.
- Manual type:

- Manual control.

- Centesimal dial indicator for position display.

- Motorized type:

- Drive with inductive or step motor.

- Position feedback by LVDT or encoder.

- Models with vertical or horizontal dial Indicator.

MOTORIZED VALVE W-ACT



Motorized valve W-ACT

Motorized flow valve used wherever a fine flow modulation and valve opening repeatability is required (for example, in the dilution system for cross control of the basis weight profile on headboxes).

CHARACTERISTICS

- Minimization of dead areas causing fiber deposits in the valve.
- Low head losses through the valve due to straight flow path.
- Regulation range from 0° to 90°.
- High resolution for fine adjustments.
- Different valve sizes are available.
- Valve actuator with step motor.
- Position feedback by Encoder.

PNEUMATIC OSCILLATOR W-OPN



Pneumatic oscillator W-OPN

- Designed to operate in extremely wet environment.
- Compact unit.
- High reliability and safe operation.
- Easy installation and reduced maintenance.

CHARACTERISTICS

- Full stainless steel construction.
- Air ride operation.
- Stroke: ±10 or ±15 mm.
- Installation with support parallel or perpendicular to doctor axis.

ACCESSORIES

- Doctor support with oscillating bushings.
- Articulated couplings.

AUTOMATIC RECIPROCATING AIR MOTORS W-MAP



Automatic reciprocating air motors W-MAP

Automatic reciprocating air motors are normally used in those applications where a reciprocating forth and back motion at variable speed is required.

CHARACTERISTICS

- Double acting cylinder actuated by a valve system which alternatively feed both sides of the cylinder, using its motion to generate impulse.
- Suitable for doctors or shower oscillation.
- Air supply (no need for electrical power).
- Versions:

- Stainless steel execution for wet applications.

- Steel, aluminium and bronze execution for high temperature applications.

- Three different sizes.
- Fixed strokes: 9.5 – 15 – 20 mm.
- Adjustable strokes: from 60 to 700 mm.
- Motors operated by filtered, dried and lubricated compressed air.
- Operating temperature up to 140 °C.
- Motors are equipped with pressure port to check effective operating pressure.

ACCESSORIES

- Articulated joint.
- Fixed support.
- Pivoting support (for strokes above 100 mm).
- Motor stop alarm device.

BEARINGS FOR AXIAL MOVEMENTS W-CRO



Bearings for axial movements W-CRO

- Operating performance.
- High reliability and safe operation.
- Easy installation and reduced maintenance.

CHARACTERISTICS

■ Suitable for applications where high axial sliding capacity and perfect load alignment are required.

■ Low friction coefficient.

■ Self-alignment: approx. 3° in all directions.

■ Versions:

- Type “A”: stainless steel execution for wet applications, max. temperature: 70 °C.

- Type “B”: painted carbon steel execution for high temperature applications (max. 140 °C).

- Other executions and types on request.

■ Internal ball bearings in stainless steel for wet applications.

ROPE STRETCHER W-RST



Rope stretcher W-RST

- Made in a compact and reliable assembly.
- The electro-welded steel structure offers high resistance, eliminating also deformations and providing perfect trolley sliding.

CHARACTERISTICS

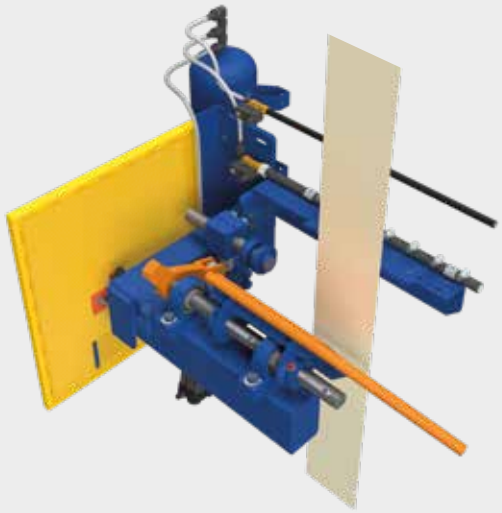
- Wide range of rope length compensation.
- Pulleys in painted cast iron with bearings.
- Moving trolley supporting the pulley is driven by pneumatic cylinders.
- Double acting cylinders provide rope stretch control and stabilizing counter pressure.
- Tail Threading Tension and Slow Speed Operation switch.
- Models with different strokes, for double or single rope.
- Vertical or horizontal installation.

ACCESSORIES

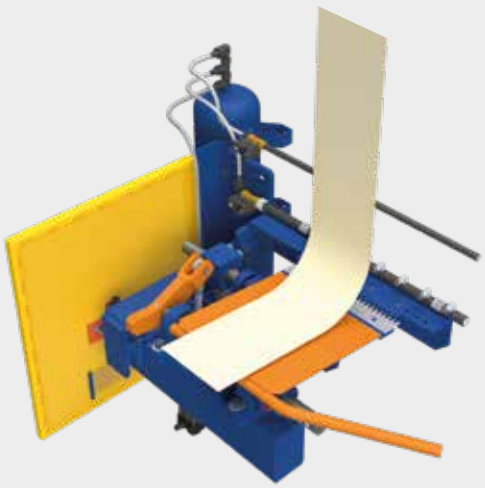
- Maximum rope stretch detecting device.

DRY END TAIL BREAKER W-SHK "W-SHARK"

Full automated tail cutting and threading sequence.



Dry end tail breaker W-SHK (parking position)



Dry end tail breaker W-SHK (cutting position)

CHARACTERISTICS

- Tail break with toothed blade.
- Tail thread with adjustable air jets.
- Separate push-button box for tail breaker operation.
- Safety protections and electric block to prevent access to cutting blade during operation.
- Dedicated control box with based on PLC with display and keyboard.
- Power and air cut off when safety barriers are open.
- Complete system, pre-tested at Weingrill facilities, ready for installation.

WEINGRILL

WEINGRILL

WEINGRILL S.R.L.
Via Valpellice, 63
10060 S. Secondo di Pinerolo (TO) - Italy
Tel. +39 0121 50 18 55

weingrill@weingrill.it
www.weingrill.it