

# **FORESTRY** Solutions for Increased Productivity & Output



## ROSTA OUR GOAL



**ROSTA** solutions are **simple**, **smart and durable**, providing you with increased **efficiency and productivity**. Our products offer you many advantages: **a lower total cost of ownership** of your machinery, **custom engineering** services, **digital monitoring** services and **sensorics** for Industry 4.0 applications. Combined with **best-in-class after-sales** service and a global reach, this ensures your added value. **At ROSTA, your success is our goal.** 



#### ROSTA **COMPANY PROFILE**



#### Optimal return on investment



# OUR PRODUCTS & SOLUTIONS Conveying, Tensioning, Guiding, Pressing, Sifting & Damping



## LUMBER PROCESSING VIBRATING & OSCILLATING EQUIPMENT

#### Conveying

A vibrating feeder is designed to utilise gravity plus vibration to reliably transfer material at a consistent and controllable rate of flow to another piece of process equipment.

ROSTA Oscillating Mountings provide a controlled suspension system with a predictably long service life.

ROSTA AB - ABI ® Types Oscillating Mountings

- Long lasting
- Overload proof
- Maintenance free

#### Conveying

Oscillating shaker conveyors with crank shaft drive are widely used for the transportation and selection of wood.

For the two mass shaker conveyors, Rosta offers the Doube Suspension Units that ensure a precise and fast transportation of materials.

- High damping capacity
- Easy and fast installation
- Long stroke



ROSTA AD-C ® Type Double Suspension Units



Wood feeder screen designed with ROSTA AB  $\ensuremath{\mathbb{R}}$ 



Vibrating screen designed with ROSTA AB  $\ensuremath{\mathbb{R}}$ 



Sawdust shaker conveyor designed with ROSTA AD-C ®



Wood chip conveyor designed with ROSTA AD-C  $\ensuremath{\mathbb{R}}$ 





## LUMBER PROCESSING VIBRATING & OSCILLATING EQUIPMENT

#### Conveying

The "brute-force" shaker conveyor system is widely used in the processing industries due to its constructive simplicity and cost efficient design method.

Rosta AU <sup>®</sup> Type are the perfect fit for these machines. Rosta's elements are easy to mount and offers improved performances and damping.

- High damping capacity
- Easy and fast installation
- Long stroke

#### Conveying

The drive heads are a crucial connection point between transmission and conveyor.

The ST ® Type guarantee an elastic shockproof-connection, able to absorb and adapt to any unexpected transmission behavior. Durability and simplicity of implementations are two of the keypoints for these products.

- High damping capacity
- Easy and fast installation
- Long stroke



ROSTA ST ® Type Oscillating Drive Head



ROSTA AU ® Type Oscillating Mountings



Shaker for wood waste designed with ROSTA AU  $\ensuremath{\mathbb{R}}$ 



Single mass shacker with accumulators ROSTA SE  $\ensuremath{\mathbb{R}}$ 



Drive heads on chip conveyor designed with ROSTA ST  $\ensuremath{\mathbb{R}}$ 



Drive head on a Conveyor designed with ROSTA ST  $\ensuremath{\mathbb{R}}$ 







## LUMBER PROCESSING SIFTING EQUIPMENT

## Sifting

Upright staying gyratory sifter machines frequently have this classical type of crank drive.

These screens are mainly used in the flour processing sector plants. An eccentric shaft driven by belts transfers the circular movement to the screen box.



ROSTA AK ® type Universal Joint

- Long lasting
- Noise less
- Up to 40kN per support



Wood chip Plansifter designed with ROSTA SE ®



Wood chip Plansifter designed with ROSTA SE ®



# WOOD PROCESSING MACHINERY **TENSIONING EQUIPMENT**

#### Tensioning

The maintenance-free tensioner device is designed to optimise the smooth operation and service life of the drivetrain.

It is especially essential to maintain a constant force transmission in the belt drives. This is guaranteed with the SE tensioner devices from ROSTA

- Constant force transmission
- Automatic re-tensioning
- Compensates for belt elongation



ROSTA SE ® Type Tensioner Range

#### Tensioning

The ROSTA motor base, MB, is particularly suitable for large belt drives. The motor base is specially designed to reduce maintenance work to a minimum.

The overall downtime is reduced at the same time. This is a plus in terms of productivity and meanssignificantly lower costs and less time and effort.

- Reduce downtime
- Constant belt tensioning
- Easy belt maintenance



ROSTA MB ® Motorbases Range



Chain drive of wood chipper designed with ROSTA SE  $\ensuremath{\mathbb{R}}$ 



Belt drive designed with ROSTA SE  $\ensuremath{\mathbb{R}}$ 



Motor base on a Crusher designed with ROSTA MB  $\ensuremath{\mathbb{R}}$ 



shaker conveyor designed with ROSTA MB  $\ensuremath{\mathbb{R}}$ 





# WOOD PROCESSING MACHINERY RUBBER SUSPENSIONS

#### Damping

Excessive vibration can have a detrimental effect on machine and human health.

Limit the transmission of damaging vibrations and reduce noise with the high isolation efficiency inherent in the range of low natural frequency anti-vibration mountings from ROSTA.

- Fail safe
- Low natural frequency
- Maintenance free





ROSTA ESL ® and V ® Types Anti-Vibration Mountings

#### Pressing

ROSTA elements are ideal on production equipment where materials need to be held down or guided with precision.

- Constant pressure
- Easy to install
- Maintenance free



ROSTA SE ® Type Tensioner Range



Fan vibration dampening designed with ROSTA SE  $\ensuremath{\mathbb{R}}$ 



Impact table for trunks designed with ROSTA ESL ®



Down holder designed with ROSTA SE ®



Down holder designed with ROSTA SE ®





### **OVERVIEW OUR PRODUCTS, SERVICES & PARTNERS**









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