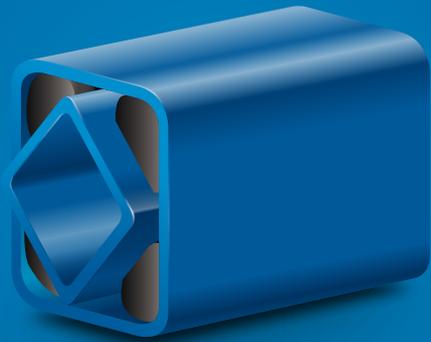




WE DELIVER PRODUCTIVITY

The blue ones from ROSTA





Simple and clever

DEAR READER

A unique success story for 75 years

Thanks to an innovative product idea, ROSTA is the world's leading manufacturer of rubber spring and damping systems. Since 1944, our consistent customer-centric approach has had top priority and contributes significantly to the sustained success of the company – enabling us to celebrate the 75th anniversary of our success story in 2019.

In addition to our headquarters and production site in Switzerland, ROSTA has 6 subsidiaries in Germany, Italy, Canada, the USA, China and Australia with over 120 employees. Our global network with over 30 partners in more than 40 countries positioning us to serve our customers far beyond our borders swiftly and promptly.

Many customers from all industries already benefit from our comprehensive know-how, becoming more profitable and competitive thanks to ROSTA products.

Our components are maintenance-free, noiseless, have a long service life and are used for a wide range of applications. Many years of experience in research and development in our own laboratory and the collaborative work with our partners and customers form an important knowledge base from which we can continue to offer innovative solutions.

OVERVIEW OF ROSTA

History

It began with the search for a simple and inexpensive solution for a trailer: to absorb, dampen and support the axle.

Production

In the end, the ROSTA rubber suspension element is only as good as the rubber inside. Many new possibilities are developing for the improvement of the quality and production of rubber inserts for specific and/or customized applications. This is possible through collaboration with our «own» rubber manufacturer.

Functions

Let yourself be inspired by the wide range of application possibilities for our rubber suspension elements! Tensioning, dampening and supporting are characteristics that require a solution in almost every technical design.

Employees

At ROSTA, we have the best employees. Mutual respect and a friendly atmosphere make our company one big family.

Industries

It started with the axle suspension for a single industry. Today, ROSTA elements are used for countless applications in many different industrial branches. Every day we find new solutions that make our customers more competitive and profitable.

Distribution

Over 30 sales partners advise and support our customers worldwide. Our aim is to work with the best distributors around the world. We train them professionally so they can support their customers in the respective country without delay.

- 1944: Foundation
- 1968: First machine components
- 1978: Own laboratory
- 1992: ISO certification
- 2007: Acquisition Compounds AG
- 2019: Automated manufacturing



75 years of customer-oriented innovation

- Own rubber manufacturer
- The ability to adapt to changing customer and market needs
- Consistently high quality
- Lean Management / 5S
- Core competence in developing complex customer solutions



1.5 million elements sold each year

- Tensioning
- Dampening
- Supporting
- and many more



3 key functions in 1 element

- 35% women in management positions
- 20 different nations
- Average 10 years of service
- Support of development and internal change



120 competent and motivated employees

- Industry
- Mining
- Food
- Agriculture



4 core markets

- Head office in Switzerland
- 6 subsidiaries
- Over 30 distribution partners in 40 countries



5 continents, over 40 countries

INNOVATIVE 75 YEARS

ROSTA – from its origins to tomorrow

What started off in the mid-1940s with just a few car mechanics, developed into a plant for the standardized manufacture of rubber suspension axles for trailers. The design and marketing of industrial components opened up the world markets to the pioneering ROSTA rubber suspension system and helped ROSTA break into international markets. ROSTA products will continue to cause a stir in the world of mechanical engineering and many other industries.

Company founded	Relocation to Hunzenschwil	Set-up of in-house laboratory		Subsidiary founded in Canada
1940	1950	1960	1970	1980
Patent	Rubber spring suspension in axles	First industrial components	Development of AB-elements for screen mountings	Market launch of motor base, MB



ISO certification

Part of the
Polygena Group

Subsidiary founded
in Germany

Subsidiary
founded in
Italy

Acquisition of
rubber factory
Compounds

Subsidiaries founded in China,
in the USA and in Australia

Expansion of
sales network
Automation
Digitalization

1990

2000

2010

2020

2030

Market launch of
universal joint for
gyratory sifters,
AK

Extension of the
screen mounting
AB-TWIN
for heavy loads

Start of the
development
of the 3-rubber
element

Development
of the ROSTA
plastic unit,
RPU

New materials
New moulds
Extension of
functionalities
Sensor system

KEY BUILDING BLOCKS

As a global leader and expert in vibration and tension management, we set the standard for providing added value to all our customers and partners fostering long term and honest relationships.



1

STRATEGY

Our MISSION is to understand the customers needs now and in the future.

Our VISION is that our customers success is our success.

We PROMISE to deliver added value to the business our customers and partners.

2

DIFFERENTIATION

Our COMPETENCIES are global with a localized marketing strategy solidified by a strong innovation team.

Our UNIQUE VALUE PROPOSITION comes from 75 years of experience and our reputation for quality, engineering, problem solvings and speed.

3

INTERACTION

Our CULTURE is based on entrepreneurship with a strong customer and future orientation.

The RELATIONSHIPS we strive for are proactive, long-term, close and in constant contact.

4

COMMUNICATION

Our COMMUNICATION STYLE is unified, concise and globally recognizable.

Our COMPANY CHARACTER respects our history and is open to different views.

TECHNICAL COMPETENCE

Focus for continuous success

In our efforts to make use of our products in countless processing plants and machinery worldwide in an efficient and safe manner, we provide the world market with our know-how, our experience and with our high quality products.

In addition to standard components, we develop custom-made solutions in cooperation with our customers. With our elements, our customers are able to generate added value by designing their products with fewer components. We furthermore assist our customers and partners with the layout of systems using stress simulations.

Trainings

We are happy to pass on our expertise and many years of experience.



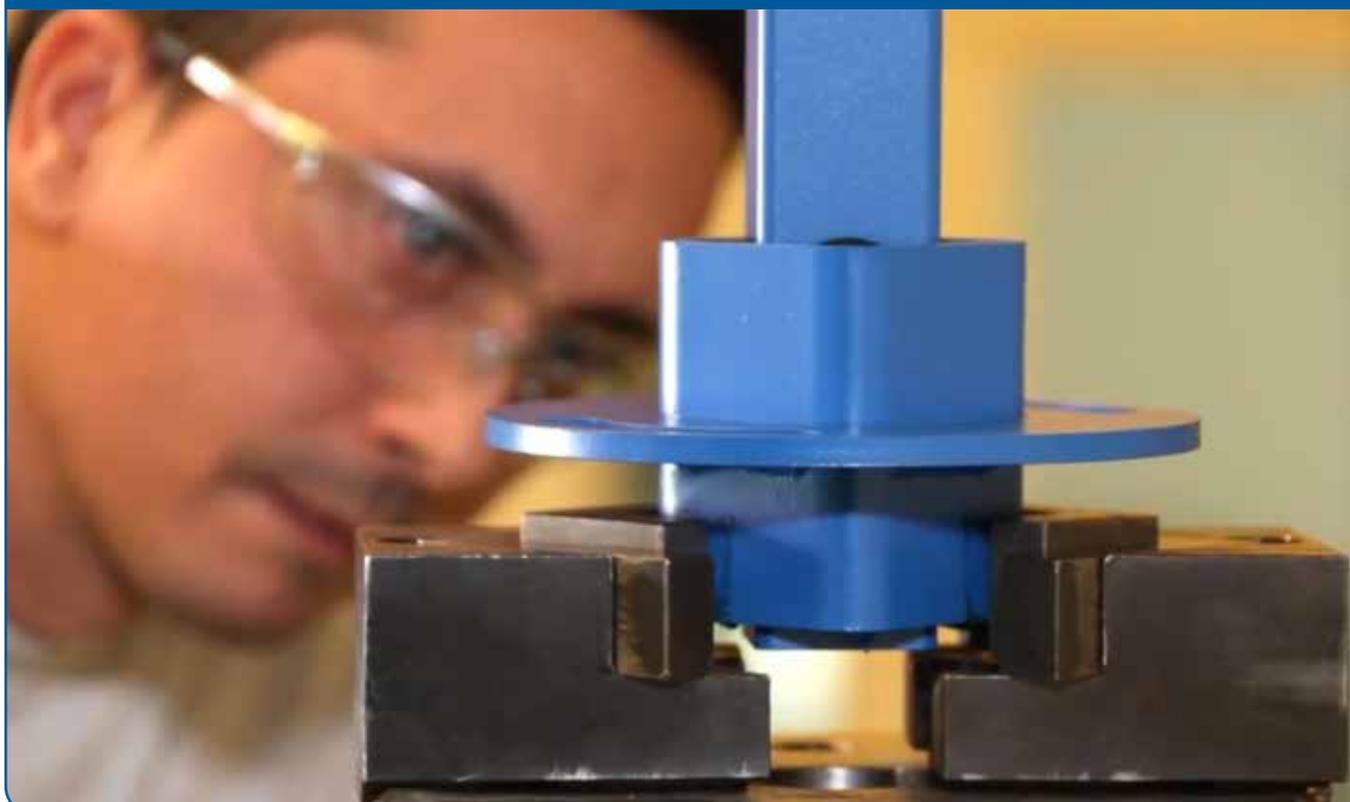
Service

Ensuring the optimum use of ROSTA solutions.

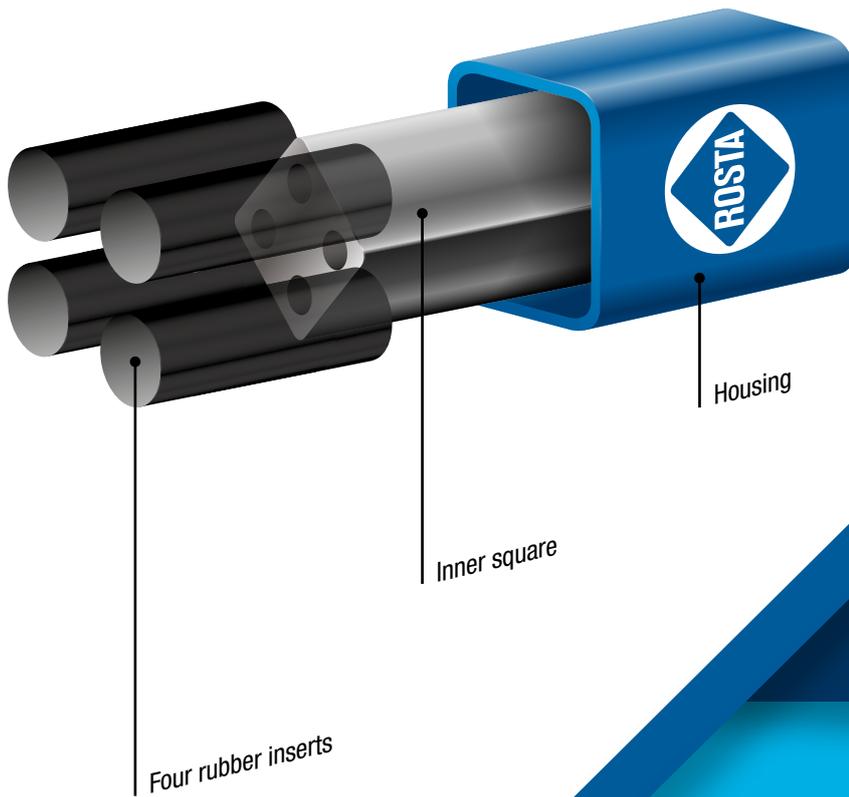
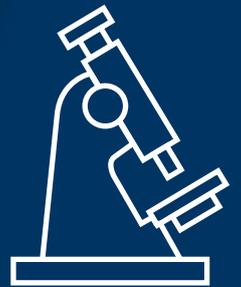
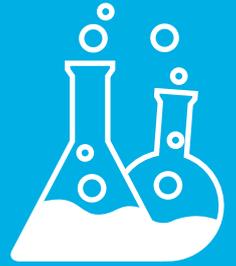


In-house laboratory

High and constant quality is the base of our success.



THE CORE OF OUR PRODUCT



1

DEVELOPMENT

Our development team works closely with our application engineers and customers. We always focus on the customer's needs. New components and services ensure that ROSTA has a competitive advantage.

2

WORKMANSHIP

Production machines, handling equipment, tooling machines and processing systems equipped with state-of-the-art technology can only function perfectly if reliable and motivated employees stand fully behind even the smallest structural components. It is their competence, quality considerations and their great willingness to work that lay the foundations for the production of high quality goods.

3

QUALITY CONTROL

For our customers ISO standards are a guarantee of constant quality and performance. ROSTA is an ISO 9001 and ISO 14001 certified company.

The material tests that take place before and during production are the guarantee for a comprehensive and high quality standard.

4

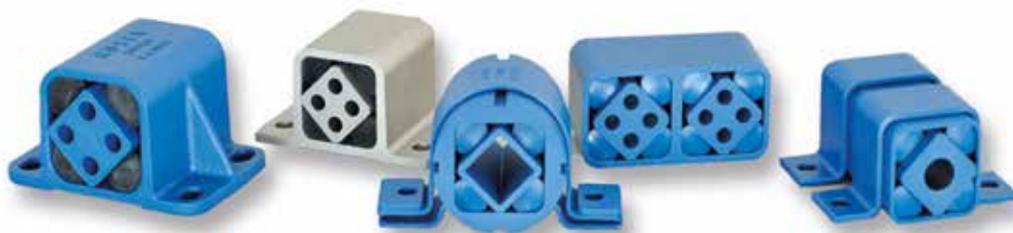
VARIABILITY

Whether in terms of size, requirement and/or application, our elements from ROSTA are very flexible and customisable, which is why they are used in numerous applications.

OUR PORTFOLIO

Rubber suspension elements

Multifunctional elements



Oscillating mountings

Elastic suspensions for screening and conveying



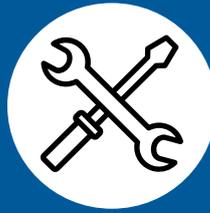
Vibration dampers

Components for shock and vibration absorbing

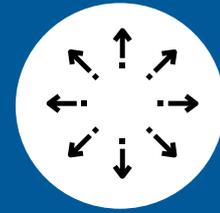




long life cycle



maintenance-free



versatile

Tensioner devices

Tensioner systems for belt and chain drives



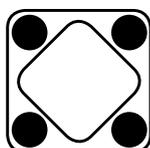
Motorbases

Self-tensioning motor mounts for all friction belt drives

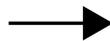


Services

Engineering, process monitoring and simulations.



ROSTA element
with sensor/s



Remote monitoring

WHERE CAN WE BE OF SERVICE TO YOU?

Your interest ...	Description
Tensioning 	Are you looking for a solution that provides optimum force transmission? We offer the right components for all chain and belt drives.
Dampening 	Are you experiencing disturbing vibrations you would like to dampen? We offer both passive and active isolations to absorb the oscillations and shocks.
Conveying 	Would you like to convey goods from A to B and sort or drain them at the same time? We are experts in elastic mountings for all screening machines, shakers and gyratory sifters.
Pressing 	Suffering from wear during performance? Would you like to compensate this with continuous surface pressure? We are the right partner for this.
Guiding 	Are you looking for a cost-effective solution that takes a workpiece or vehicle to the next step in the process? ROSTA offers four different options for this.

Further solutions

Didn't find what you are looking for?

We offer many of other functions and are happy to advise you: www.rosta.com

Applications

Rubber suspen-
sion elements

Oscillating
mountings

Vibration
dampers

Tensioner
Devices

Motorbases

Page

- Compensation for belt slippage in belt drives
- Optimum force transmission in chain drives
- Automatic length adjustment in belt drives
- Absorption of spontaneous shock loads

×

×

×

18

- Impact-resistant vibration dampers for energy dissipation at belt transfer stations
- Anti-vibration machine leveling feet with balancing ball joints
- Tearproof mounting of suspended loads such as crane tracks and cable car cabins
- Vibration-free mounting of motor test stands, emergency generators, compressors, etc.

×

×

×

20

- Guided conveying direction on gyratory and linear screens
- Efficient mounting of guided conveying chutes
- Universal joint bearings for gyratory sifter screening
- Spring accumulator for the resonance-based operation
- Double rocker arms for high-speed vibrating conveyor troughs

×

22

- Belt scraper, simple, efficient and maintenance-free
- Torsion spring bearings with constant surface pressure for workpiece feed
- Pressure spring bearings for continuous surface pressure

×

×

24

- Guide your goods securely from one process step to the next
- Guiding while slowing down, so your vehicle does not become uncontrollable and reaches its destination safely

×

×

×

24

Services

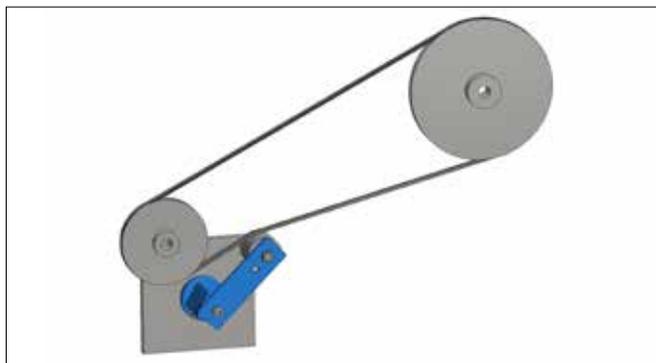
We offer support services for all product groups.
Please feel free to contact us for further information.

TENSIONING

Maintenance-free solution for your design

The maintenance-free tensioner devices and motor bases for all chain and belt drives are designed to optimise the smooth operation and service life of the drivetrain.

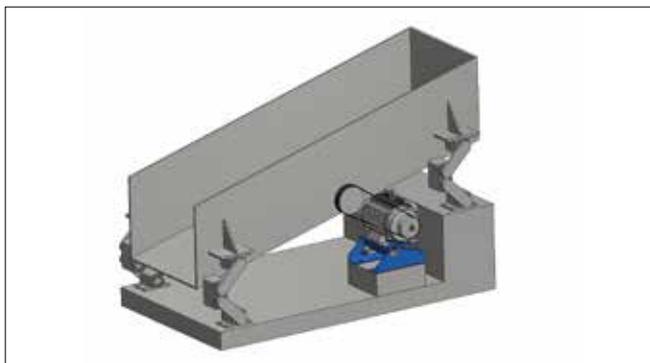
Belt drives



It is especially essential to maintain a constant force transmission in the belt drives. This is guaranteed with the SE tensioner devices from ROSTA. The lengthening of the belt is automatically compensated. It does not have to be re-tensioned by hand.

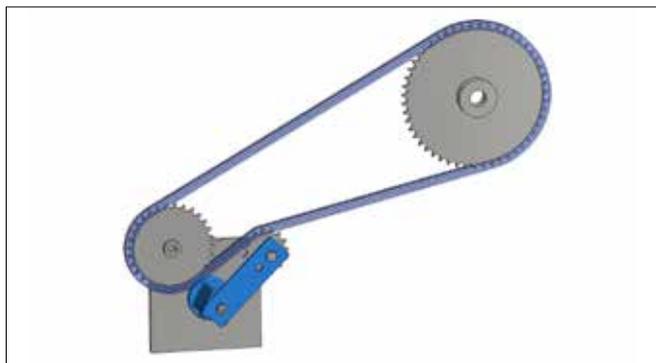
- Constant force transmission
- Automatic re-tensioning
- Compensates for belt elongation

Belt drives with motorbase



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 means significantly lower costs and less time and effort.

Chain drives



When a chain drive is running smoothly, this indicates it is ideally tensioned and there is no wear with the force transmission. When the chain runs steadily and smoothly it guarantees the equipment will function without interruptions.

- Increases the contact radius
- The chain does not skip
- Maximum smooth running



long service life



increased productivity



cost-efficient

Application examples



Tensioner devices for chain drives on loading stations



Motor base in a chipper for the recycling industry



Tensioner device in a wood shredder



Motorbase for crushers



Tensioner device for belt drives in street sweepers



Motorbase in industrial shredder



Tensioner device for belt drives in a combine harvester



Tensioner devices for belt drives in buses



ROSTA Boomerang tensioner to tension long V-belts

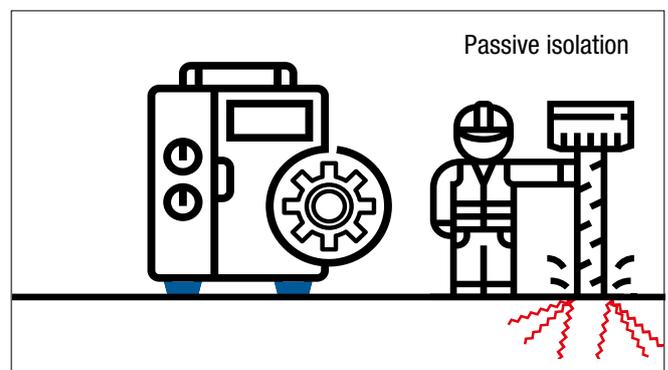
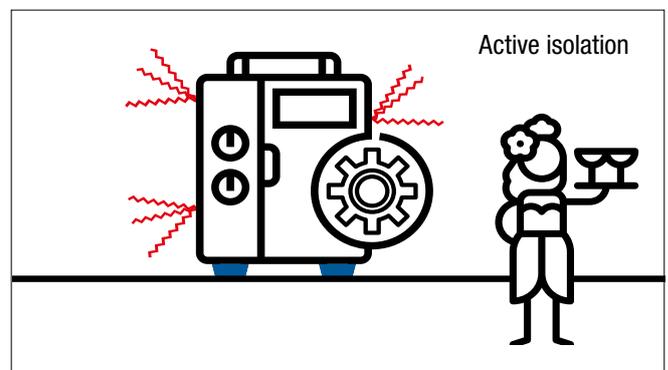
DAMPENING

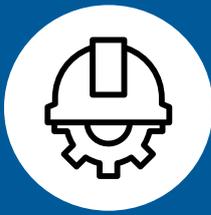
Efficient absorption of disturbing vibrations

Machines and compressors are used everywhere nowadays. They all generate vibrations and noise. With the ROSTA damping systems, we can dampen and keep these vibrations under control.

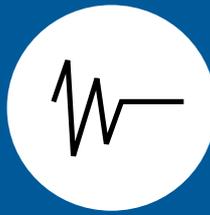
ROSTA has a solution for both actively and directly isolating oscillations and shocks. This is an efficient and secure way to prevent the transfer of machine vibrations, regardless of whether they are continuous oscillations or shocks.

ROSTA dampers protect the equipment and consequently lengthen its service life. The ROSTA elements installed in conveyor belts protect transfer stations against concentrated, heavy loads and, as a result, guarantee operational safety at these points.





smooth operation



effective



easy to install

Application examples



Vibration damper for **recycling crushers**



Rubber suspension elements for wheel suspensions on **sprayers**



Counter-oscillating frame mounting for a vibrating screen



Rubber suspension elements in a **postal vehicle**



Vibration damper for the **impact cradle**



Rubber suspension for the **wheel suspension**



Vibration isolation for an electric cabinet on **construction machinery**



Dampening of an **impact bed** for logs



Cabin mounting with a vibration damper on a construction machine

CONVEYING

Elements for maximum productivity

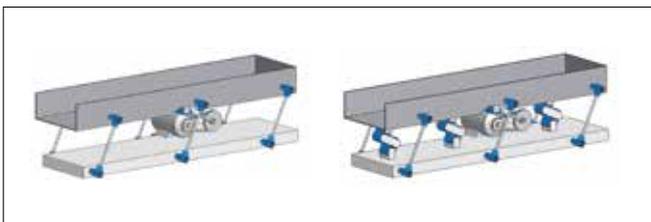
Oscillating conveyor technology has become an integral part of automated and efficient process technology. The compact and secure oscillating conveyor elements from ROSTA are not just a spring but also a damper and a guide all in one. ROSTA has developed reliable and protective components for all kinds of conveying chutes and weights:

One mass circular or linear motion screens



Plants with eccentric drives are ideal for mining, quarries and much more. Thanks to ROSTA, the high forces generated at the start-up and especially when shutting down, are quickly and effectively absorbed.

Guided conveyor chutes – one mass systems with or without

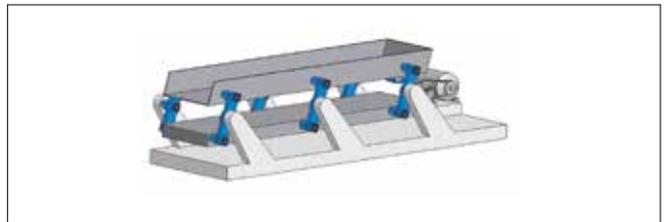


spring accumulator

The «brute force drive» is the most commonly used conveyor system of this kind. It is characterised by the simplicity of its design. Natural frequency shaker conveyor systems are equipped with a spring accumulator between the conveyor trough and the base frame. Thanks to their high dynamic stiffness, the spring accumulators ensure the shaker system runs consistently and smoothly in keeping with the resonance frequency, making it far less susceptible to material fatigue.

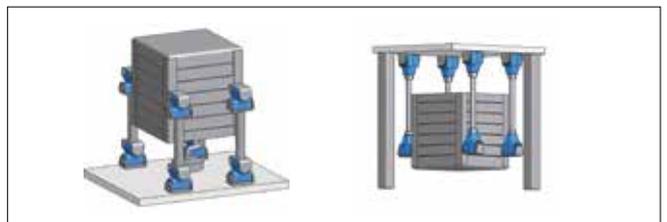
ROSTA has even developed a special protective head for the crank shaft drive, which increases the process reliability and output. These kinds of troughs are needed in the food industry and general materials handling.

Two-mass systems with direct force-compensation



This system is the «fast runner» of the vibratory conveyors.

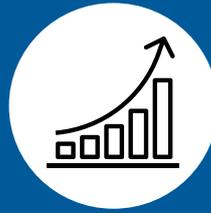
Suspended or standing gyratory sifters



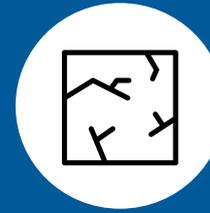
Suspended gyratory sifters are found in the milled rice sector for screening different types of flour. Standing gyratory sifters are often used in the wood industry for sorting wood shavings.



smooth operation



increased productivity



break-proof

Application examples



Two mass shaker for **tobacco leaves** with double rockers



Conveying and screening trough for **wood splinters**



Oscillating mountings for **sorting machines** in the recycling sector



Two mass shaker for bulk solids with double rockers



Oscillating mountings for **isolating the base frame** of vibrating screens



Vertical plane sifter with universal joints



Pasta conveying chute suspended on HS mountings



Washing and drainage screen for vegetables on AB mountings



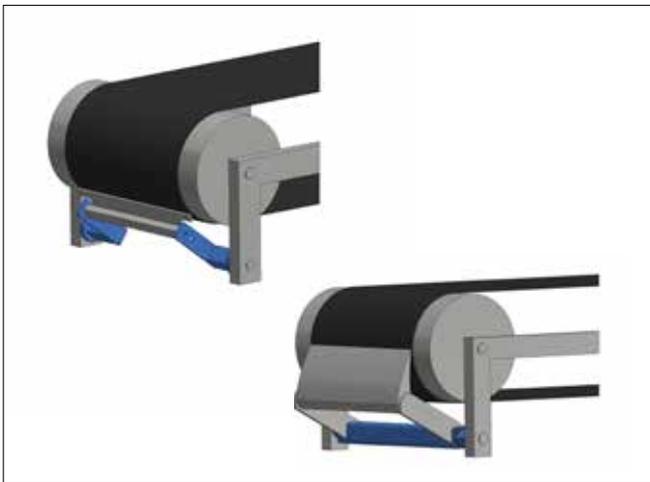
Dosing chute for vegetables on stainless steel ABI mountings

PRESSING GUIDING

Simple design for pressure and guidance

Every conveyor belt only performs as well as it is cleaned. Belt scrapers are needed here. These are often costly constructions that have to be reset on a regular basis.

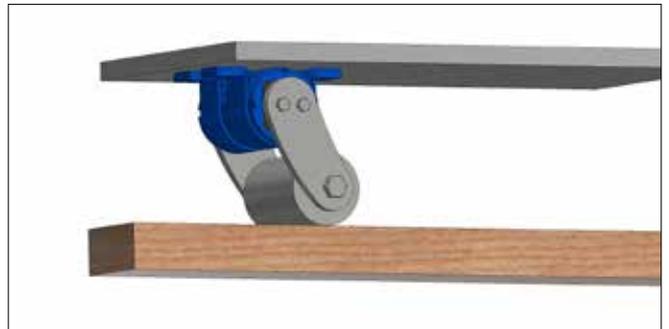
Belt scraper



ROSTA elements used as belt scrapers are a cost-effective and efficient alternative to the customary springs with a tensioning device.

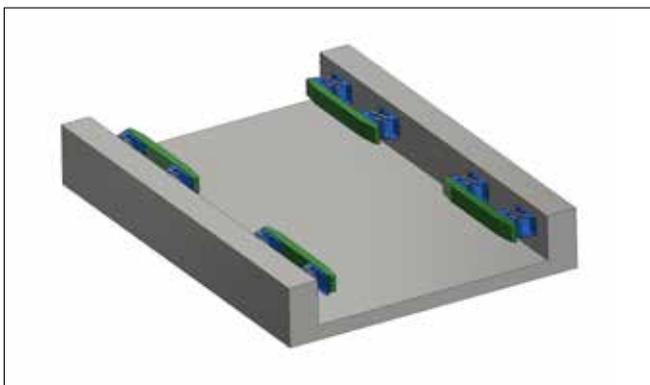
The ROSTA pusher unit re-tensions itself automatically to guarantee continuous pressure on the belt. It is elastic and effectively evens out irregularities.

Hold-down roller



ROSTA components are the cost-effective alternative to costly pressure cylinders as contact pressure rollers in conveyor systems. Constant surface pressure together with the durability and maintenance-free operation increase output and profitability.

ROSTA elements are ideal on production equipment where materials need to be held down or guided with precision. These kinds of pusher units are especially needed in the wood industry, but also in the manufacture of ceramic products.



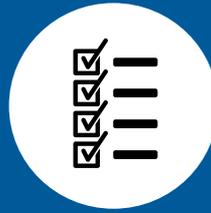
Easy guidance with pressure

Costly installations are often required to guide goods, workpieces and even vehicles in automated production processes.

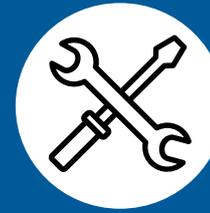
Thanks to the damping of the ROSTA elements, the conveyed goods are smoothly and therefore securely guided and fed to the next process. In addition to guiding, the elements can also slow the goods down through the spring effect.



cost-efficient



maintenance free



easy to install

Application examples



Rubber suspension elements on **recycling conveyor belts**



Tensioner devices on **conveyor belts** in the recycling sector



Tensioner devices as **pusher units** for transfer lines



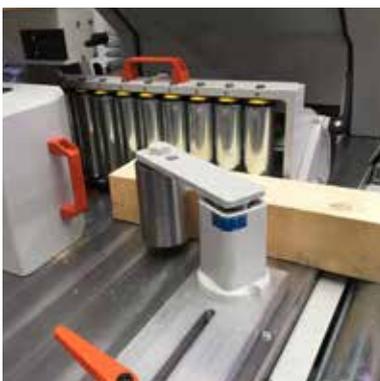
Tensioner device for **conveyor belt scrapers**



Suspension for **belt scrapers** on conveyor belts



Rubber suspension element for **conveyor belt scrapers**



Tensioner devices with a **pressure roller**



Vibration damper installed in the rail section as a **side guide and break**



Tensioner devices with **hold-down rollers**

FEEDBACK FROM OUR CUSTOMERS

A customer's success is also our success

We make our customers even more successful: Whether because of lower running costs, being able to operate equipment without having to stop for maintenance or simply because equipment fitted with ROSTA parts yields a higher throughput. By choosing ROSTA components, OEM customers can distinguish themselves from their competitors and gain a competitive advantage. Customers can upgrade equipment they bought years ago, bringing them up to date.



«This new ATEX certification is an important added value for us, it allows the company to propose screens for applications and markets with high level of explosion proof requirements.»

Paolo Gattesco, Managing Director, CMC Texpan





«The fact that the AB elements are more expensive than the rubber buffers is justifiable because of their effectiveness. The price difference is negligible looking at the gain in productivity.»

Elias Nützi, Managing Director, mwn GmbH



«Thanks to the ROSTA elements, it was possible to improve quality and reduce costs without redesign.»

Fritz Lauer, Engineer, John Deere



75
YEARS

OUR COMPETENCE, YOUR SUCCESS

Subsidiaries

Italy www.rostaitalia.com **China** www.rostachina.com

Germany www.rosta.de **USA** www.rosta.us

Canada www.rosta.ca **Australia** www.rostaaustralia.com.au

Distribution partners

For informations about our distribution partners worldwide please

go to www.rosta.ch/en/contacts/distribution-partners



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