



# ROSTA INSIDE FOOD & BEVERAGE

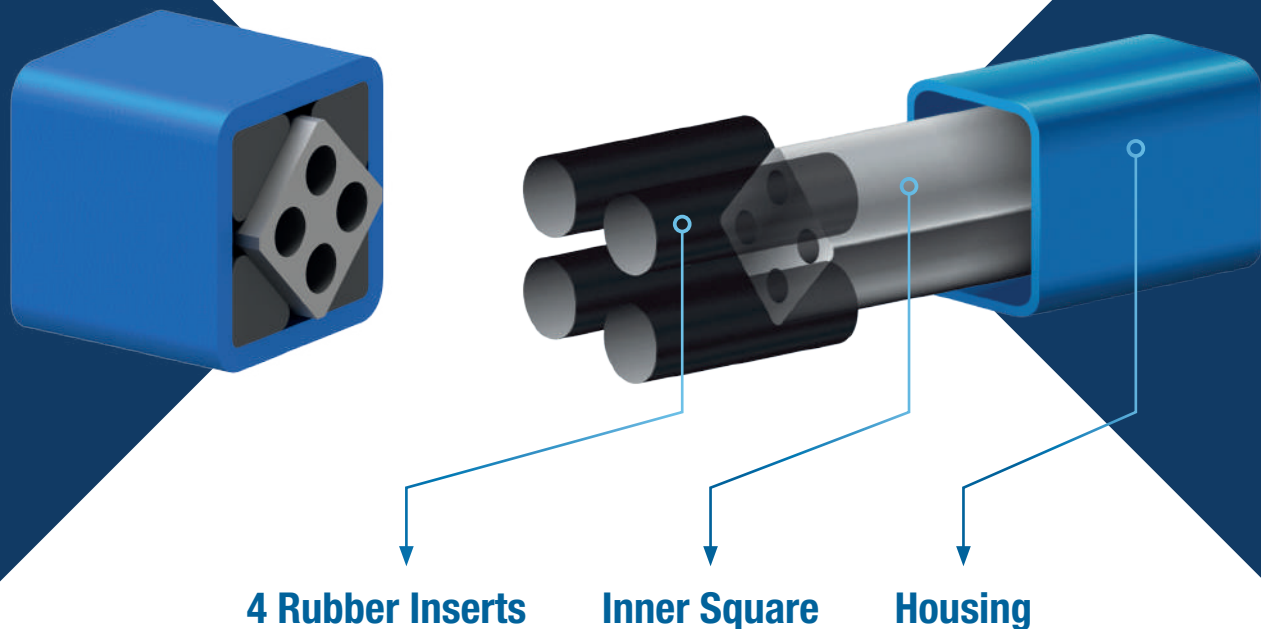
Solutions for Increased Productivity & Output



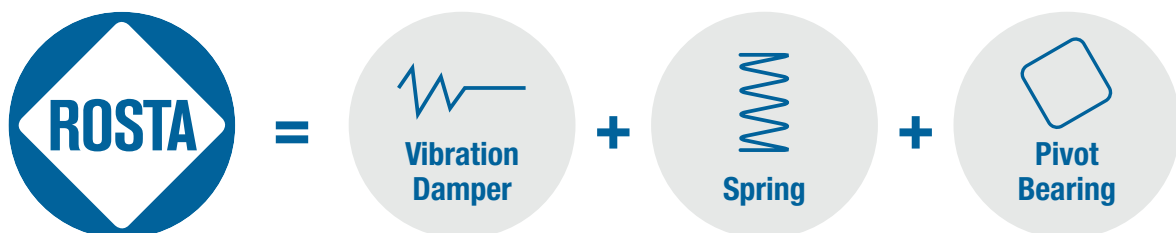
**THE CORE OF OUR EXCELLENCE**

# One Smart Concept, Endless Applications

It all started in 1944 with a clever invention. Today, ROSTA is the world's leading manufacturer when it comes to rubber spring, tensioning and damping solutions.



The ROSTA Element, an elastomer powered torsional spring, is central to our range of specialized machine components designed to provide a combination of useful functions.



# WHY WORK WITH ROSTA

## Efficiency & Productivity

- Increased Productivity
- Smooth Operations
- Quality Materials

## Lower Total Costs

- Longer Service Life
- Maintenance-Free Operation
- Simple, Durable & Noiseless



**CUSTOMER  
VALUE-ADD**

## Service & Aftersales

- Global Presence
- 24/7 Support
- High Stock Level

## Flexibility & Customization

- Control Linear & Rotary Motion
- Torsional Elastomer Spring Solutions
- Customized Engineered Solutions
- Digital Services & Engineering

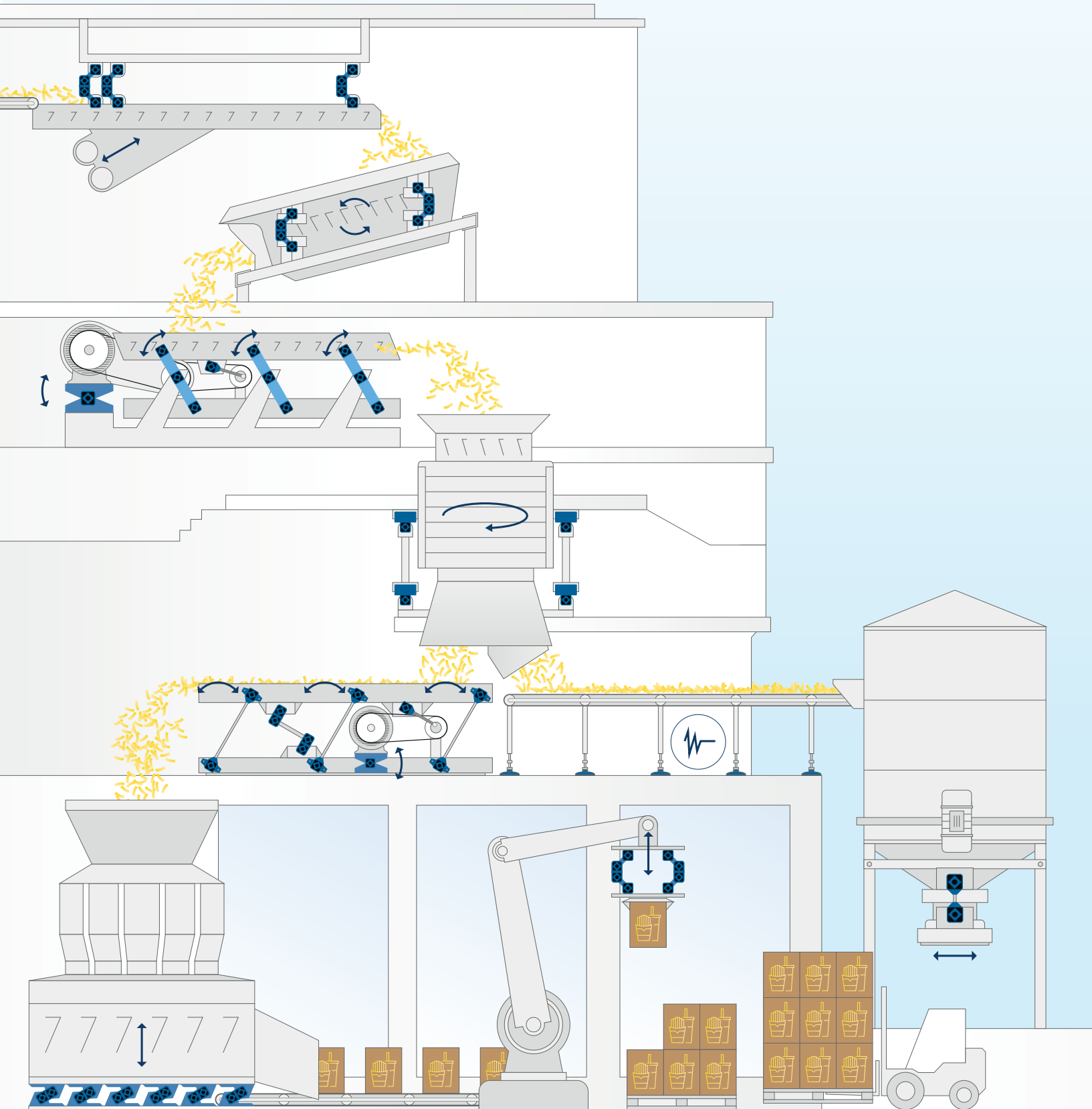
Swiss made 

We are here to support your success. **Contact ROSTA today!**



# ROSTA

## INSIDE FOOD & BEVERAGE



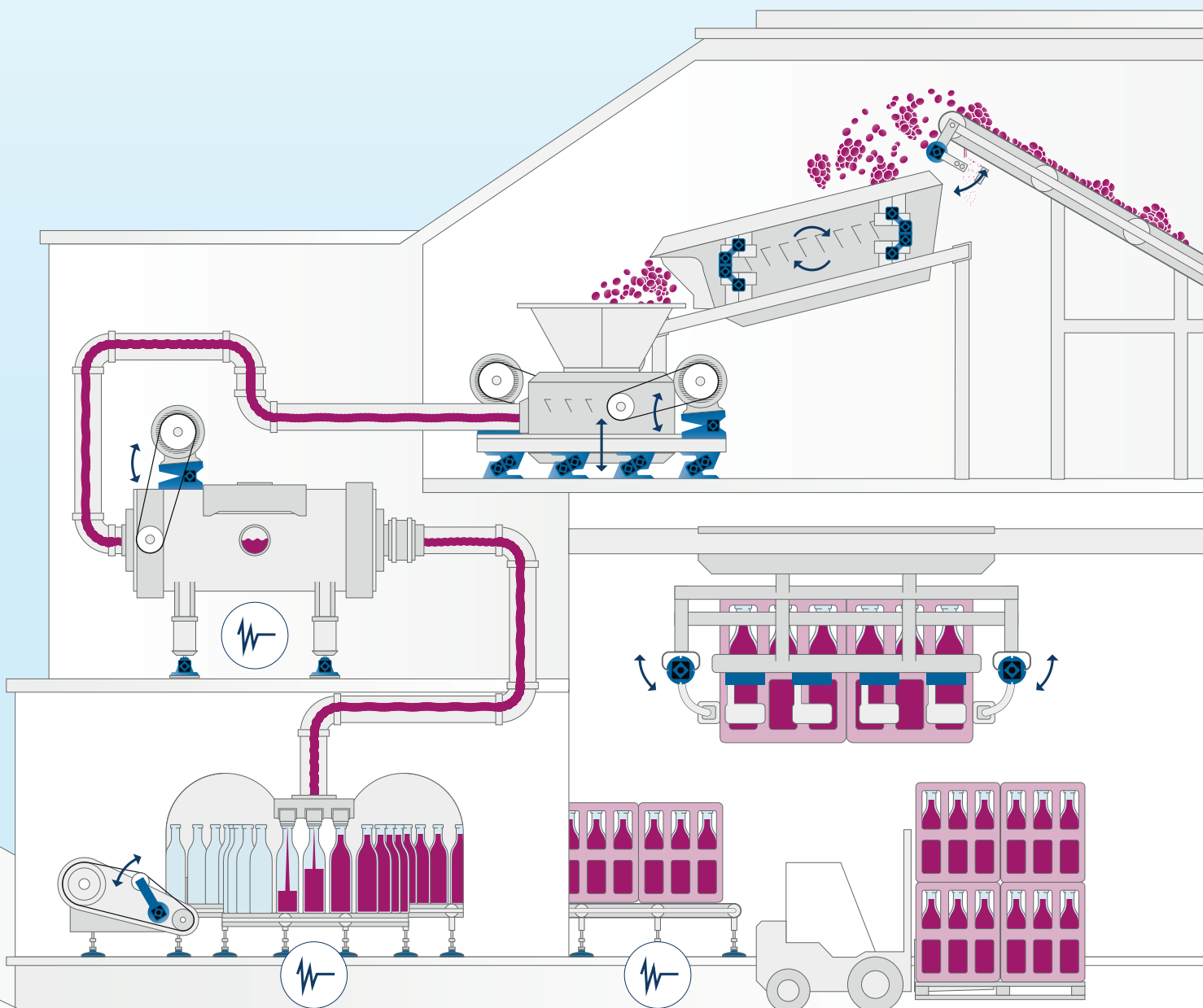
At ROSTA, we understand the dynamic and demanding aspects of the food and beverage industry. Our process flow is tailored to reflect our expertise and insights of the unique challenges of this sector, where efficiency, hygiene and precision are paramount.

- In food processing, every stage – from raw material handling to packaging – demands the highest standards of reliability and quality.
- In beverage processing, the focus is on maintaining consistency and speed, while adhering to stringent safety standards.

**Our ROSTA solutions play a significant role in optimizing the productivity of machines within the food and beverage processes. Our components not only streamline operations but also contribute to maintaining the highest levels of hygiene and safety, essential in this industry. Be smart put ROSTA INSIDE!**

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# SCREENS (CIRCULAR & LINEAR)

Circular and linear screens are used for precise sorting and separation. Their functionality hinges on accurate and consistent performance. **ROSTA Oscillating Mountings** not only enhance vibration control for improved accuracy and extended machine longevity, but the maintenance-free design ensures continuous operation, boosting efficiency and reliability.

### Customer benefits:



**MAINTENANCE  
FREE**



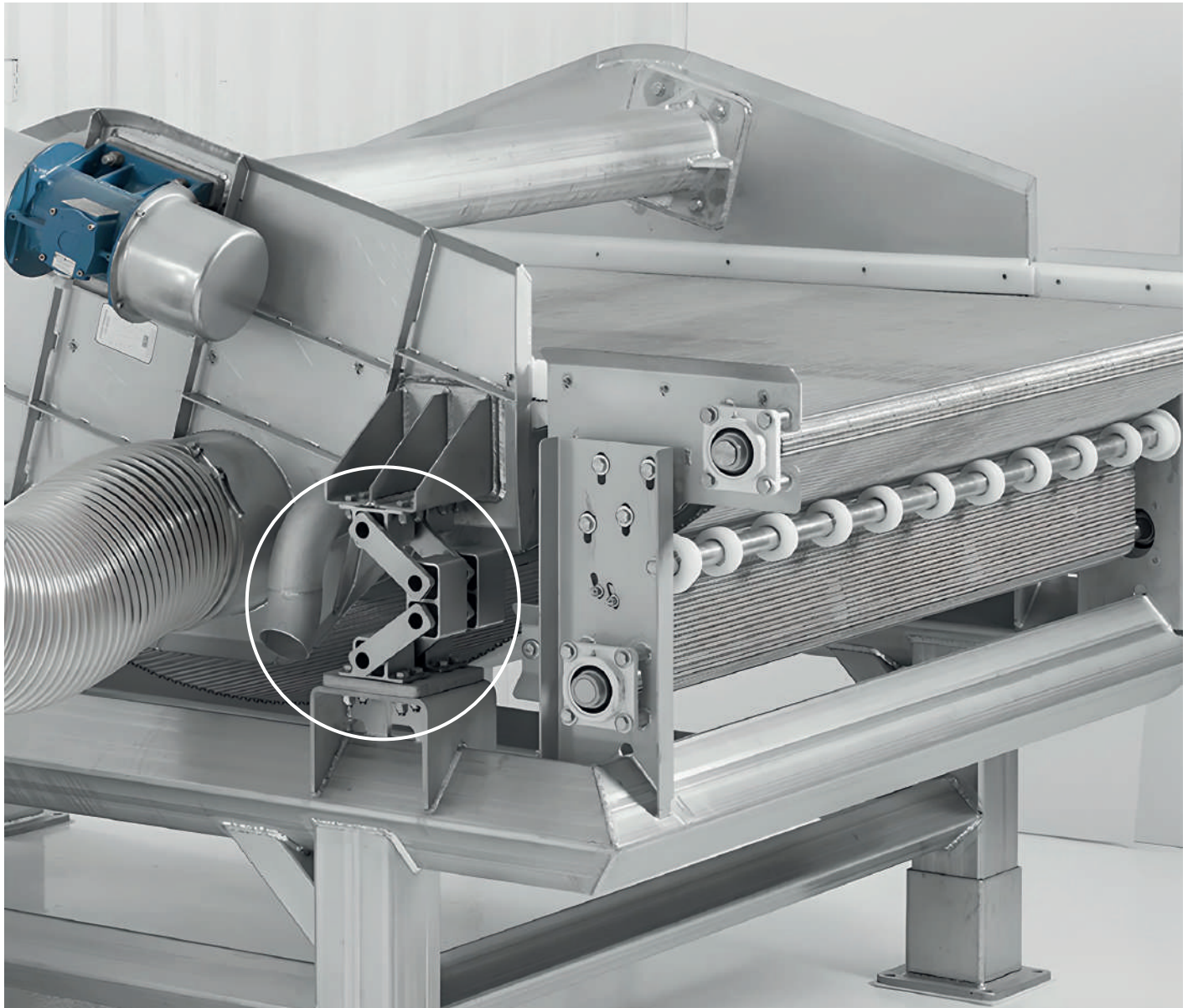
**98% VIBRATION  
ISOLATION**



**SUPPORTED LINEAR  
MATERIAL FLOW**



**HIGHER  
PRODUCTIVITY**





## SCREENS (CIRCULAR & LINEAR)



### Oscillating Mountings: AB / ABI / AB-HD / AB-D\* / AB-LF (Patent Pending)



- High oscillation performance (screen side)
- Effective isolation (frame side up to 98%)
- No lateral tumbling
- Shortens the run-out phase considerably
- Overload/impact proof
- No “anti-pinch protection” required
- Long service life

\* Linear screens only





# GUIDED SHAKER CONVEYORS

Shaker conveyors, employing mechanical crank shaft drives, are widely used to transport and sort fruits, nuts, cereals, vegetables and tobacco. They come in various types: single mass, single mass with spring accumulators and dual mass with force-compensation. **ROSTA provides a comprehensive selection of components, including single and double rockers, spring accumulation elements and drive heads, to enhance efficiency and performance.**

### Customer benefits:



**MAINTENANCE  
FREE**



**LONG  
LIFE CYCLE**

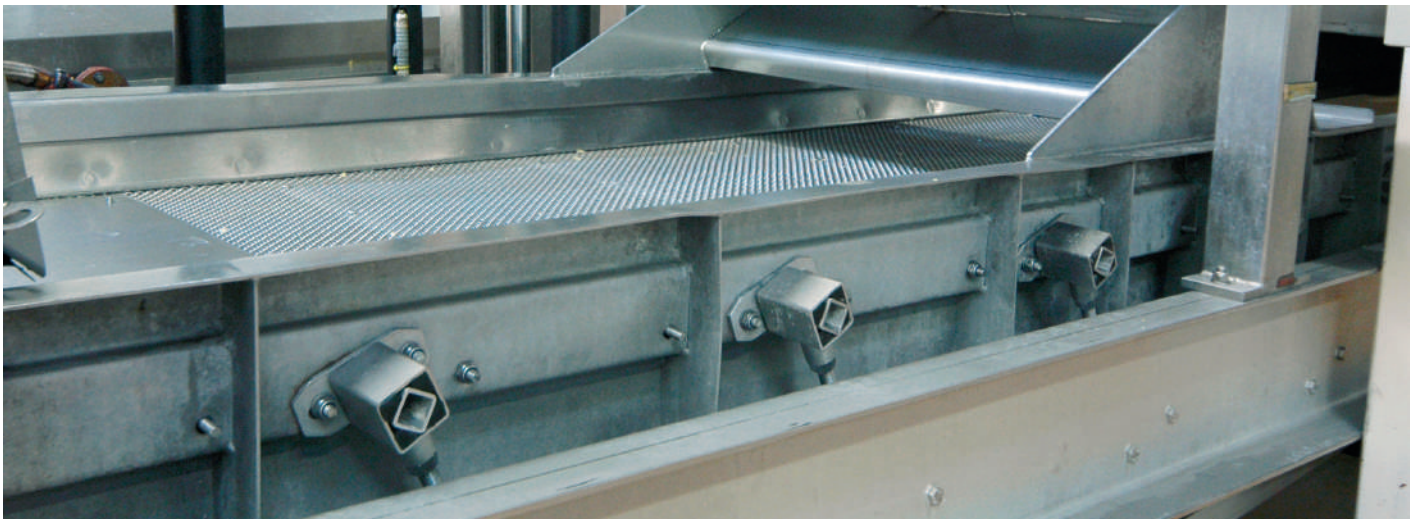


**REDUCTION OF  
NOISE & VIBRATION**



**LOWER TOTAL COST  
OF OWNERSHIP**

## ONE MASS SHAKER SYSTEMS



### Oscillating Mountings:

**AU – Single Rocker**

**AUI – Single Rocker stainless steel**

**AS-C**

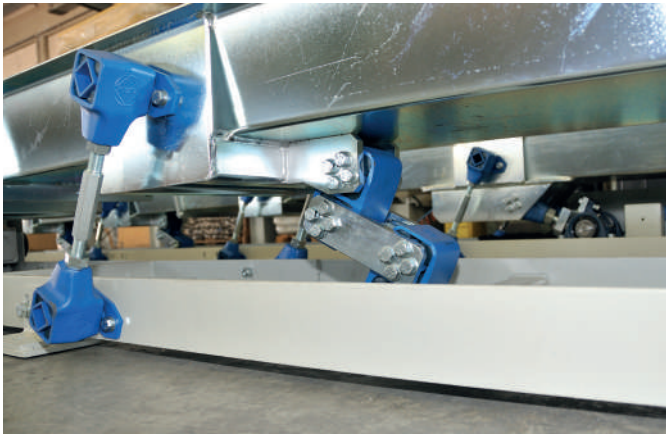


- Excellent through guidance
- Smooth and long stroke motions
- Conveying speed up to 15 m/min
- Trough lengths up to 15 meters

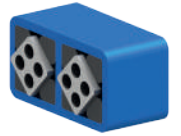




## ONE MASS SHAKER “NATURAL FREQUENCY” SYSTEMS



### Oscillating Mountings: **DO-A – Spring Accumulator**

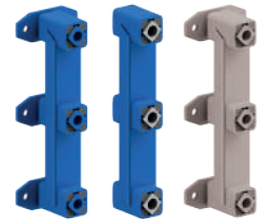


- Recommended for systems operating near resonance frequency
- High dynamic stiffness fully supports the eccentric motion
- Conveying speed up to 22 m/min
- Trough lengths up to 20 meters

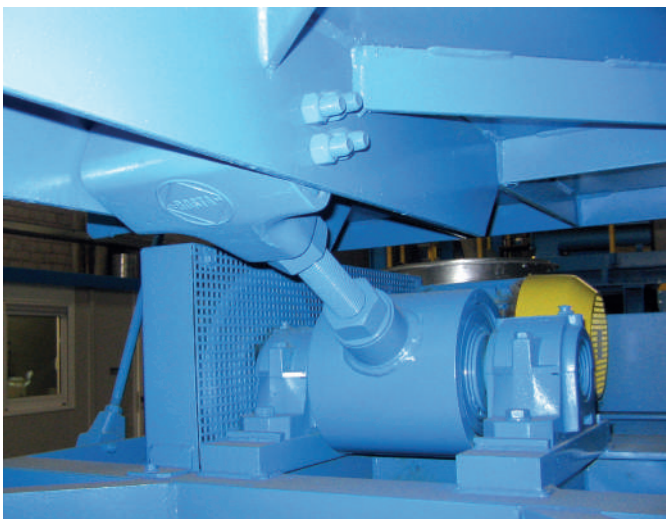
## TWO MASS SHAKER SYSTEMS



### Oscillating Mountings: **AD-P – Double Rocker** **AD-C – Double Rocker** **ADI-P – Double Rocker**



- Excellent trough guidance
- Smooth and long stroke motions
- Damping dead centers
- Acceleration up to 5.0g
- Conveying speed up to 45m/min
- Trough lengths up to 25 meters



### Oscillating Mountings: **ST – Drive Head** **STI – Drive Head stainless steel**



- Elastic drive head
- For crank shaft driven shaker conveyors
- Supports a smooth course of the shaker
- Loads up to 27 000 N

## Oscillating Mountings: AR



- Adjustable arm length
- Long life
- Single or double mass installations
- High strokes
- Two-Way feeding direction with “Boomerang” configuration



## Oscillating Mountings: AD-P – Double Rocker AD-C – Double Rocker



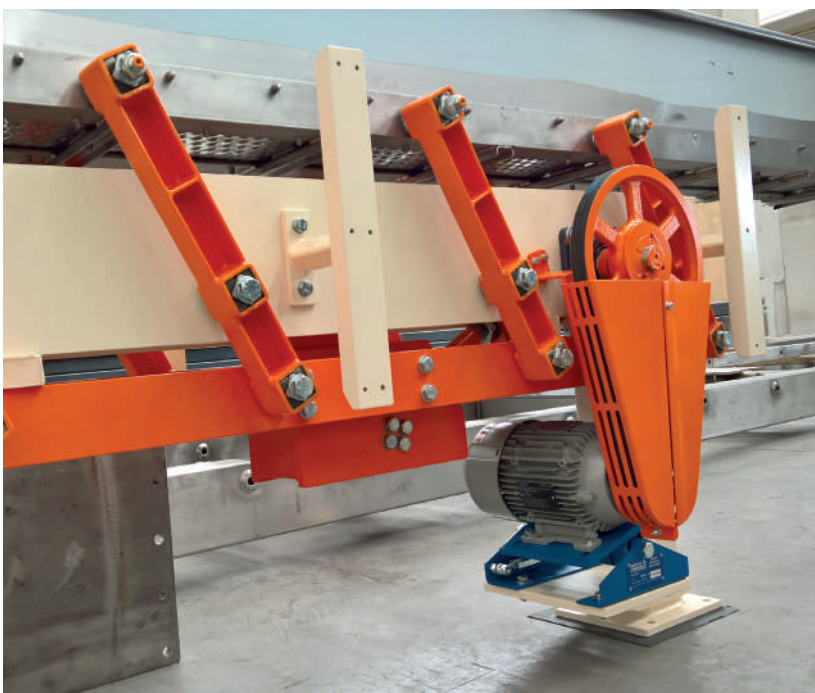
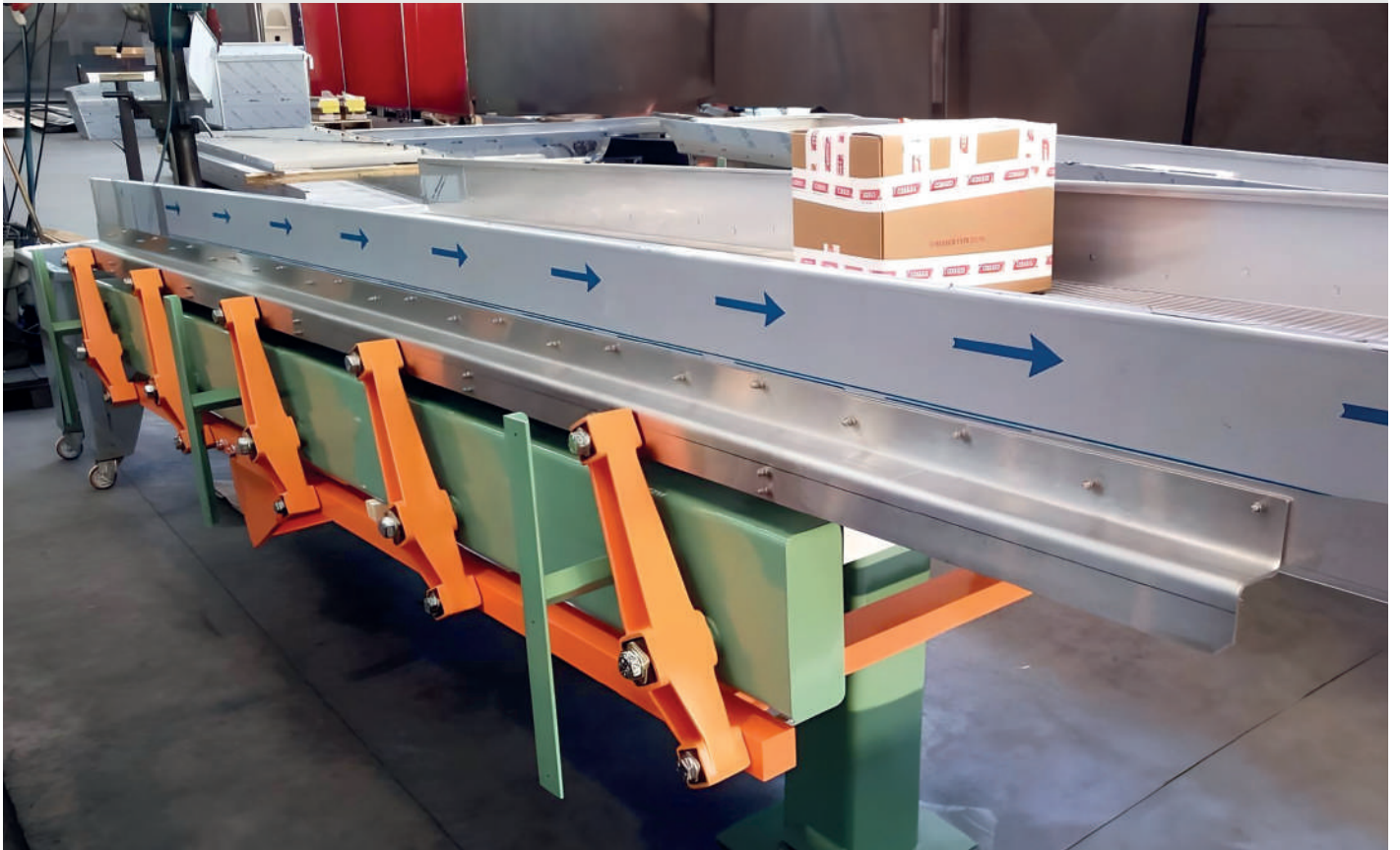
- Excellent through guidance
- Smooth and long stroke motions
- Long service life
- Easy assembling
- Heavy duty design



## GUIDED SHAKER CONVEYORS



The Tobacco Industry represents one of ROSTA's historic markets. For decades, our double rocker arms have been instrumental in achieving high material speeds that are unattainable with alternative systems.



Oscillating Mountings:  
**AD-P – Double Rocker**  
(Customized Design)



Tobacco Industry Standard:  
All moving parts in manufacturing  
machines are orange colored



# GYRATORY SIFTERS (STANDING & HANGING)

These sifters are crucial for the precise sorting of dry ingredients like spices, flour and powdered milk, designed for high-capacity, continuous sifting across diverse materials. **ROSTA's components, including universal joints and Oscillating Mountings are key for durable maintenance-free operation, enabling essential multi-directional movement for thorough and effective particle separation.**

### Customer benefits:



**MAINTENANCE  
FREE**



**REDUCTION OF  
NOISE & VIBRATION**



**FAIL  
SAFE**



**LONG  
LIFE CYCLE**



## GYRATORY SIFTERS (STANDING & HANGING)

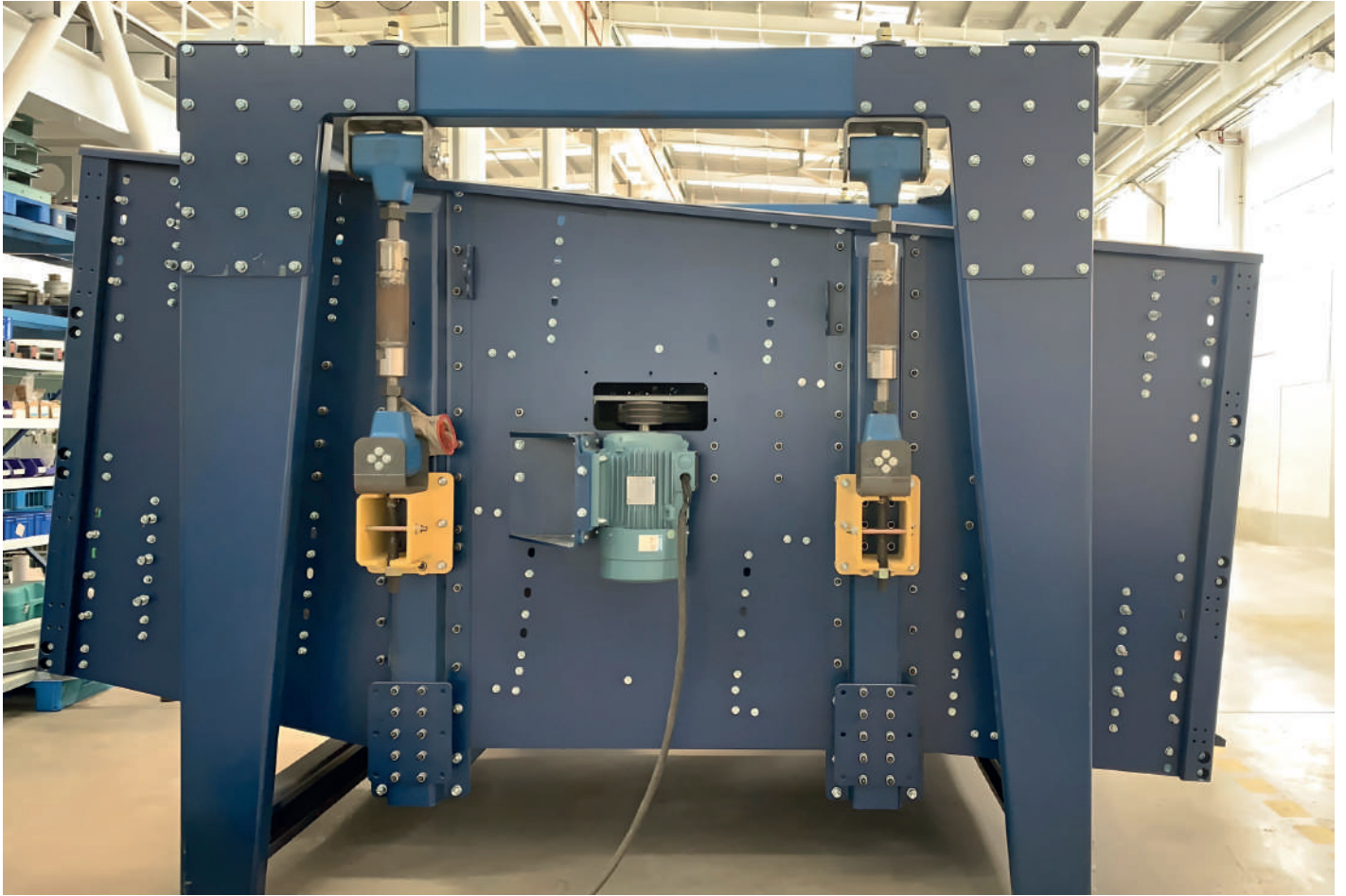


### Oscillating Mountings: AK – universal joint for support or suspension



- High oscillation performance (screen side)
- Effective isolation (frame side up to 98%)
- No lateral tumbling
- Shortens the run-out phase considerably
- Overload/impact proof
- No “anti-pinch protection” required
- Long service life
- Up to 40 000 N load





**Oscillating Mountings:  
AV – universal joint for  
support or suspension**

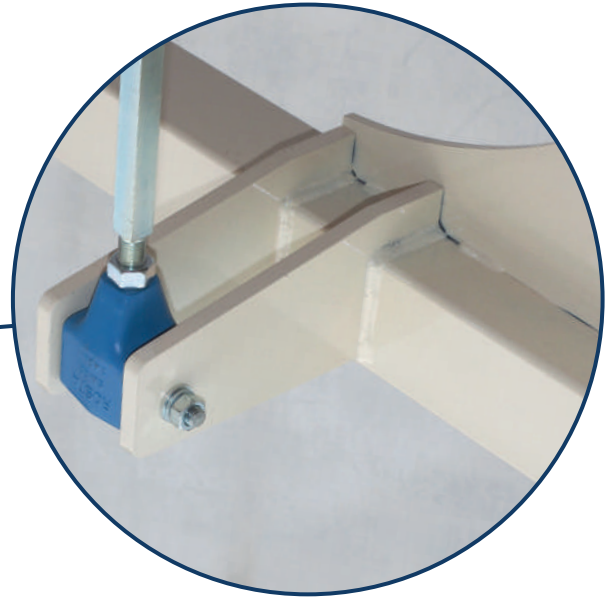


- Increased stroke
- Fail safe feature
- Durable lifespan
- Simple and fast setup
- Elliptical or circular motion option





## GYRATORY SIFTERS (STANDING & HANGING)



# BIN DISCHARGER

Bin Dischargers are essential for managing dry, powdery substances like flour, sugar and salt. **ROSTA's Oscillating Mountings improve functionality by stabilizing and smoothing the discharge process, preventing block-ages.** This enhances material flow, reduces maintenance needs and increases machine reliability and performance.

### Customer benefits:



**MAINTENANCE  
FREE**



**QUIET & SMOOTH  
OPERATION**

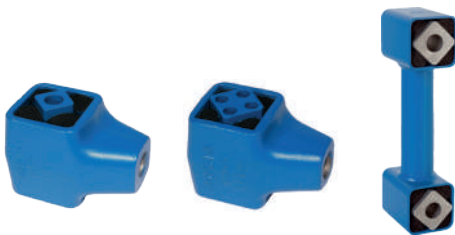


**FAIL  
SAFE**

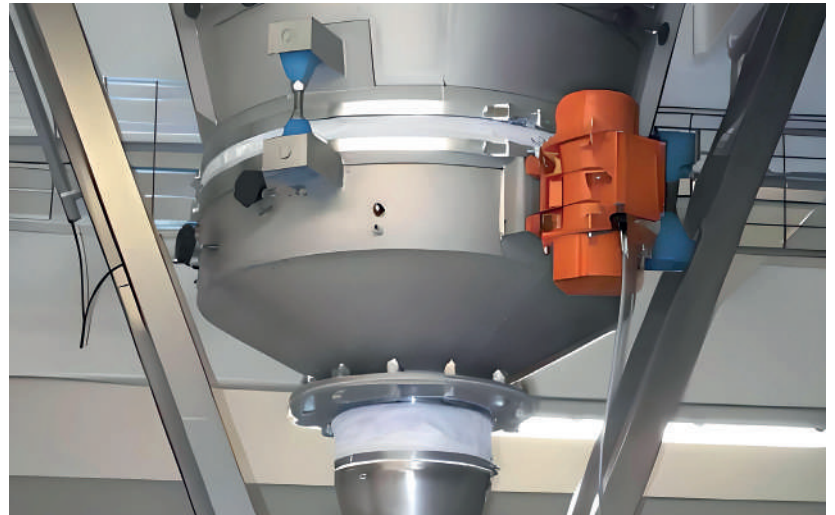


**LONG  
LIFE CYCLE**

### Oscillating Mountings: AV / ST – universal joint for support or suspension AS-C



- High oscillation performance (screen side)
- Effective isolation (frame side up to 98%)
- No lateral tumbling
- Shortens the run-out phase considerably
- Overload/impact proof
- No “anti-pinch protection” required
- Long service life
- Up to 27 000 N load
- Fail safe







**Hanging bin dischargers in flour mills, usually hung by coil springs or vulcanized rods, are complex to install and have the potential to fail, disrupting production. ROSTA ST or AV Oscillating Mountings aim to prolong the discharger's lifespan, boost productivity and in parallel lower maintenance costs.**



# GRIPPING SYSTEMS & PALLETIZERS

**ROSTA Rubber Suspension units are ideal on production equipment where materials need to be held down or guided with precision.** In palletizers precision is key for the robot to obtain a secure hold without damaging the material.

### Customer benefits:



**MAINTENANCE  
FREE**



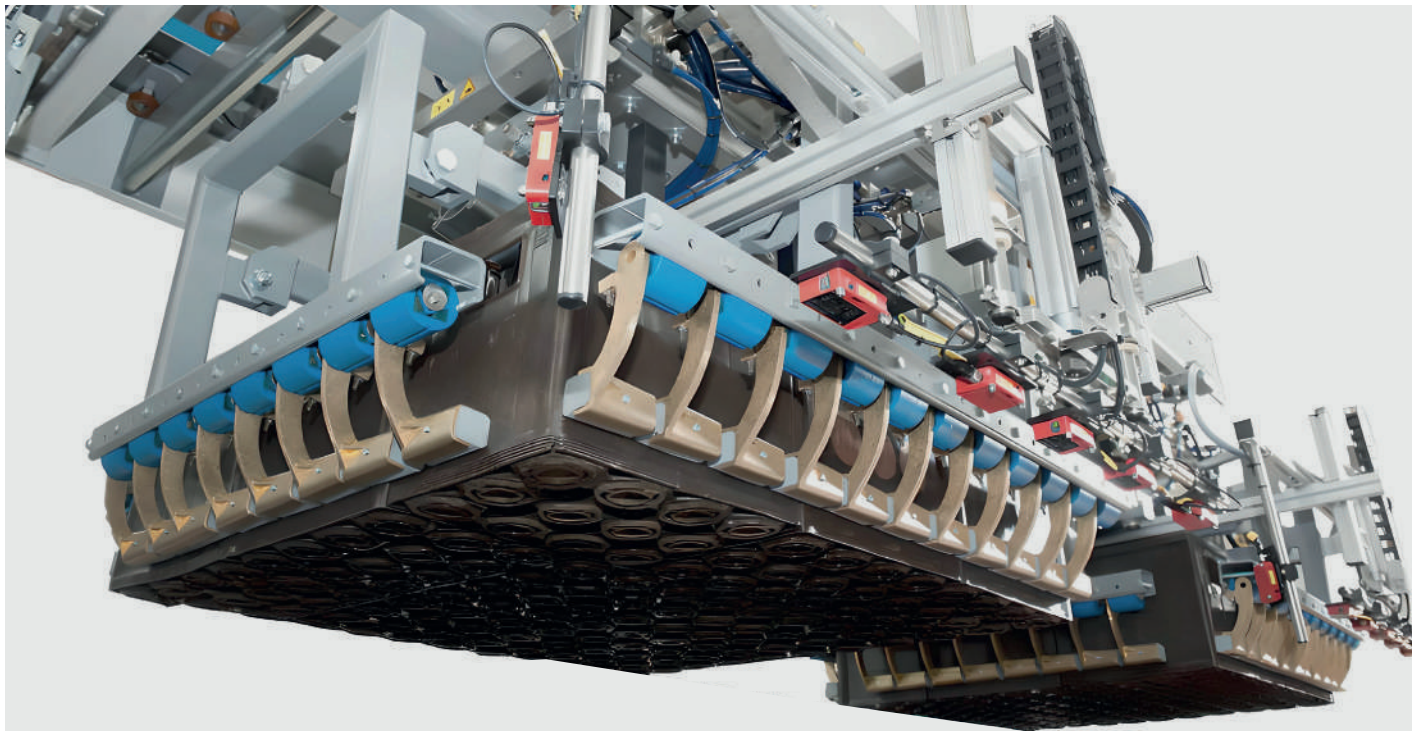
**LONG  
LIFE CYCLE**



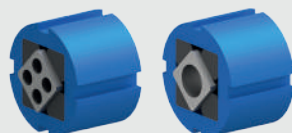
**QUIET & SMOOTH  
OPERATION**



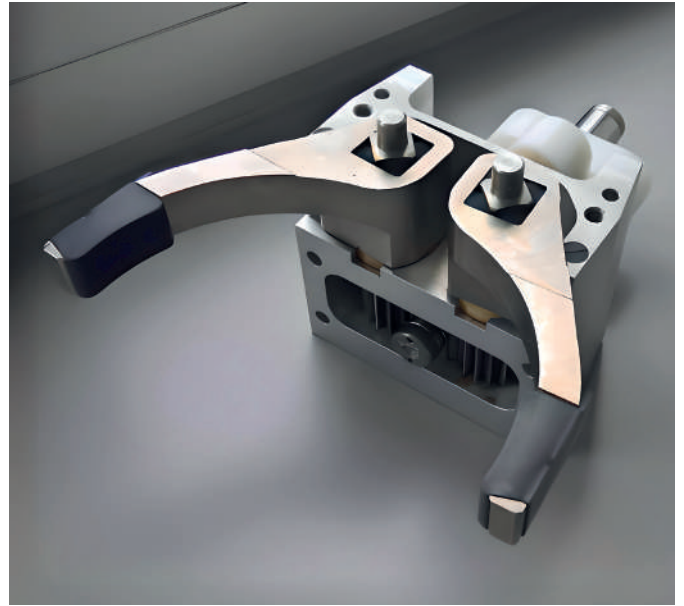
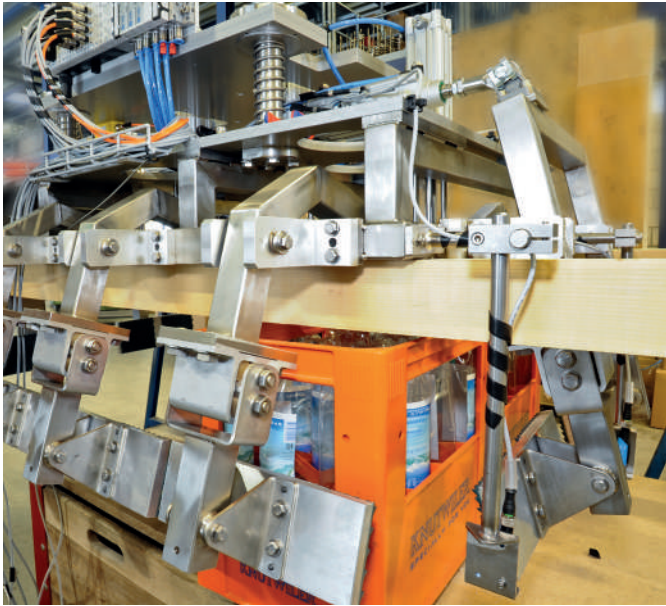
**WIDE PRODUCT  
CAPACITY RANGE**



### Rubber Suspension Units: **DK-A / DK-C**

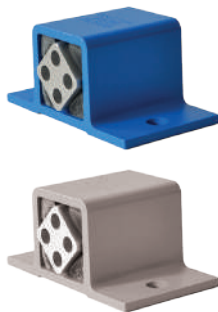


- Controlled pressure
- Easy to install
- Maintenance free
- Simplifies the machine design



## Rubber Suspension Units: DW / DWI (Customized Design)

- Gentle clamping
- Gradual pressure application
- Low noise operation
- Maintenance free



## Rubber Suspension Units: DR / DRI (Customized Design)

- Controlled pressure
- Easy to install
- Maintenance free
- Simplifies the machine design





# BELT & CHAIN DRIVES

In food processing, the difficult-to-access chains and belt drives frequently result in lengthy machine downtimes. **ROSTA's maintenance-free tensioner devices and Motorbase significantly improve drive operation and lifespan by ensuring smooth, consistent force transmission that is crucial for belt drive efficiency.**

### Customer benefits:



**MAINTENANCE  
FREE**



**REDUCE  
DOWNTIME**



**REDUCTION OF  
NOISE & VIBRATION**



**LONG  
LIFE CYCLE**



## BELT DRIVES



### Dynamic Tensioner Devices: Motorbase Series MB 55 & MB 75



- Fast and safe belt change, no realignment required
- Compensation of high start-up torque
- Constant transmission
- Better drive performance
- Energy cost savings

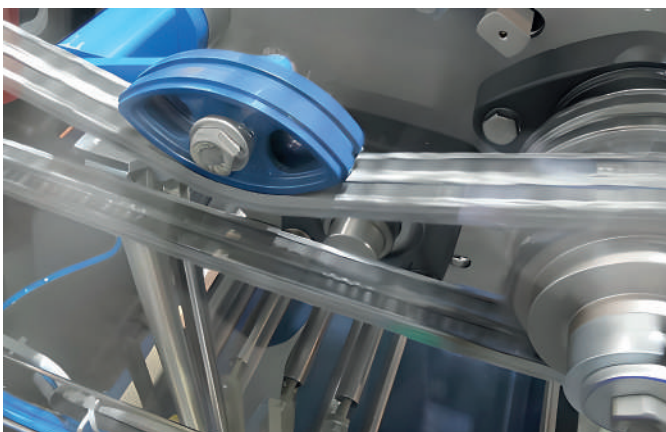


### Dynamic Tensioner Devices: SE-I Tensioners Roller R – Tensioner accessory



- Available in INOX 304 and 316
- Easy to install
- Automatic compensation for belt elongation
- Maintenance free

## CHAIN DRIVES



### Dynamic Tensioner Devices: SE Tensioners Chain Rider P – Accessory



- Self-adjusting drive tensioner – set and forget!
- Increased drive performance
- Reduces wear and tear on ancillary drive components



# ANTI-VIBRATION MOUNTS

Anti-vibration mounts, essential in the food and beverage industry, minimize vibrations and absorb shocks from high-speed equipment such as mixers and packaging machines. All while prolonging equipment life, maintaining product quality and promoting a safer, quieter workplace. **ROSTA's components play a key role in improving machinery stability and durability for efficient food and beverage processing.**

### Customer benefits:



**MAINTENANCE  
FREE**



**LONG LIFE  
CYCLE**

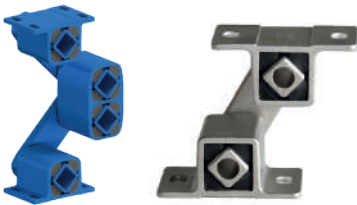


**REDUCTION OF  
NOISE & VIBRATION**



**LOWER TOTAL COST  
OF OWNERSHIP**

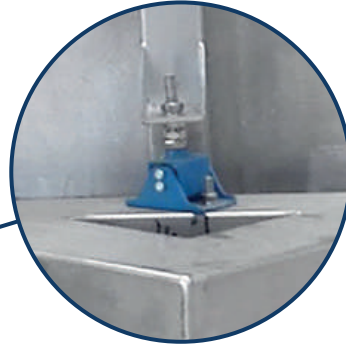
### Anti-Vibration Mounts: AB / AWI



### Big bag applications

- Equally distribute material (coffee, flour, corn) inside bags
- Provide optimal vibration dampening
- Ensure the best solution for material distribution





## Anti-Vibration Mounts: **V**



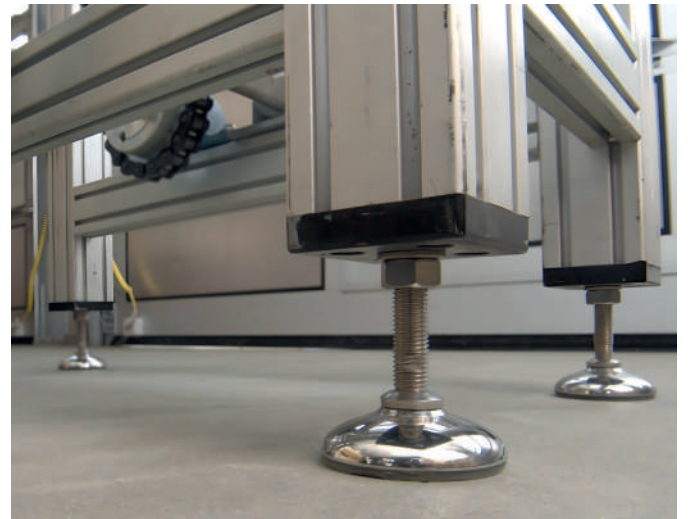
- Low frequencies and a high damping effect
- Effective isolation of impacts and vibrations (High absorption of reactive forces)
- Solid-borne noise reduction



## Anti-Vibration Mounts: **ESL**



- Low frequencies and a high damping effect
- Good isolation of impacts and vibrations (High absorption of reactive forces)
- Solid-borne noise reduction



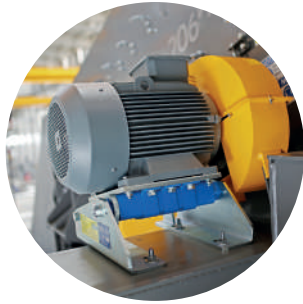
## Anti-Vibration Mounts: **NOX (Stainless steel leveling feet)**



- Low frequencies and a high damping effect
- Good isolation of impacts and vibrations (High absorption of reactive forces)
- Solid-borne noise reduction
- Stainless steel 1.4301 and 1.4305
- Insulating plate (oil and acid proof)



# OUR PORTFOLIO OVERVIEW

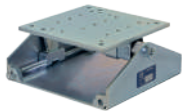


## MOTORBASES

Self-tensioning motor mounts for all friction belt drives



MB 27



MB 38



MB 55



MB 75



## TENSIONER DEVICES

Tensioner systems for belt and chain drives



SE/SE-W



SE-G/SE-I



SE-F



SE-B

### ACCESSORIES:



RL/R



WS



CHAIN RIDER P

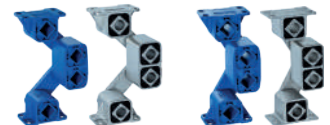


SPROCKET WHEEL N



## OSCILLATING MOUNTINGS

Elastic suspensions for screening and conveying



AB/ABI

AB-HD/ABI-HD



AB-D



AB-LF



AK



AV



AS-C/P



AD-C/P



ADI-P



AU/AUI



AR



ST/STI

Can't find what you need in the catalog?

Our engineering team specializes in developing tailored solutions to meet your requirements.



## VIBRATION DAMPERS

Components for shock and vibration control



ESL



V



AWI



NE



N



NOX



## RUBBER SUSPENSION ELEMENTS

Multifunctional and adaptable suspension elements



DR



DRI



DW



DWI



DO



DK

### ACCESSORIES:



BR/BK



WS



## ROSTA DIGITAL

Industry 4.0  
Monitoring your process and reduce downtimes



SENSORS



DASHBOARD



DATA ANALYST



# ROSTA SUPERIOR SWISS QUALITY AT A GLANCE

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**ESTABLISHED HERITAGE:** Founded in Switzerland in 1944, our roots embody a legacy of superior quality and precision that is recognized worldwide.

**IMPRESSIVE SALES VOLUME:** Our commitment to quality and reliability, across all our core markets, has resulted in an impressive annual sales volume of over 1.5 million units.

**QUALITY ASSURANCE:** Our commitment to quality is reinforced by rigorous in-house quality processes and our ISO certification, ensuring our products meet the highest standards.

**CUSTOMIZED SOLUTIONS:** We are known for developing tailored solutions to meet the specific needs of our clients, setting us apart in our markets.



**GLOBAL FOOTPRINT:** Our strategic worldwide presence allows us to spread our Swiss quality on a global scale.



**EXTENSIVE DISTRIBUTION NETWORK:** We ensure our industry-specific products reach a wide array of customers through our robust distribution network, extending across over 40 countries.



**IN-HOUSE PRODUCTION:** With most of our production taking place in Switzerland, we maintain full control over the quality and efficiency of our manufacturing process.



**UNPARALLELED CUSTOMER SUPPORT:** Our global presence is strengthened by personalized customer support, offering assistance and guidance to customers across all five continents.



**CORE MARKETS:** Specializing in five core markets – recycling, mining, agriculture, food & beverage, and eMobility – our expertise also extends to various other markets, enabling us to serve a wide range of customer needs effectively.



**COLLABORATIVE INNOVATION AT OUR CORE:** Our R&D department works closely with application engineers, fostering a culture of innovative and customized solutions, continuously evolving to meet market trends and demands.

# SERVING OUR CUSTOMERS WORLDWIDE

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## HEADQUARTERS

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## ROSTA DISTRIBUTION PARTNERS

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For information about our distribution partners worldwide please use the qr-code or visit [www.rosta.com/en/distribution-partners](http://www.rosta.com/en/distribution-partners)

ISO 9001  
ISO 14001  
BUREAU VERITAS  
Certification



**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.



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