SWF KRANTECHNIK



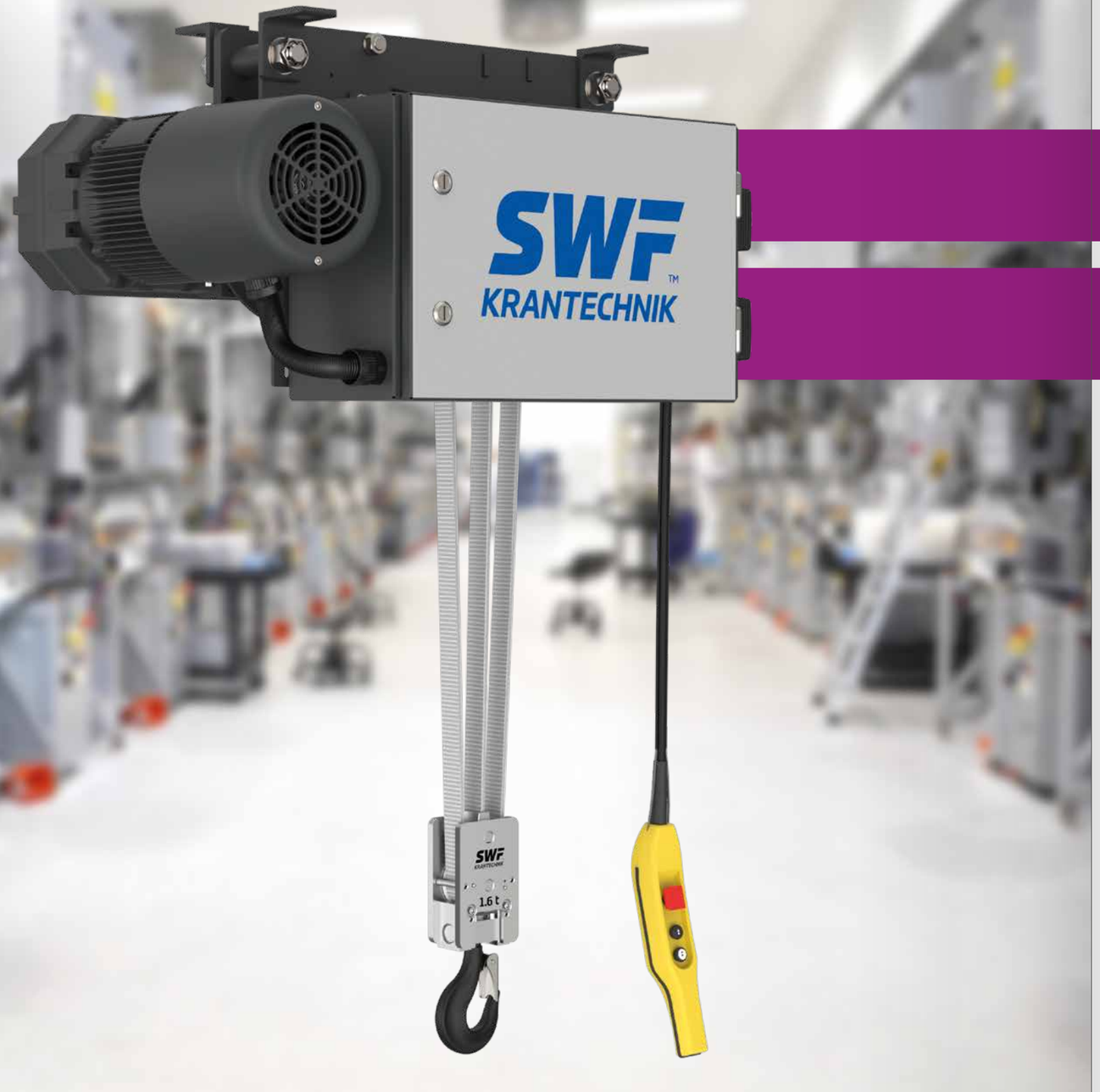
ATHLO *belt*

Two worlds. One solution.

www.swfkrantechnik.com

makes it easy.

makes it easy.



For Demanding Industries

Belt-Based Versatility – Up to 6.3 Tonnes

Whether facing the highest hygiene requirements, abrasive dust, humid conditions, or corrosive environments, the belt hoist ATHLO *belt* has been specifically designed for applications where conventional chain or wire rope hoists reach their limits.

Thanks to its lubrication-free Dyneema® lifting belt, smooth running characteristics, and a wide range of configuration options, ATHLO *belt* is the ideal solution for industries with demanding requirements regarding cleanliness, precision, and reliability.

Your Benefits at a Glance

No Lubrication – No Contamination

The synthetic Dyneema® belt requires no lubrication whatsoever, making it ideal for clean and sensitive production environments.

Vibration-Free Operation

No polygon effect as with chain hoists, ensuring smooth and precise load handling – ideal for jib cranes and light crane systems with long spans.

Certified Cleanliness

ATHLO *belt* size 2 is cleanroom certified according to ISO 14644-1 and ISO 14644-14 (Class 7) and tested according to ISO 16232 for technical cleanliness.



Maximum Cleanliness

Sealed bearings, belt and guide pulleys without metal abrasion, and numerous stainless-steel options minimize particle emissions.

Reliable in Harsh Environments

Resistant to moisture, chemicals, and abrasive dust, resulting in significantly lower wear compared to chain and wire rope hoists.

Easy Cleaning

Smooth surfaces, a lubrication-free design, and corrosion-resistant materials enable fast and effective cleaning, including with water or high-pressure systems.











Industries & Applications



Food Industry

For Processes Where Hygiene Comes First.

Where hygiene, product safety, and ease of cleaning are critical, ATHLO *belt* sets new standards. The lubrication-free Dyneema® belt, corrosion-resistant materials, and smooth surfaces minimize contamination risks while supporting efficient cleaning processes. This creates a reliable hoisting solution for sensitive food processing applications.



Your Benefits

- Lubrication-free, hygienic lifting belt
- No metal particles in the production area
- Easy to clean
- Stainless-steel options for hooks, hook blocks, pulleys, and housing
- Optional IP66 protection for wet and hose-down cleaning

Typical Applications

- Food processing and handling
- High-humidity environments
- Hook operation in water, steam, or mildly alkaline environments



Pharmaceutical and Medical Technology

For Production Environments with the Highest Technical Cleanliness Requirements.

When cleanliness allows no compromise, ATHLO *belt* offers lubrication-free operation, low particle generation, and tested technical cleanliness for demanding manufacturing environments.

Your Benefits

- No lubricants, no particle contamination
- Tested for technical cleanliness according to ISO 16232
- High chemical resistance
- White belt colour for easy visual inspection of contamination

Typical Applications

- Big Bag Handling
- Material transport in sensitive production areas
- Maintenance and service applications



Chemical and galvanisation industry

Reliable in Highly Corrosive Processes and Aggressive Environments.

Corrosive environments require robust solutions. ATHLO *belt* offers excellent resistance to chemicals and moisture, ensuring reliable operation even in demanding processes.

Your Benefits

- Dyneema® belt with exceptionally high chemical resistance
- Extensive stainless-steel options
- Sealed bearings for maximum service life
- Optional heat protection for demanding processes

Typical Applications

- Operations in highly corrosive environments
- Use above chemical or galvanic baths



Abrasive Dust, Powders, and Bulk Materials

Ideal for Dust, Flour, Sand, Glass, or Plastic Granulates.

Where dust, powders, and granulates are part of everyday operations, ATHLO *belt* excels through reduced wear, high reliability, and a lubrication-free design.

Your Benefits

- No dust adhesion caused by lubricants
- Significantly longer service life than chain hoists
- High reliability even under continuous dust exposure

Typical Applications

- Big Bag Handling
- Foundries, grinding shops, and material processing facilities



Technical Cleanliness and Cleanrooms

When Even the Smallest Particles Matter.

When technical cleanliness determines product quality, ATHLO *belt* provides a reliable solution for sensitive areas with the highest requirements for cleanliness and process safety.

Your Benefits

- Suitable for applications according to ISO 16232
- Size 2: Cleanroom Class 7 certified according to ISO 14644-1 and ISO 14644-14
- Ideal for maintenance and service work in cleanrooms and clean environments

IPA
Cleanroom (atmospheric)
valid until
Fraunhofer
TESTED® DEVICE
Belt Hoist
Report No.



Flexible Configuration – Tailored to Your Requirements

- Various trolley designs and headroom options
- Stepless hoisting and trolley travelling optional
- Load capacities up to 6,300 kg
- Electronic overload protection
- Two frame sizes:
  Size 2 up to 2,000 kg & size 5 up to 6,300 kg
- Comprehensive stainless-steel and protection options

Belt Hoist or Chain Hoist?



	Chain Hoist	Belt Hoist
Travel characteristics	Polygon effect possible	Calm & steady
Maintenance effort	Higher maintenance effort	Lower maintenance effort
Cleaning	Higher cleaning effort	Lower cleaning effort
Technical cleanliness	✗	✓
Cleanroom suitability	✗	✓
Low-particle operation	✗	✓
Harsh environments	✗	✓
Longevity	✗	✓
Purchase price	✓	✗
Total cost optimization (TCO)*	✗	✓
Corrosion resistance	✗	✓
Dead weight	✓	✗



*Depending on the application



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