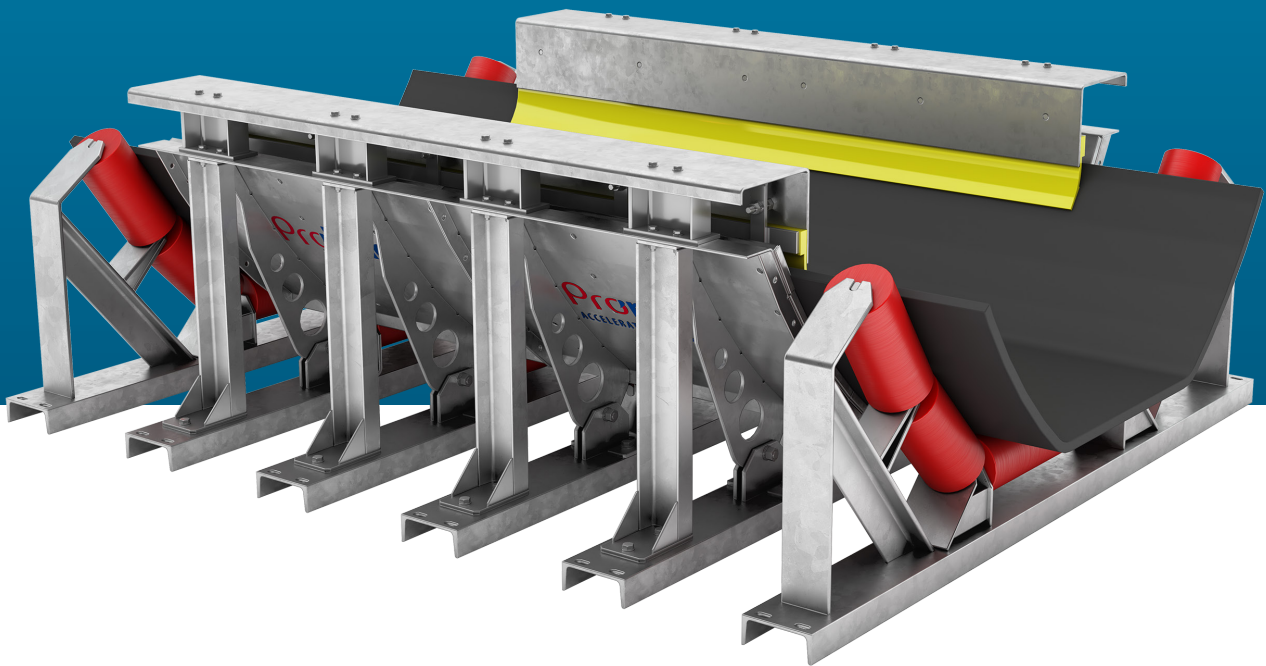


BLU-TEC
POWERED BY **Promati**

BLU-TEC® Proload

Avoid product loss with
dust- and spillage-free loading



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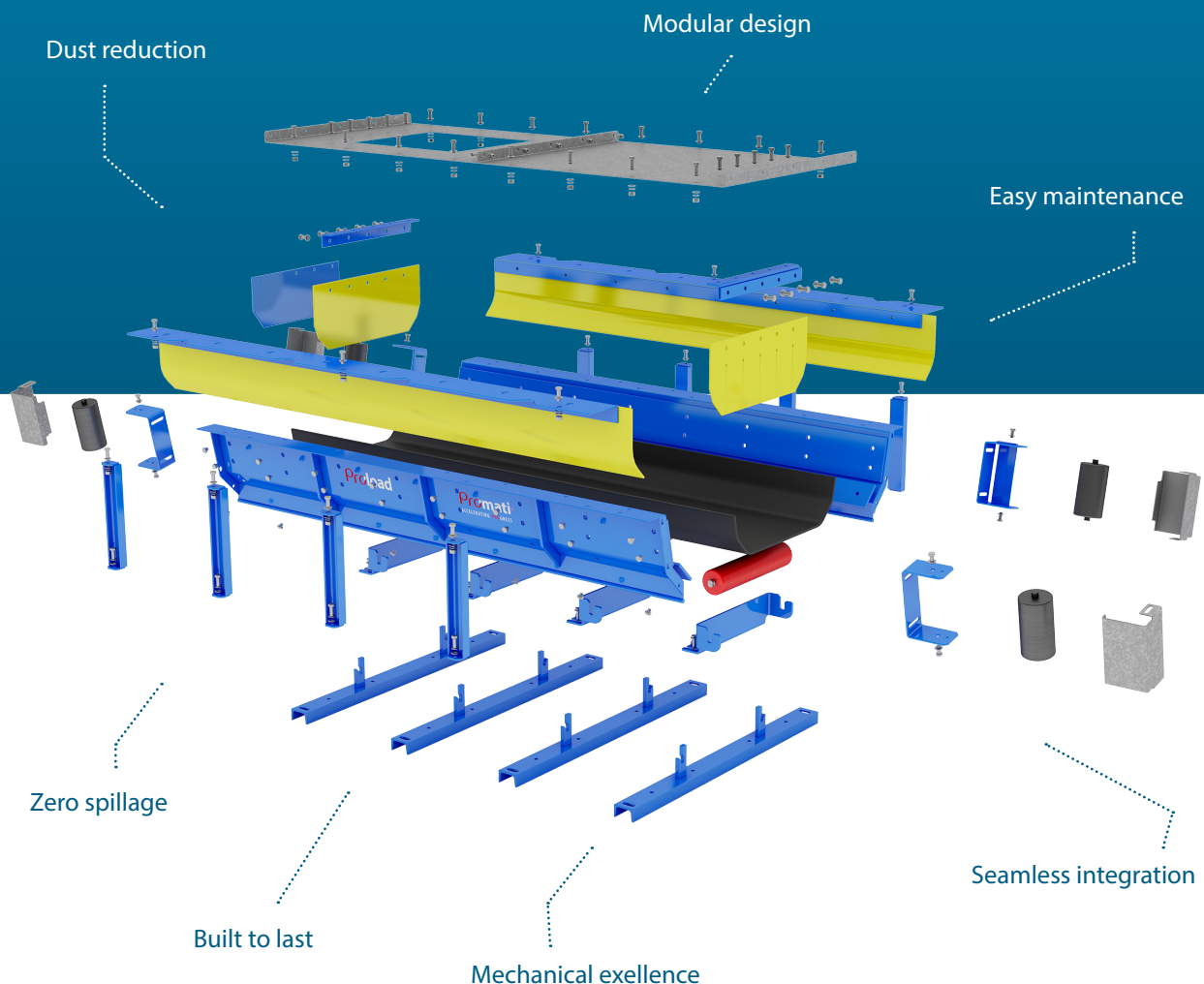
BLU-TEC® Proload

One of the prevailing challenges in conventional dust reduction systems for belt conveyors is their installation after the chute—essentially addressing the issue too late. The primary genesis of dust and spillage occurs precisely at the chute, where the product descends, creating substantial air turbulence and, subsequently, a considerable amount of dust. Conventional dust-tightening measures often fall short, leading to persistent dust and spillage issues. Moreover, standard dedusting solutions like suction systems and electro-static filters prove ineffective in mitigating this specific problem.

We present you our Proload: our innovative solution engineered to redefine dust reduction for belt conveyors.

Advantages

- ✓ Built to last
Robust features and reliable design, capable of withstanding heavy-duty operations, ensuring longevity and durability.
- ✓ Easy maintenance
The design prioritizes easy maintenance, reducing downtime associated with regular checks and ensuring consistent, trouble-free performance.
- ✓ Versatile application
Not limited to specific products, making it applicable to a wide range of materials and goods.
- ✓ Fast returns
Efficiency and cost-saving features contribute to a fast payback time, making it a wise investment for long-term operational benefits.



BLU-TEC® PROLOAD

3 KEY FEATURES

Technical advantages

- ✓ Mechanical excellence: Operates fully mechanically for reliable performance.
- ✓ Damage prevention: Eliminates spillage, safeguarding equipment and products.
- ✓ Modular design: Offers customization with convenient 2-meter sections.
- ✓ Versatile length: Adaptable from 2 meters to fit any conveyor system.
- ✓ Special constructions: Accommodates unique applications and environments.
- ✓ Seamless integration: Easily assembles onto existing conveyor structures.
- ✓ Solely mechanical: Operates without electricity or sensors for simplicity and efficiency.
- ✓ Enhanced precision: Ensures precise product flow alignment for optimized efficiency.



1 Sensitive dust reduction

Create a safer environment with Proload's meticulous dust reduction strategy. It ensures a sensitive approach to controlling dust, promoting a healthier and safer working environment.

- Strategic air speed reduction:
By strategically reducing air speed through mechanical means, Proload minimizes dust generation at the chute, creating a cleaner and safer working environment.
- Chute closure:
The innovative design allows for the complete closure of the chute, achieving an exceptional level of dust-tightness. This is accomplished by bringing the belt under a steep angle (ranging from 55° to 70°, depending on the type), ensuring a thorough and effective seal.

2 Minimize downtime

The absence of spillage means reduced downtime, translating to enhanced productivity and uninterrupted workflow.

3 Zero spillage

Eliminate clean-up costs, no more expenses associated with spillage cleanup with Proload, contributing to cost savings and operational efficiency.

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Want to read more?

Discover more about Blu-Tec and explore our extensive range of products by visiting our website.

www.blu-tec.eu

Versatile Application

The Blu-tec Proload a versatile solution for multiple industries.

From mining to construction, chemical industry to glass, its robust design and precise control streamline material handling processes.

With the ability to handle various loads, the Proload enhances productivity and safety across sectors.

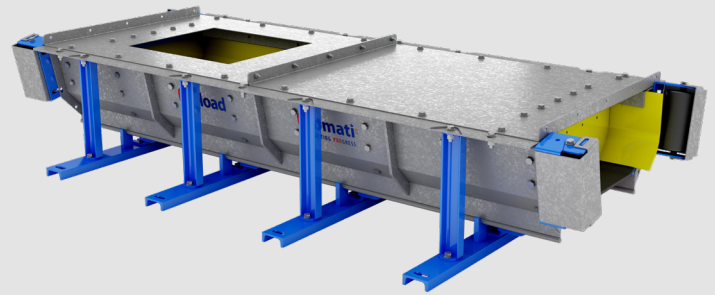


Explore the different types of Proload

Our commitment to excellence is mirrored in three distinct types: Normal Duty, Heavy Duty, and Extra Heavy Duty. Each variant is meticulously crafted to cater to specific operational demands, ensuring that Proload precision and reliability of your dust reduction. Explore the features of each type below:

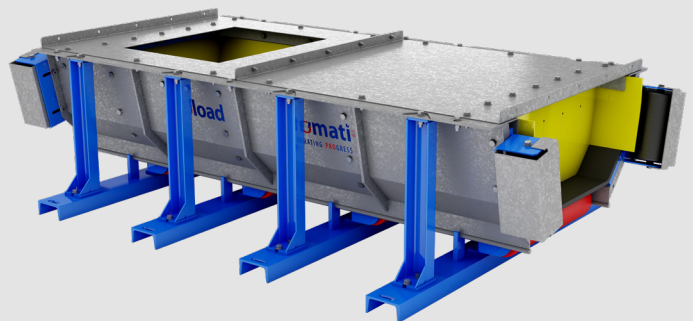
Normal Duty

- Designed for typical load requirements
- Provides effective dust reduction in standard operational conditions
- Suitable for applications where average load and dust levels are expected



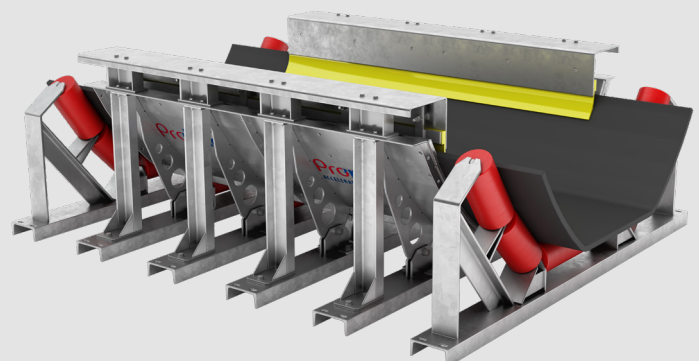
Heavy Duty

- Built to perform under more demanding operational conditions
- Ensures robust dust reduction in environments with increased load and dust concentrations
- Ideal for situations where additional durability and performance are required



Extra Heavy Duty

- The ultimate type for extremely demanding applications
- Offers unparalleled dust reduction in challenging environments with intense load and high dust levels
- Suitable for scenarios where maximum reliability and durability are crucial
- Suitable for use with steel cord belts



Tailoring Proload to your specifications:

Configuration options

At Proload, we understand that each operational environment is unique, and customization is key to optimal performance. These are the configuration possibilities that allow you to tailor Proload to your precise specifications:

Wear plate types

- HDPE (standard for Normal Duty and Heavy Duty)
- HDPE reinforced with aluminium oxide fabric
- Antistatic or high-temperature HDPE
- Full ceramic (standard on Extra Heavy Duty)

Structure options

- Hot galvanised steel (standard)
- Steel painted according to desired preservation (powder coating, C5I, ...)
- RVS 304 or RVS 316
- Sprinkler system with nozzles
- Possibility to add a filter- or extraction system

Central belt guide options

- Steel roller (standard)
- Steel roller with impact rings
- (Ceramic) Impact bars

Technical description

	Normal duty	Heavy duty	Extra Heavy Duty
Belt width	From 400 mm to 800 mm	1000 mm up to and including 1400 mm	From 1600 mm to 2000 mm
Central roller diameter	89 mm	133 mm	159 mm
Wear plates	10 mm thick	20 mm thick	20 mm thick
UNP Basis	UNP 80	UNP 120	UNP 180
Execution			
Length	• Standard per 2-meter section, varying from 2m to ...m, depending on the application • Customised	• Standard per 2-meter section, varying from 2m to ...m, depending on the application • Customised	• Standard per 1-meter section, ranging from 1 meter to ...m, depending on the application • Customised
Central roller height	Always at the same height as current trough sets	Always at the same height as current trough sets	Always at the same height as current trough sets
Number of rollers	• At the height of impact zone, a roller/set of impact bars is provided every 0.5m • Beyond the impact zone, a roller is provided every 1 meter	• At the height of impact zone, a roller/set of impact bars is provided every 0.5m • Beyond the impact zone, a roller is provided every 1 meter	• One roller/set of impact bars is provided every 0.5 m

Learn more about our company

At Blu-Tec, which is a leading product line of Promati, we believe in delivering high-quality products and solutions for bulk handling and the packaging industry.

Since the establishment of Promati in 1980, we have built a reputation as pioneers in the Benelux region. Our on-field experience has enabled us to offer a comprehensive range of our own Blu-Tec products today. Our dust suppression systems, impact bars, and conveyor rollers are designed to help improve the performance of your bulk handling processes, reduce operational costs, and ensure workplace safety.

We are highly regarded by our customers for our excellent service. Upholding our reputation for producing high-quality products that cater to the needs of every industrial sector we operate in is of utmost importance to us.

Our experienced service team is always ready to support our customers with installation, maintenance, and repairs. If desired, we can even provide personalized maintenance contracts.

Not only are we active in the Benelux region, but we also have local agencies in Germany, Scandinavia, Poland, and Spain, enabling us to distribute our Blu-Tec products worldwide, in countries, such as Australia (via BBCP), Chili and Peru (via Ingal Ingenieria) and Brazil (via Treffer). This demonstrates our ambition to expand internationally and make our products available worldwide, but still produced locally, in Belgium.

Expertise and craftsmanship
available to solve your
technical challenges.

