

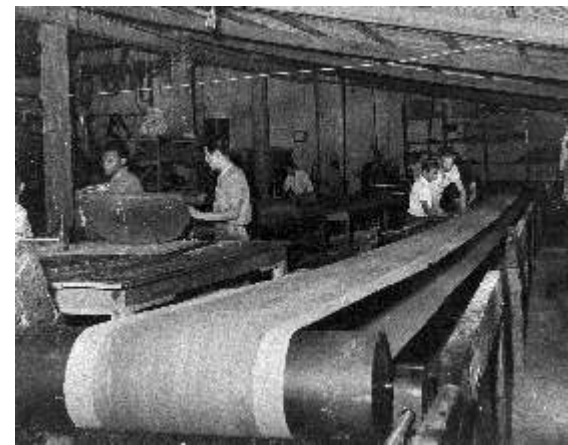


**MERCÚRIO**

Reference in Conveyor Belts

With experience of more than sixty years manufacturing conveyor belts, Correias Mercúrio has consolidated its leadership in the Brazilian market due to the expertise, the relentless search for operational excellence and supply of smart solutions for client needs.

The company's ability to develop high performance products and focused technical support made Correias Mercúrio the main supplier of conveyor belts in Brazil and one of the most important manufacturers in the world.



## Correias Mercúrio



# Our Products

In addition to high performance, our textile conveyor belts provide superior savings, safety, reliability, versatility and capacity.

Manufactured with Polyester & Nylon, Nylon & Nylon, they provide high performance and a multiple benefits:

- Superior adhesion between layers (covers and carcass);
- High resistance to tension and bending;
- Proper tensioning;
- Excellent fitting;
- Remarkable dimensional stability;
- Resistant to mould;
- Resistant to rottenness;
- Excellent impact absorption capacity;
- High resistance to mechanical bonding,
- Excellent adhesion to hot/cold bonding.



# Our Products



# Our Covers

## Recubrimientos

## Application

AB - HIGH ABRASION	Suited for general impact conditions and resistance against abrasion Comply with: ARPM, ASTM, ISO, and DIN
EA - Extra Abrasion	Suited for severe impact conditions and resistance against abrasion Comply with: ARPM, ASTM, ISO, and DIN
EAS - Extra Abrasion Super	Suited for extreme impact conditions and resistance against abrasion Comply with : ISO and DIN
EAS PLUS - Extra Abrasion Super Plus	Exceeds ISO and DIN rules Suited for extreme impact conditions and resistance against abrasion
X-EAS PLUS - X Extra Abrasion Super Plus	Exceeds ISO and DIN rules Suited for extreme impact conditions and resistance against abrasion
AT - High Temperature	Suited for general resistance against abrasion conditions and Constant temperature of 120 °C with peaks of 150°C
ATS - High Temperature Super	Suited for general abrasion conditions and Constant temperature of 205°C with peaks of 300 °C
OAN - Nitrified Oils and Acids	Suited for materials impregnated with mineral and/or vegetal oils
AC - Mercochama	Resistant against ozone, aging, weather, abrasion Anti-static and self-extinguishable Complies with DIN ISO 340
EAR - Extra Abrasion Resins	Resistant against vegetal resins and terebentine
TG - Grain Transportation	Resistant against vegetal oils and agrochemicals Anti-static and self-extinguishable Complies with DIN ISO 340
TGS - Grain Transportation Super	Resistant against vegetal oils, agrochemicals and weather Anti-static and self-extinguishable Complies with DIN ISO 340
Cover BRR® - Lining with low resistance against rolling	Made with special aspects of low resistance to rolling at lower lining. Ensures less energy consumption during material transportation.

*DIN - Deutsches Institut für Normung e.V. – Germany*

*ISO – International Organization for Standardization - Switzerland*

*ARPM – Association for Rubber Product Manufacturers – United States*

*ASTM – American Society for Testing and Material – United States*

# Steel Cord Conveyor Belts

Mercurio ST conveyor belts are suited for applications demanding:

- Maximum resistance against impact;
- High tension;
- Movement across large distances;
- Low stretching;
- Flexibility.

Made of longitudinal steel cords, several types of covers can be applied to these conveyor belts: EA, EAS, EAS PLUS, X-EAS PLUS, AB, AT, AC.

We also offer protection systems such as:

RIP STOP®  
Protection and Blocking System Against  
Rags and Cuts

Made of tissue incorporated to the upper and/or lower belt covers, for blocking cuts and protect against damage caused by impacts.

RIP SCANNER®  
Protection System Against Rags and Cuts

It turns the conveyor off automatically when detecting rags and cuts in order to prevent more damages to the conveyor belt. It can be interchangeable to other systems through technical support.



# Fabric Covered Belts

## PAN100 / PAN200 Fabric Covered Conveyor Belts

Fabric Covered Conveyor belts with several configurations to meet all client needs.

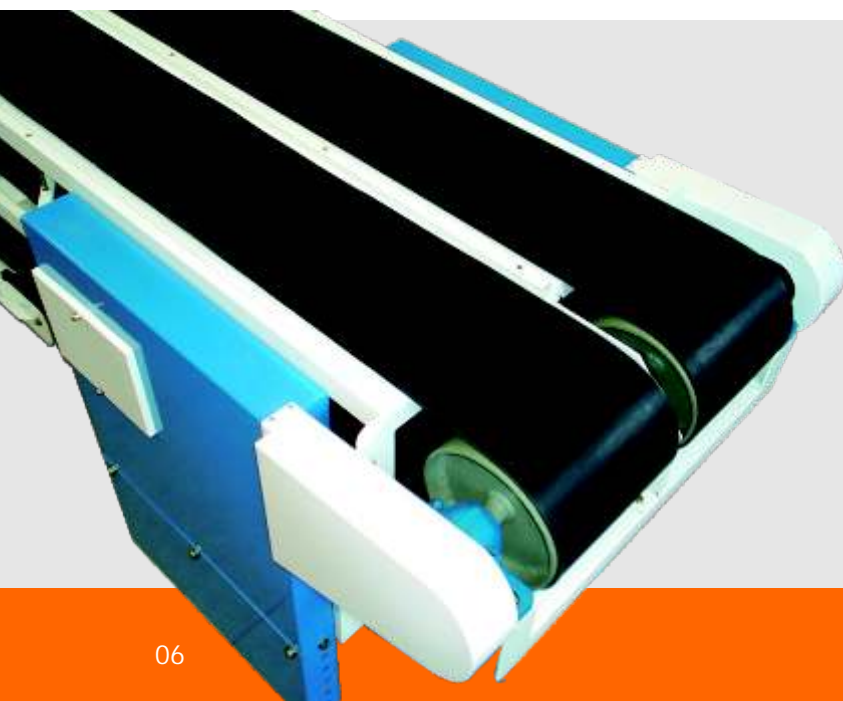
### Characteristics:

- Manufactured with synthetic fabric;
- High resistance against tension and bending;
- More adhesion between plies;
- Flexibility with large dimensional stability;
- Resistant to mould and not water-absorbing;

### Application:

- Light transportation in assembly lines: boxes, packages, bags and so on
- Grain storage and movement;
- Cup elevators; (PAN200 ONLY)
- Power transmission.

*\*For transportation of grains with skin please contact Mercúrio's Application Engineering*



# Elevator Belt

## Bucket Elevator Belts

Indicated for overall industry and agricultural elevators. Available with AB, EA, TG, TGS, OAN, EAR, and AT covers. Manufactured in Polyester & Nylon carcasses.

In addition to several benefits that are shared with conveyor belts, they feature:

- Resistance to jammed materials;
- Excellent resistant against bucket plucking



## Vulcanising Material

Developed from special, easy to handle composites, they ensure superior finishing for hot bonding. They are applied to conveyor belts with fabric and steel cord carcasses. They are manufactured with Clean Technology, so they are less aggressive to environment and best suited for handling.

In order to ensure maximum usage, our materials for vulcanising are available at the configurations below:

- As full kits;
- PER METER, in the amount you need.

# Special Conveyor Belts

In order to meet each client needs efficiently and effectively, Correias Mercúrio offers conveyor belts developed especially for several market segments.

## CABOMERCO®

Used on long-distance conveyors.  
Applied on transportation of several materials, especially for Mining and Cement industries.  
It delivers excellent performance due to its special construction.

## TUBOMERCO®

It was developed to operate in tubular transporting systems. It is suited for bulk transportation and prevents dust from raising and the environment contamination.

## MERCOFLEX®

They are widely used on bulk transportation on flat conveyors or on slopes up to 90 degrees. They provide for better space use under several configurations.  
Gusseted cross-sectioning and side cleats create compartments similar to cups over the belt, which will be arranged in amount enough to meet the project's capacity.

## RIP PROOF®

This is a device that is incorporated to the belt, aiming to ensure more resistance against cutting. It was created for conventional conveyors not equipped with external cutting detection devices.

## UNIONFLEX®

Comprised by a ply made of steel cords, it has optimal resistance against corrosion, excellent adhesion to rubber, high protection against impact and cross-section cuts, more transversal and longitudinal flexibility, and low stretching. It does not require cutting sensors.





# Application Engineering Department

A high technician team focused on developing the most diverse services and solutions to meet your needs:

## Scanner

It is applied on belts with steel cord carcass with the purpose to carry on predictive maintenance by assessing the cable and bonding integrity, through loss of metallic section and/or defects found.

## Ultrasound

It assesses the conveyor belt performance through the measurement of covers thickness.

## Thermo-graphic Analysis

It is carried out to detect and diagnose high temperatures on transported materials on the conveyor belt and their suitability to the application.

## Applied training: Belts and Vulcanization

They have the goal to provide training and knowledge improvement for the participant on inspection, application and manufacturing of conveyor belts and vulcanisation.

## Conveyor Belt Specification

It assesses the particularities of each application, and specifies the most suitable conveyor belt for a project on cost effectiveness terms.

## Project Analysis

It assesses new and existing projects, always pursuing the identification the most suitable conveyor belts for a project on cost effectiveness terms.

## Application Engineering

- Conveyor and belt technical analysis to find/solve presented issues.
- Belt performance tracking for new or existing projects, presenting a diagnosis to extend its shelf life.
- Optimize inventory by reduction/standardization of items.
- Innovative solutions for several applications in all market segments.

## Surveying/ Mapping

Surveying of equipment technical and dimensional data for ad-hoc adjustments and the possibility of conveyor belt standardization.

Get in touch with us!



# Applied Technology and Development Center

Correias Mercúrio has an advanced Applied Technology and Development Center fully equipped for carrying out material analysis and several tests as per ruling established by ASTM, ASAE, DIN, ARPM, and ISO.

In order to generate relevant innovations in research and development, the Center relies on experienced professionals and a large team of experts and chemists. Thus, the Center supports the enhancement of manufactured products, leading client expectations into application solutions.

The Center also ensures belt performance and quality in compliance to local and international rules.

Correias Mercúrio is ISO 9001:2008 certified.



## Social and environmental responsibility

Ethical behavior and social commitment have made Correias Mercúrio a respected company by employees and partners, and recognized by the marketplace as an organization that keeps a strong positioning towards social responsibility.

This approach contributes to product enhancement, pursuing the transformation of client expectations into application solutions. The business is conducted in a way to become partner and sharing responsibilities for the social development, always putting at the forefront the concept that quality of life, ethics on business, trust and human development are essential and not negotiable.

Concern and respect for environmental issues and future generations are directly connected to the company's philosophy that monitors our activities constantly.

The company understands that a commitment to the environment must have participation of all; thus, we maintain several internal programs, training and campaigns focusing on the operational sustainability.

The company is preserving a wide area of Atlantic Forest in the coast of the state of São Paulo to ensure region's biodiversity.





**MERCÚRIO**

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