

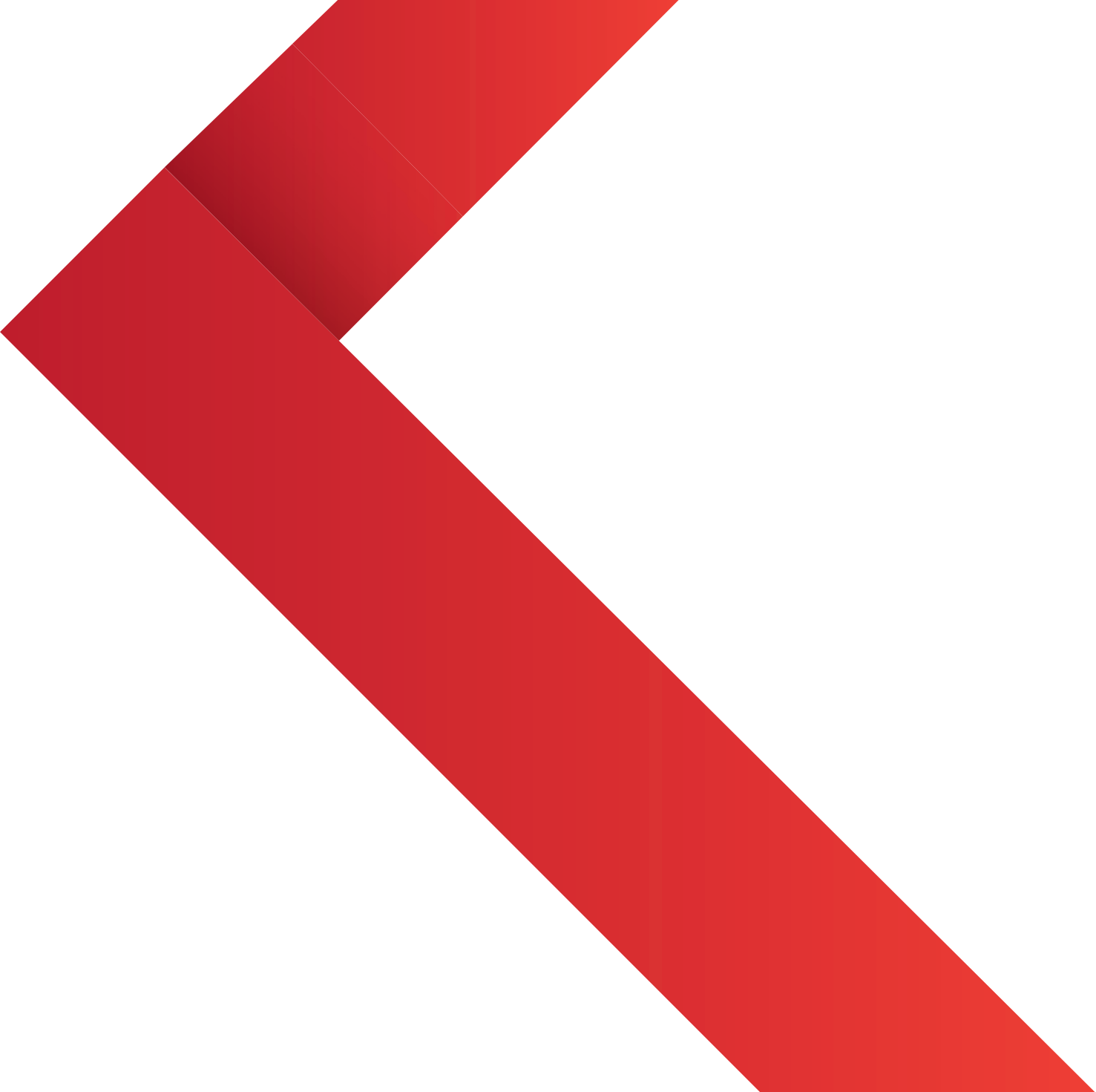
**KBT<sup>®</sup>**

## **Conveyor Belt Security Solutions**

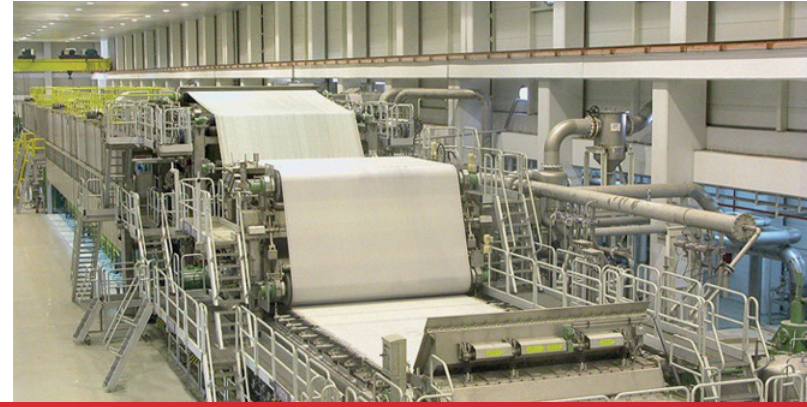
We Are Always On The Safety Side!











“

## Human and Machine Safety,

The KBT brand offers you products manufactured in accordance with the heavy industry so that you can reliably protect and monitor your conveyor belt systems. All products are 100% manufactured in Turkey all, kinds of customization are provided when desired. All models in our product group are designed to withstand extreme conditions and are produced in high quality.

Our goal is to support you in the field of 'monitoring' in heavy industry conveyor belt systems. It is also to maximize your safety responsibility by supporting you. The important advantages we offer to our valued customers are; our technical excellence, our industrial expertise, our short delivery times and high quality product production.

We have been in the industry for many years,our market experience, proximity to end users and many years of experience in mechanical engineering It is reflected in our products, after the R&D and test times of all our products we would like to state that we offer our customers.

In this sense 'KBT' brand is the world's leading heavy industry industrial security is a candidate to be among the equipment providers.We provide versatile service to our customers with Lever Belt Misalignment Switches, Pull Cord Emergency Switch,Tilt Switch and many different products.

”

Port Applications

Aviation / Marine Industry

Paper Production Industry

Rubber / Plastic Production

Automation Solutions

Iron and Steel Factories

Machinery and Plants

Power Plants

Cement Plants

Mining

Oil and Gas Industry

Bulk and Material Handling Systems

# Excellence

Customer satisfaction is our number one priority. For us quality is more than producing a good product. Appreciation of the designs of the products as to meet all your needs. Customized solutions in design is fully integrated into our production and it forms part of our daily work life. As the KBT team, we are responsible for the quality and success of our products and this is our greatest feature.

All KBT Team members are trained to the highest standard for provide "Best in Class" Service and Support. We spend a lot of time working on due to development of the market and the constant and innovative pursuits. KBT provides these needs with superior technical expertise, excellent market knowledge and customer relationships built on trust.

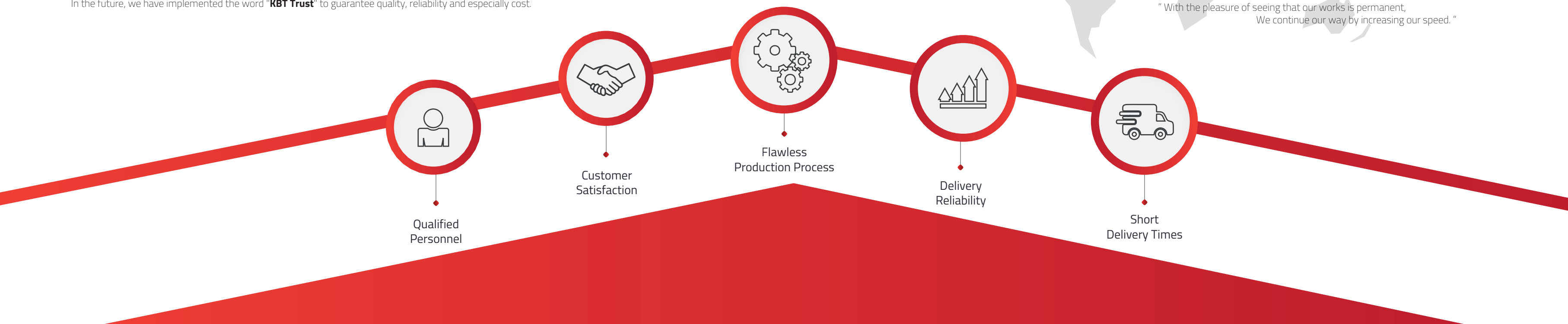
*We are getting better every day.*

In the future, we have implemented the word "**KBT Trust**" to guarantee quality, reliability and especially cost.

We see that this project, which was launched to support the country economy, has become a successful brand in worldwide and we always aim for higher quality production. The purpose of the company since the very beginning is the highest level of innovative security and customer satisfaction.

KBT has evolved and expanded steadily and successfully, KBT is one of the pioneers in Heavy Industry Conveyor Belt technology.

" With the pleasure of seeing that our works is permanent,  
We continue our way by increasing our speed. "







## We Are Always On The Safety Side!

All products produced for bulk material handling systems are manufactured to resistant heavy industry conditions. Control equipment working on the belt as %100 performs security related tasks.

KBT Products are highly protected against injury and damage. It has also been successfully preferred worldwide for many years.

## Heavy Industry Solutions

- ▶ Pull Cord Emergency Switch
- ▶ Lever Belt Misalignment Switches
- ▶ Position Switch
- ▶ Tilt Switch
- ▶ Speed sensor
- ▶ Danger Zone Exproof Area
- ▶ Bus Security Interface



## Pull Cord Emergency Switch



It is used to stop conveyors in emergency situations for machine and personnel safety.

- ▶ Bmc composite and aluminum cast body
- ▶ Movement mounting possibility as One-way and two-way
- ▶ ATEX II2D - IIIC
- ▶ IP68
- ▶ Temperature Rating -55°C ...100°C
- ▶ Bus security interface
- ▶ Alarm, light and siren alert can be added.

## Lever Belt Misalignment Switches



If the conveyor belt slips out of alignment, it closes the conveyor and the machine ensures your plant safety.

- ▶ Bmc composite and aluminum cast body It gives contact in two stages.
- ▶ 15 ° alarm and 35 ° system shutdown is provided.
- ▶ There is a manual reset option.
- ▶ ATEX II2D - IIIC
- ▶ IP68
- ▶ Temperature Rating -55°C ...100°C
- ▶ Bus security interface

## Position Switches



It is used for position tracking on the conveyor belt.

- ▶ Bmc composite and aluminum cast body
- ▶ EN 60947 EN 60204 EN 60204
- ▶ ATEX II2D - IIIC
- ▶ IP68
- ▶ Temperature Rating -55°C ...100°C
- ▶ Bus security interface

## Tilt Switch



It controls the presence and absence of flowing materials on the conveyor belt, Also its checks the density of the silo cover.

- ▶ Stainless steel and casting probe
- ▶ High temperature resistant cable structure
- ▶ IP68
- ▶ External control board
- ▶ Cable length of 3 meters



## Accessories for Pull Cord Emergency Switch



Accessories, are necessary for mounting of Pull Cord Emergency Switch and integrate products.

- ▶ Red PVC coated, 5 and 7 mm diameter insulated steel rope
- ▶ Turnbuckles, Tension Spring, Cable clamp, Rope eyelet, carrying hook
- ▶ All products are made of corrosion resistant material.
- ▶ DIN 741, CE EN362, TS EN620

## Bus Security Interface



Conveyor belt equipment on bus communication in the field can give the opportunity to communicate.

- ▶ Bmc composite and aluminum cast body
- ▶ Input module for pull cord emergency switch and lever belt misalignment switches
- ▶ TUV approval for SIL3
- ▶ PLC and PC interfaces are suitable for the combination of HMI and modems.

## Speed Sensor



It is used to observe the speed and distance of the conveyor.

- ▶ Inductive or magnetic sensor principle
- ▶ Stainless steel body
- ▶ -20°C...60°C
- ▶ Miniature size
- ▶ II 3D Ex tc IIIC T80°C Dc X

## Exproof Area



Safety equipment for conveyor belts in explosive work environments.

- ▶ Bmc composite body with carbon addition
- ▶ Pull Cord Emergency Switch, Lever Belt Misalignment Switches, Position Switches, Speed Sensor, Tilt Switches
- ▶ IP68
- ▶ EX - Zone 22 / Zone 21
- ▶ -30°C ... 80°C
- ▶ II 2G Ex db IIC T6 / T5 Gb, II 2D Ex tb IIIC T80 ° C / T95 ° C Db, IECEx Ex db IIC T6 / T5 Gb, Ex tb IIIC T80 ° C / T95 ° C Db



## Our Certificates

You can easily use our products manufactured in accordance with international security standards and necessary certificates to your system.

CE , EAC, TSE, ISO9001, ATEX gibi bir standartlara sahiptir.



## References

We share some of our important business partners in many parts of the world with you.

We owe our success in the industry to our customers and to our customers who always support us and contribute to our development. With the pleasure of seeing that our works is permanent, We continue our way by increasing our speed.

## References







**KBT Conveyor Belt Safety Equipment is an Imaj Teknik brand.**

**Address:** Tekstil Kent Ticaret Merkezi G2 - 101 Erenler 34235 İstanbul Türkiye  
**Tel:** +90 212 235 95 35 **Faks:** +90 212 235 95 37 **E-Posta:** info@kbtelektrik.com

Please visit our website for detailed information  
[www.kbtelektrik.com](http://www.kbtelektrik.com)

