



Conveyor and elevator belts for agricultural applications

In today's world where transportation is perhaps one of the most elements for the business to succeed, people are always in search of better, faster and cost effective technique of transporting, tracking and processing their goods. In the recent years, conveyor belt system has emerged as one of the best ways of transporting products. These belts are specially designed in order to cater for the needs of the agricultural world. They are not only cost effective, but also efficient. They have the ability to adjust to any type of temperature. Different conveyor belts are used to perform agriculture applications.

When deciding on which conveyor system best suits your needs, a key consideration is the material being transported. Some important characteristics to consider are size, flowability, abrasiveness, corrosiveness, moisture content, and the temperature at which it must be kept. The composition of the material, if powders, granules, pellets, fibers, or flakes are being conveyed, should also be considered, along with the particle size, weight, and density.

The function of the conveyor system itself may vary. The two main categories of moving material through a process are conveying and feeding. Conveying is the moving of materials from one or more pickup points to one or more drop points. The desired window of time for this movement should be considered, as well as the amount of pickup and drop points, the amount of material being moved, and whether or not cross-contamination between multiple materials

is a concern. Feeding is more time sensitive and requires more precise systems than conveying. Material is usually moved from one pickup point to one drop point. The product being moved may have to be delivered in batches, or at a controlled, continuous rate. An essential factor to consider before the selection of a conveyor system is the environment in which it will be used.

High humidity, temperature, vibration, pressure, fragile or hazardous materials, and flammable products in the facility should all be discussed with a conveyor manufacturer to determine any potential risks and the countermeasures and workarounds needed. The size of the system compared to how much room in the workspace is available should be considered, along with how it will fit alongside existing equipment.

Conveyors systems are often relatively complex in their design and construction owing to their large scales and integration into different factory processes. Still, the modular nature of many conveyor components makes even long and complex systems readily achievable. Manufacturers of such systems can offer design assistance so that the conveyor suits the workspace.

Uses of Conveyor in the agricultural community

The uses of a conveyor belt in the agricultural community are numerous. It is used in the feeding process that processes or freezes vegetables, fruits, and other agricultural products for packing

to be sent to the retailers or other process plants. Besides this, these belts are effectively being used for loading bulk quantities into trucks in order to get them transported to their final destination. Bean market is another place, where conveyor belt scales are used in a large number. Additionally, these belts are to load out the soy beans into the trucks that carry them to the end process.

These belts are designed to suit the requirements of the agricultural industry application. Sugar Cane, Cauliflower, peas, flour, rice, and grains are some of the agricultural applications that use conveyor belt scales. Other applications include:

- Seed coating for vegetable seeds and cereal grains
- Chopping of crops
- Dust collection
- Harvesting
- Threshing
- Material handling
- Storage
- Grain processing
- Drying of grains
- Merits of using the belts in the agricultural industry

With the help of these conveyor belts, the workforce reduces and this leads to more profits and less expense. Also, the storage, drying, and processing of the products have become very efficient and easy.

SIG is one of the European most important manufacturers of rubber conveyor and elevator belts. With an experience of more than 70 years manufacturing SIG can easily supply high quality made in Italy synthetic and steel rubber belts worldwide. Since the end of 60's, our production plant is based in Gorla Minore, Northern Italy, close to Malpensa Airport and Milan city center. In this 12000 sqm area, you could also find SIG headquarter as all the company key position, from purchasing to commercial and technical teams work all together.

WE MANUFACTURE IN ITALY, WE SUPPLY WORLDWIDE

This specific organization allows all the company workers having a flexible approach to business, satisfying all customer's needs as well as international market requests. The close cooperation between our technicians and our sales Department members allows SIG to find solutions to any type of problem. Concerning the production process, our factory has a capacity of 400 km every year, manufacturing any type of rubber belt, up to 2200 mm of width and weight for every roll, covering any industrial field, from cement to iron factories, passing through coal power plants, ports and grain terminals, mines and quarries as well as chemical factories.

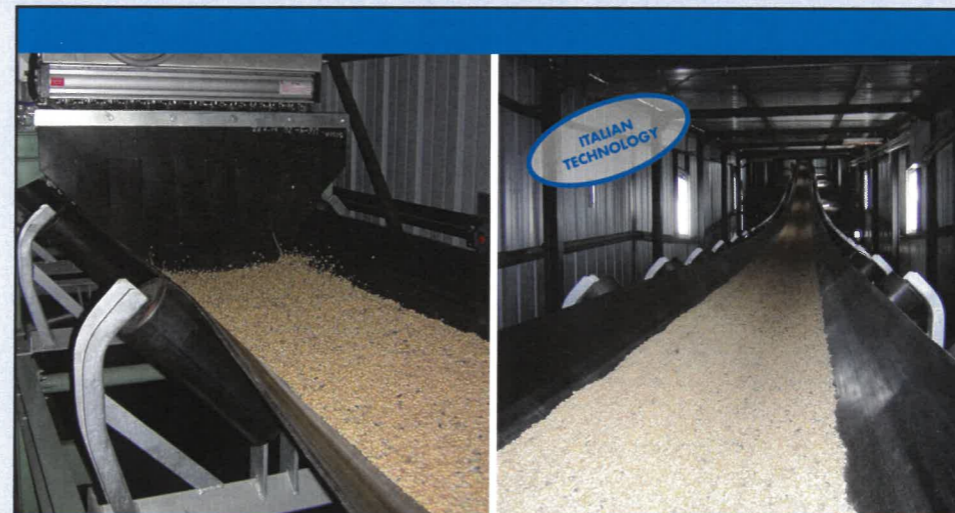
Specific rubber covers are available to handle the most critic bulk materials like hot clinker, flammable coal, oily waste and fertilizers, grain and cereals, highly abrasive bauxite and iron ore. Here at SIG we love challenges, that is why there is no project nor request that we cannot but satisfy. No matter where you are, we will also find the way to reach you with our best and high-quality products.



The supply chain is composed by only high qualified suppliers of rubber compounds, synthetic and steel fabrics to assure the highest level of quality with the fastest and most flexible delivery time. Product quality is managed according to codified quality control programs all over the whole production process, from raw material acceptance to delivery of final product.

For this purpose and to allow efficient R&D process too, SIG has made, during the years, important investments for the development of its own technological laboratory, provided with the most advanced and reliable equipment which is also available for customer's needs.

Together with a strict control of the quality, SIG gives high attention to the environmental and health properties of the raw materials involved: since 2012, following the European directives, all rubber compounds used by SIG are free from hazardous chemicals, especially PAHs, Poly-Aromatic Hydrocarbons, granting a limited and lower impact to the environment and to the health of operators than imported products of unknown origin. Our best happiness is our customer satisfaction with our products, this is the reason why we develop and use the latest technologies available to provide you with the most reliable rubber belts. SIG deeply loves its customers, that is why our main concern is taking care of you.



ISO 9001



WE MANUFACTURE IN ITALY TO SUPPLY ALL AROUND THE WORLD

Via A. Colombo, 144
21055 Gorla Minore (VA) - Italy
Phone +39 0331 36.51.35
Fax +39 0331 36.52.15
www.sig.it
E-mail: sig@sig.it

**CONVEYOR & ELEVATOR BELTS
STEEL CORD & TEXTILE**