



FROM CONVEYOR BELTS TO WEDGE WIRE SCREENS

Costacurta's wide range of solutions for the Food & Beverage Industry

Costacurta S.p.A. - VICO is an Italian company specialised in the designing and production of metal components for industrial manufacturers and architecture, serving markets worldwide. The company, with its 95 years of consolidated experience in the Made-in-Italy production, is based in Milan and has 2 production facilities in the province of Lecco. Since 1921 Costacurta has been investing and researching to be more and more competitive on both the Italian and international market. The company has a divisional structure allowing effective operations on different markets, where Costacurta works according to its mission and values.

Its entire product portfolio originates from wires and plates, and is made of:

- Filtering elements
- Conveyor belts
- Products for the Oil & Gas, chemical and petrochemical sectors

Metal conveyor belts

Metal conveyor belts are used in many industrial processes and sectors, from metallurgical engineering, to the pharmaceutical and food industry. These belts can be used for applications that require temperatures ranging from approx. -150°C to +1.150°C, even under mechanical or chemical stress. The company has gained a deep understanding in the designing and manufacturing of metal conveyor belts and is able to support its customers in choosing the most appropriate solution, helping them in terms of materials and type of belt to purchase on the basis of operating conditions, shape, size and weight of the products to be conveyed. In the beverage sector, Costacurta's products can be used in different applications. In



particular, the belts are used for heat shrink tunnels or shrink wrappers where the final product needs to be wrapped with a heat-shrinkable film. The belts are designed to guarantee an excellent stability of the product during the whole process. The constant speed operation of the belt, reduced vibration levels and a high functioning reliability really guarantee the perfect wrapping for any pack, six-pack and others.

Wedge wire screens

Among the usual filtering systems, Costacurta also offers the wedge wire screens. This product allows an effective separation while guaranteeing a high mechanical resistance. The VICO-Screen® is designed for retaining materials, filtering and sieving. It has countless applications, mainly in the chemical, mining, pharmaceutical, plastic, paper and food industries. Thanks to their mechanical and construction features, which guarantee a high product resistance, the wedge wire screens can be considered in some cases a more efficient alternative to metal meshes and perforated plates, de-

pending on the specific needs of the customer. The wedge wire screen is a filtering element made of V-sectioned wires, arranged in a parallel manner and welded to support bars or rods. The V-section minimises the risk of clogging, allowing an effective separation of solid elements (smaller than 1 mm) from liquids, both in coarse screening and finer screening procedures, thanks to the wide range of slots available. The VICO-Screen® can also be supplied as a flat panel, often used during germination in the production of beer. The VICO-Screen® can be made with wires and supports of different shapes, sizes and materials in order to be able to resist to different temperatures, pressures and corrosive or abrasive actions. Malt houses, breweries and distilleries can use Costacurta's VICO-Screen® in their clarification and filtration plants. The slots (from the smallest of 30 µm) are suitable for many production processes, from the smallest plants to industrial scale productions. 🏭

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