



## CASE HISTORY: Overhead monorail conveyor X37-01



The monorail conveyor (type X37) is at the service of a mannequins painting line and leads the pieces to be treated along all phases of the painting process up to the unloading area.

The operation is of the continuous type, with the possibility of regulating the speed by means of an inverter.

The transmission of the motion takes place through a caterpillar towing unit suitably positioned along the conveyor path.

The caterpillar towing group is equipped with a safety pin and with a device that signals its breakage.

All controls relating to the conveyor and its drives are located on the general electrical panel.

## MONORAIL CONVEYORS

*In the monorail conveyors, the function of bi-planar chain is twofold: traction and load-bearing.*

*The movement of the materials on the monorail conveyors is ensured by this, formed by a load-bearing and directional mesh, which runs through a closed circuit inside the relative rail or sliding track with the ability to twist along both horizontal and vertical planes.*

*The items, loaded on attachments – also defined hooks (fixed or revolving) placed on a fixed pitch – follow all stages of production in order to reach the unloading area.*

## TECHNICAL DETAILS

Development bi-planar chain X37 pitch 200 mm	mm	28.000
Pitch between hooks	mm	200
Quantity of hooks for supporting mesh chain	n°	70
Quantity of hooks for directional mesh chain	n°	70
Maximum load for hook	daN	20
Working speed conveyor (at 50 Hz.)	m/1'	2
Speed variation range (from 25 to 75 Hz)	m/1'	from 1 to 3
Motor Power	kW	0,55
Working		in continuous

**Conveyor for mannequin painting line.**

**Rotating hooks with multiple spring-latches at 45° with 200 mm spacing.**

**Overall coverage of bi-planar chain/line of 40 meters.**









## OUR COMPANY

CM Automation has been an active player in the field of industrial movement and handling since 1999 and has now become a tried and true leader in Italy.

We design, manufacture and install lines for interior movement and handling, overhead and floor conveyors, offering monorail, two-rail and manual conveyors. The flexibility that defines our company allows to meet and satisfy any and every variation or request, including the integration and supply of spare parts for our lines or even those installed by other companies.

Since 2011, following the acquisition of FA Ganci in Modena, we have been able to complete our offer by providing every type of hook, transport unit and specific accessories for painting systems and lines.

The production headquarters and facilities of CM Automation are located in Giussano, in the province of Monza Brianza just a few kilometres from Milan and Como. In the large 2,000 square meter factory, we carry out all the activities of design, production, testing and quality control of our systems and hooks.

