

Compact Loader



**MACHINES AND PLANTS
FOR FOOD INDUSTRY**

Our CSC series **compact loaders and unloaders**, for racks, frames, trolleys or suspended tray conveyors on which placing poles with hanging products, are the best answer to **eliminate tiring**, repetitive and **risky operations**, even with a focus on lower throughputs.

Our loaders for cured meats, cheeses and vegan products can be fed by devices for automatic or semiautomatic insertion of the bars into the hanging loops.

The design, derived from our TFRC loading system, allows **customizations based on the length of the hanging bars** (poles), the **size of the frames**, or trolleys, or racks to be loaded, and the **size and weights of the products**. In the case of semi automatic loading, the operator, having received the products from the upstream lines, places them on the loading surface

and inserts the hanging bars into the loops, which he **effortlessly leans into the hooks of the lifting catenary**.

The bars are placed on arms with motorized chains that allow the cross pitch of the bars to be defined.

The motorizations of the chains are done with **IP69K motors**. The arms are moved vertically by a **brushless motorization**, suitably cased, to deposit the products in the predetermined levels (to pick them up in the case of unloaders).

After the empty frame is introduced into the cage, centering and locking devices enable the vertical movement of the arms for **checking and measuring the levels to be loaded**, thus adapting to the normal geometric errors of the frames themselves, however, of equal width.

The CSC series machines allow the **safe** continuation of loading and unloading activities of the bars even during racks, frames or suspended tray conveyor replacement.

Frames are loaded from top to bottom and unloaded from bottom to top.

Unloaders can be equipped with a hanging loops cutting device.

A control panel with touch panel allows the operator to choose operating modes, which can be stored in recipes, and the control PLC allows both connection with the company's production management system, as well as **remote connection with our technical support service**.

