



CASE HISTORY

HANDLING HAMS



CHALLENGE

Companies producing sausages and hams are generally equipped with automatic lines that end with a packaging machine for packing the hams into a plastic net, as the machines produced by Tecnobrianza in Italy.

Every 20 seconds, the packaging machine releases 1 hanger with 4 bresaole. The worker has to pick up the hanger and place it on a cart.

The weight of each bresaola varies from 4 kg to 12 kg each for a total weight of the hanger to be handled ranging from about 17 to 49 kg including the weight of the empty hanger.

Each day it is necessary to lift and move about 4500/5000

bresaolas; given the high weight of the load to be handled, the frequency and speed with which the operation is to be performed, it is necessary to equip the workplace of a manual load handling aid in order to reduce the effort for the operator and to ensure safety and ergonomics.

An electric hoist is not a suitable solution because it is too slow and because it forces the operator to keep the up/down button pressed all the time, thus being a solution not conform to the ergonomics and safety regulations.

Also a pneumatic manipulator is inadequate to meet this need.

A pneumatic manipulator, in fact, **is not self-balancing**, it does not get adjusted automatically and in real time to a different load weight; the pneumatic manipulator's response time when changing handling direction and when picking the load from its support is not immediate, thus requiring extra effort to the operator who, very often, decides not to use the manipulator and do it manually.

SOLUTION

The only solution for handling hams in such an application is using the **LATEST TECHNOLOGY** for material handling:

An INDEVA® intelligent lift assist device, featuring **electronic control and electric drive**.

An INDEVA® **responds in real time** to the operator's intention and moves at the speed he needs: fast or slow with unparalleled precision. This, added to having **no buttons to press, allows for very smooth, effortless and natural movements**.

An INDEVA® allows a **2.8 m vertical stroke** and it is **very light to move also along the horizontal axis**.

It can be column mounted and different lengths are available for the articulated arm; or it can be bridge crane mounted.

See all solutions provided from INDEVA® at <https://www.indevagroup.com/best-solutions-for-material-handling/>

