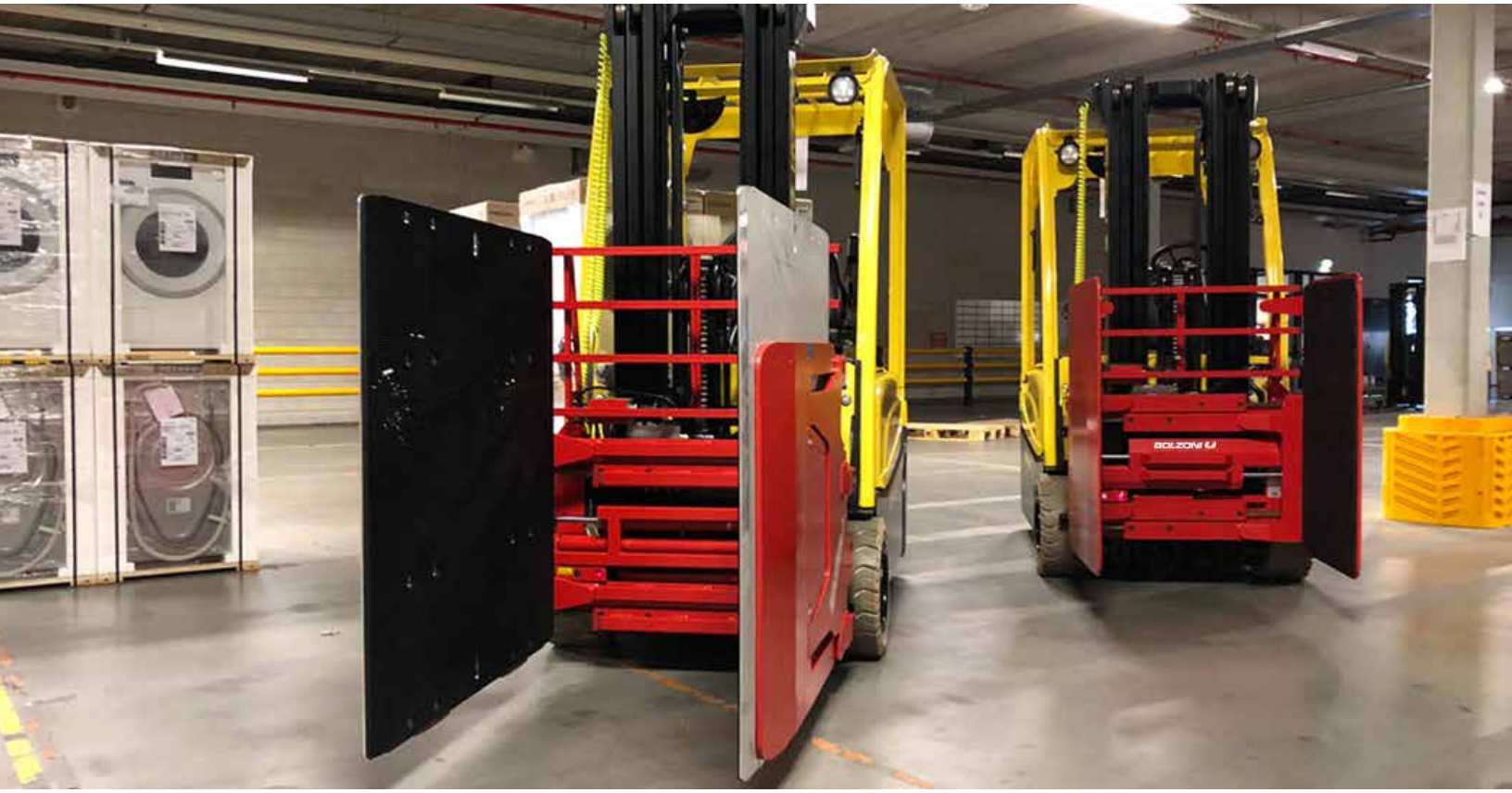
Easy-MOVE: Damage Free White Goods Handling

with BOLZONI



White goods are one of the most demanding cargo commodities requiring specialized lift truck attachments.
Washing machines, refrigerators, LCD displays and ovens are prone to handling damage. These are difficult to handle and have a considerable unit value. Furthermore the transport chain of white products is often very long and it is essential to use well-chosen, well-maintained dedicated equipment to handle them.

Damage-Free Made Possible.

The Easy-MOVE Bolzoni home appliance and carton clamp system represents a state-of-the-art equipment for all white goods manufacturers, logistic operators and 3PLs who want to grant a totally damage free handling, with forklift truck, of all items packaged in cardboard boxes.

Automated Clamping Pressure Control.

Bolzoni has come up with an outstanding proposal of integrated Laser Sensors Solutions for the automatic clamping pressure control reducing to zero the responsibility of truck drivers for wrong handling and squeezing.
Thanks to the new implemented technology, it's possible to have the same ease of use of a conventional clamp.

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Damage Free White Goods Handling

Easy-Move Intelligent System

The Easy-Move Intelligent System uses laser sensors installed in a fully protected position on board of the clamp. The system is driven by the number and dimensions of the unit loads (boxes) between the arms. Through these inputs the correct clamping pressure is set by means of a proportional pressure relief valve.

The micro-control can be connected via USB to Bolzoni configuration tablet and through an easy procedure (touchscreen based) the operator can adjust the handling and load parameters, recalibrate the sensors if necessary, associate the opening ranges to the required pressure levels and possibly recalibrate them in case of introduction of new loading scheme.

Easy MOVE is the perfect attachment for 3PLs. In facts, this system does not require any additional competence and knowledge from truck driver. It is also possible to switch to single pressure manual mode.

Find out more on the Bolzoni clamping force control devices.



Complete Set of Pressure Control Devices

Bolzoni has a complete set of pressure control devices, such as the Four Point Clamping Force Tester. All carton clamps are tested as standard ex factory, and delivered with a defined set up of a single imposed pressure value.

Ask for our references on white and brown goods handling or to organize a demo unit at your premises.











Innovative solution to damage free handling with correct clamping force: the Easy-Move intelligent carton and appliance clamp model.

In the white goods industry the handling problems caused by the use of incorrect clamping force can create serious risks of products damaging: insufficient pressure results in the product being dropped, while too much pressure can crush or damage the package and its content. Bolzoni integrates the standard technical features of the KS-C model carton clamp with the most advanced technology in hydraulics, electronics and laser sensors for clamping force controlling to provide the most advanced solution for Logistic Managers in Home Appliances manufacturers Inbound warehouses and 3PLs.

Easy-MOVE 4.0 is a **FULLY WIFI CONNECTED** and automatic electronic clamping pressure control system for damage free handling in white goods logistic, based on the association of the detected load between the arms with the correct cylinders pressure to properly grip the units without any exceeding force. Different to all competitors **Easy-MOVE 4.0** also provides an **advanced light signal driving assistance** technology enabling also the most unexperienced truck drivers to handle all sorts of washing machines, refrigerators, ovens, dishwashers and general consumer products without any damage.

The laser sensors and the electronic micro-control allow the system **to detect the load and input the correct clamping pressure** through a proportional pressure relief valve. The Central Processing Unit (CPU) of the clamp **can easily be controlled from remote** through the Bolzoni dedicated portal and the accuracy of the input in bars is granted by the pressure sensor measuring the hydraulic at the end of the CPU input.

With its own credentials the Logistic Manager and/or the truck provider can adjust the handling load parameters, recalibrate the sensors if necessary, associate the opening ranges to the required pressure levels and have a real time monitoring of the clamp performances and productivity.

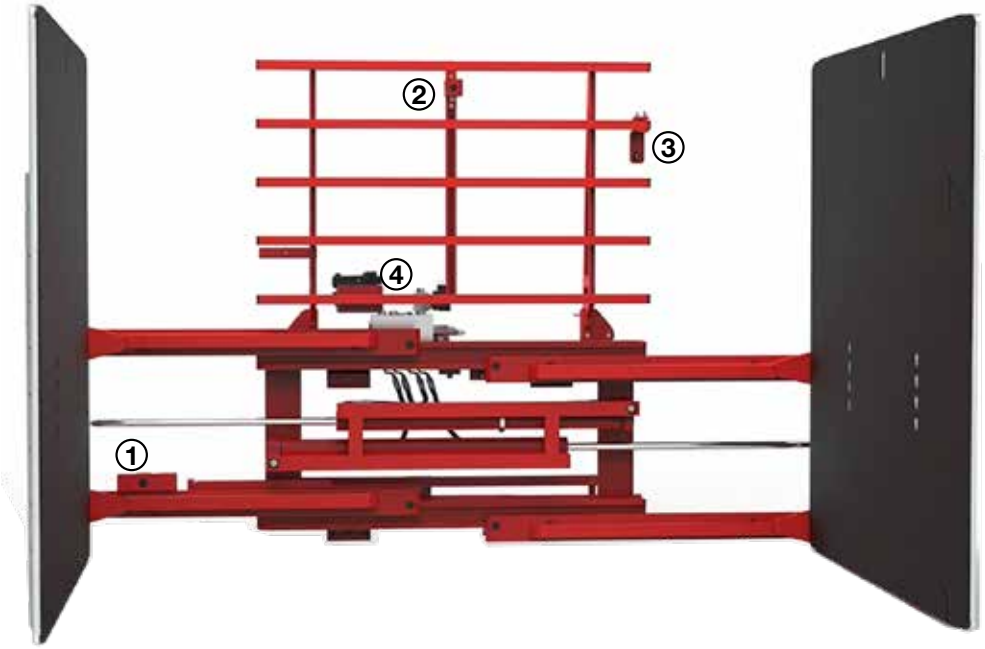
3PLs can easily print their **online report** showing perfect correspondence between product handling and manufacturers' force guidelines.

The remote monitoring function includes also a **remote diagnosis** dashboard that allows Bolzoni Group service organization to immediately intervene on the clamp set up and have a detailed view of the clamp's parameters.

It is also possible to recalibrate the pressure levels in case of introduction of new loading schemes and finally to switch to single pressure manual mode.

Recap of the system USPs:

- FULLY AUTOMATIC SYSTEM
- TOTAL LOAD DAMAGE PREVENTION
- INDEPENDENT FROM TRUCK DRIVERS LACK OF EXPERIENCE
- THE ONLY FULLY WIFI CONNECTED CLAMP
- TOTAL CLAMP / PRESSURE / FORCE REMOTE CONTROL
- LOWER TCO THANKS TO TOTAL PROTECTIN OF ELECTRONIC COMPONENTS
- HIGH PRESSURE ACCURACY DUE TO PRESSURE SENSOR AND CLOSED LOOP
- DIAGNOSIS / REPORTING / DOWNLOADABLE FILES





① Laser sensors to detect the load and the opening range of the arms.



② Laser sensor to detect the presence of the load in height.



③ Lamp for fast feedback on clamp functioning.



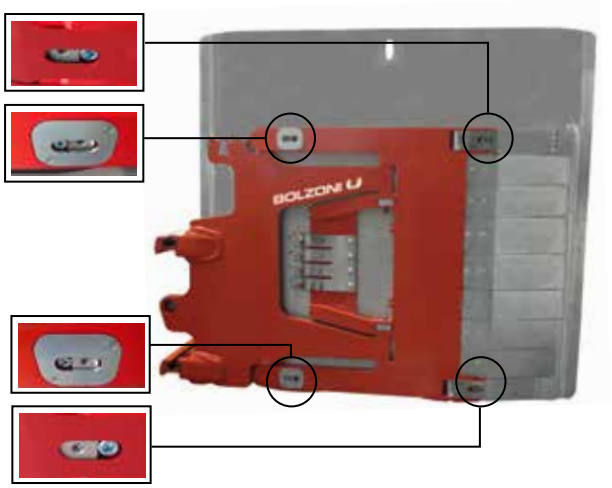
④ Gateway to share data on web interface.

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ForceBalance Pad

This patented Bolzoni system allows perfect distribution of the clamping force over the arms' surface thanks to the user friendly registration of four thread screws that impact on the arm camber. This system has been tested and implemented for a long period in cooperation with one of the main distribution centers in Italy working 24/7. This pad configuration performed to be more resistant to mechanical deformations, in comparison to most of competitors' clamps after a long period of use.



BOLZONI is one of the worldwide leading manufacturers of lift truck attachments, forks and lift tables. The company has manufacturing plants in Italy, Germany, Finland, America and China and through its network of direct branches and independent dealers covering all continents it is able to satisfy all market requirements.

Wide Range of Cartons: Wide Range of Clamps

The Bolzoni carton clamps range is the result of a great commitment and investment in providing an extensive industry solution targeted to generate tangible savings and assets for the end user.

Each product or load schema requires an individually adjusted clamping force and pads configuration. This is the reason why Bolzoni designed a wide range of carton clamps customized for each specific end user's demand including:

- Rigid arms version
- Single and double oscillating version
- Tilting version
- Rotating version
- Single oscillating version with Force Balance

BOLZONI serve material handling industries in the areas of forest products, white goods, logistics, food and beverage, chemistry, steel, automotive and many others. Robust products, with superior visibility, handle loads efficiently, safely and damage free. The BOLZONI Group is totally committed to continuous quality improvements, providing excellence to customers worldwide.
For more information on Bolzoni products, please visit our website us.bolzonigroup.com and contact us at insidesales@bolzoniauramo-usa.com , or contact the nearest Bolzoni representative.

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