# Use and Application

Grippers are usually used for palletizing with robots. Almost all possible products like cartons, boxes, baskets, trays, bags, foil packs, buckets or bottles can be handled. The right choice of the matching gripper is crucial for the palletizing result.

Of most importance is the required task which determines the design of the gripper. The more complex a palletizing task is, the higher the requirements on the gripper are. For exceptional products we develop special grippers as a special solution. Contact us!

## Function

The gripper ensures that the product can be handled by the palletizing robot. Utmost priority lies in the safe and secure gripping of the product and prevention of damage to the product and the surrounding area during the palletizing procedure.

Grippers for palletizing applications can be generally classified in the following functional groups:

- Clamping grippers
- Fork grippers
- Suction grippers
- Magnetic grippers

## Advantages

- Large assortment of gripper types for a variety of usages/applications
- Clean pallet configuration through use of appropriate gripper
- Format changeovers possible without changes on the gripper for the majority of grippers
- Most grippers also handle interleaves and pallets thus reducing the number of machines required
**Bag Gripper GR07**
The Bag Gripper GR07 gently grasps bags from the sides and below directly on the roller conveyor. The gripper fingers are adapted to the bags in such a way that no bag deformations result through the gripping action.

**Box Gripper GR16**
With the suction gripper for boxes, boxes can be grasped and placed. Due to the multiple suction zones which can be controlled separately the gripper is able to lift boxes with varying formats alternatively.

**Layer Gripper GR171**
The layer gripper can grasp complete product layers consisting of 4 bakery baskets, meat market cases/E2 containers, box trays with insertion plates and base cut-outs or simple boxes of 4 to 8 pieces per layer and place these by centering the previous layer exactly on or in each other.

**Clamp Gripper GR24**
Springy carbon fingers clamp the product gently on its sides. The high quality servo drive technology allows for high speeds during the gripping and placing movements of the gripper. In this way high palletizing performance as well as palletizing exactness is possible.

**Fork GR25**
With the universally usable fork gripper GR 25 a variety of products such as closed boxes, open box trays, bags, foil wrapped bundles, and containers can be palletized. With additional units on the gripper it is also possible to handle interleaves or empty pallets.

**Bucket Gripper GR26**
With exchangeable hooks that are adapted to the to be palletized product the GR26 can palletize buckets or bucket stacks of various shapes and sizes. The gripper can also handle empty pallets and paper or cardboard interleaves to form double pallets.

**Layer Gripper GR27**
Complete layers of a wide variety of products can be handled with the universal layer gripper. Palletizing as well as depalletizing tasks can be carried out.

**Clamp Gripper GR40**
Cartons and boxes in different formats can be palletized with the clamping gripper. Interleaves can be handled as well.