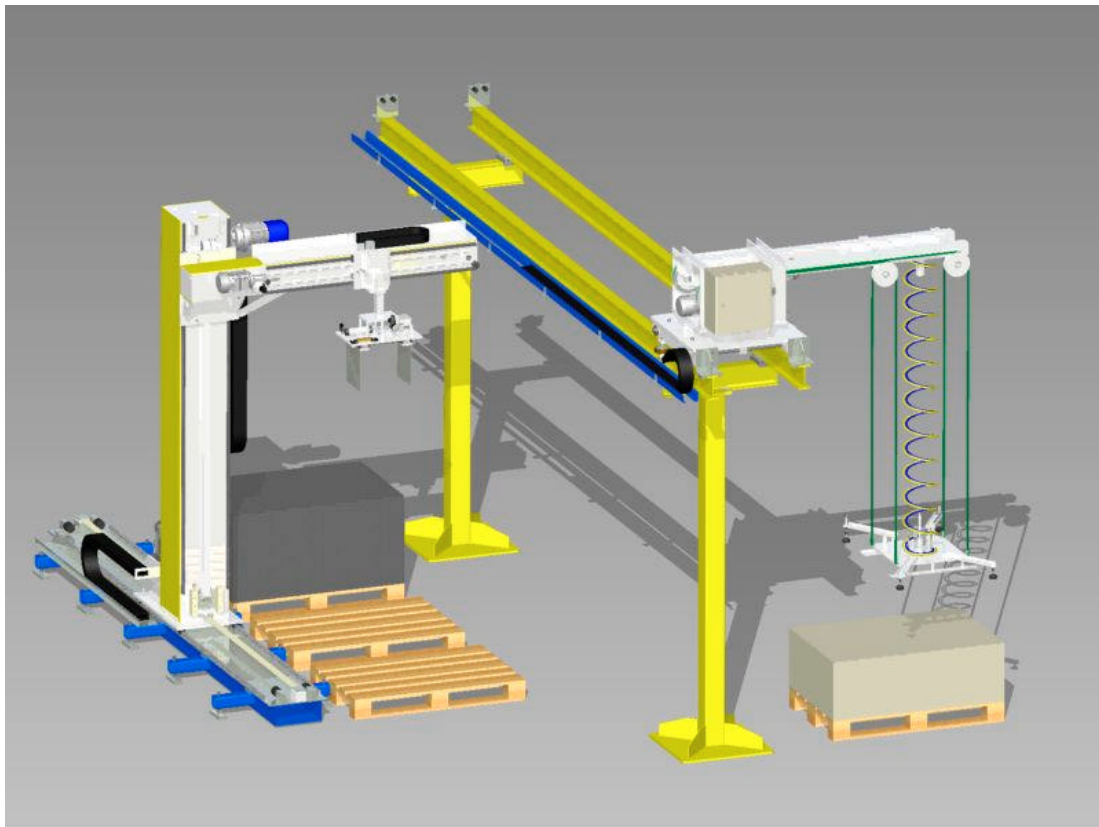


PALLET INTERLEAF FEEDER



Solaut produces pallet interleaves feeders for single bay or palletizing systems that position the interleaves, taken from a single stock, on more palletizing stations.

MULTIPLE PALLET INTERLEAF FEEDER



Multiple pallet interleaf feeder, example of positioning on a cartesian palletizer



Gripping element with suction cups

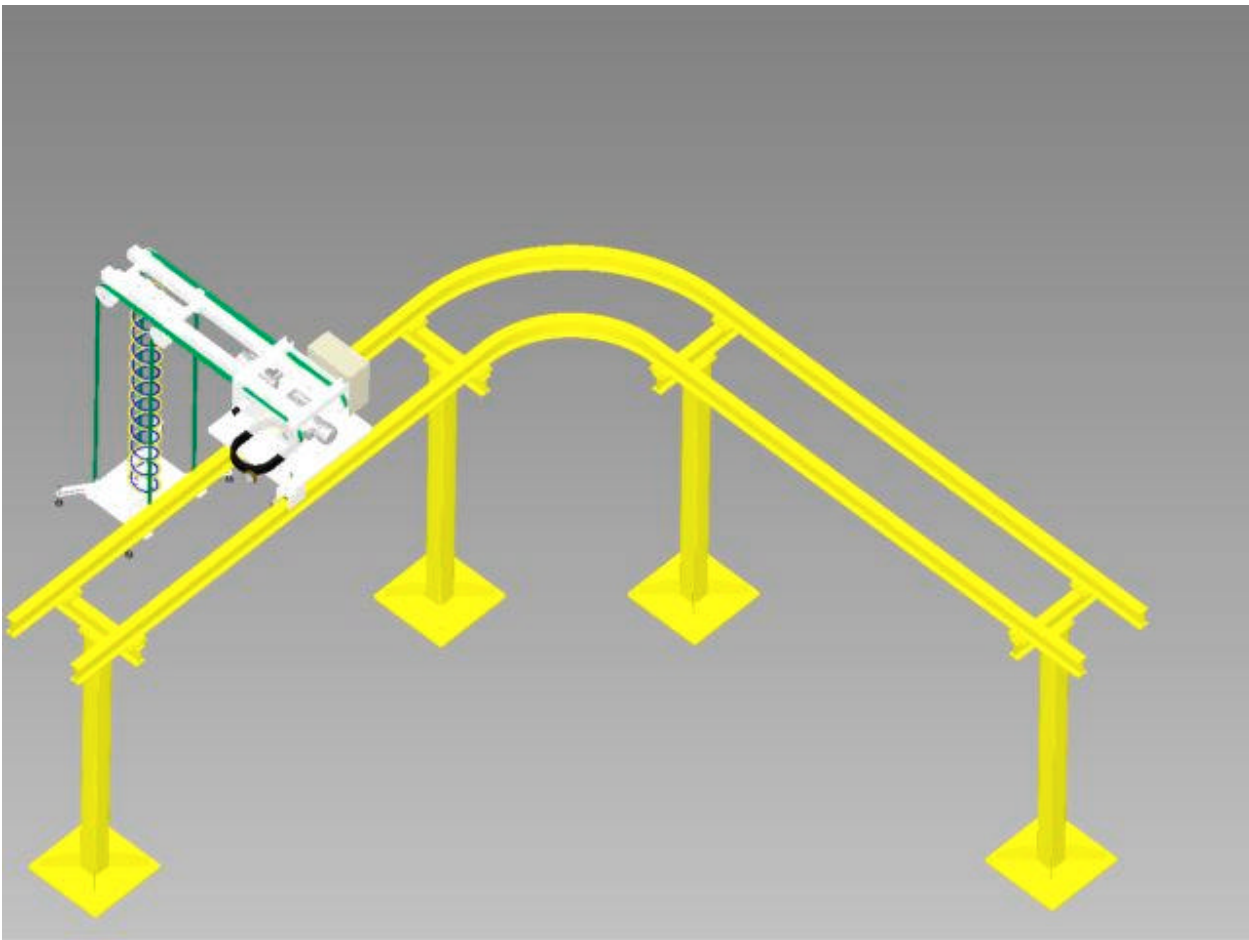
This product is suitable for all applications that require the placement of interlayer multiple locations palletizing. The machine picks up the flaps from a single warehouse. The palletizing stations can belong to a single machine or belong to multiple palletizers. Positioning is completed the gripping head is raised, rotates so as to bring out footprint of the machine and therefore allow palletizer to work and the pallet interleaf feeder to withdraw a new flap.

The constituent elements of the pallet interleaf feeder are:

- the rail
- the cart for the pallet interleaf
- the pallet interleaves warehouse
- the electrical panel on the ground

The rail is constituted by a pair of double T beams 645mm step. The rail is fixed a track to power the electrified trolley interlayer. The rail shall be placed over the frame of the palletizers. The rail is composed of straight sections and bends that allow to realize the necessary path to reach all points of the system.

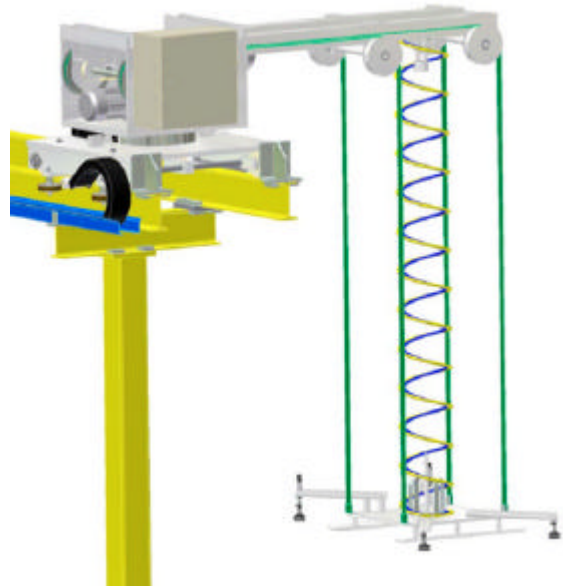
The cart pallet interleaf holder runs on the rails by means of rubber wheels. The basket is self-propelled: on board it has the motor for the movement on the rail, the PLC control of the translation is that of all the movements, an uninterruptible power to ensure the continuity of power supply, the grip head with suction cups for the coupling of the pallet interleaf, the winch for vertical movement of the gripping head and the positioning arm of the grip head.



Plan view of the rail



Pallet interleaves warehouse



Winch group

The foot warehouse is simply a carpentry of containment. Its position can also be distant from the point of use of the pallet interleaves.

The framework elettrico ground contains the electromechanical elements and safety to the carriage through the electrified track. For the command of the pallet interleaves feeder there is an operator panel connected with the carriage by means of a wireless ethernet. Communication with the rest of the system can occur through the I / O ethernet or through a second PLC is also equipped with Ethernet port.

Your cart is shaped and installed to be able to move freely from one location to another system, without affecting the organs in motion the palletizer. The arm of the carriage which carries the gripping head of the interlayer, can rotate in the horizontal plane.

The cart is positioned at the side of the pallet interleaves warehouse; the arm rotates to bring the gripping head in axis with the flaps. The winch lowers the pickup head until reaching the first interleaf; the head by means of 4 suction cups engages the flap and raises. Completed the lifting, the arm rotates to bring the head out of the way. The movement of translation of the carriage towards the point of application of the flap begins. Reached the point, the cart waits for the consent of the palletizer. When the command has taken place, the arm wheels to bring the flap in axis with the pallet; the winch lowers the water table on the pallet. Completed tripping, the head goes back and completes the rotation of the arm, the consent for the resumption of palletizing is sent.