

## Rigid Arm Pneumatic Manipulator with Suction Cup Gripping System



**ATIS**  
MANIPOLATORI PNEUMATICI

The ATISmirus 100 manipulator is the ideal solution for optimizing the handling of your cardboard boxes. Designed for efficiency, safety, and precision, this system automates the work cycle, from picking up the boxes from the roller conveyor to placing them on the pallet, significantly improving productivity and reducing downtime.

### Advantages:

- **Withdrawal:** From roller conveyor to pallet release.
- **Grip System:** Suction cups
- **Structure:** Rigid arm made of high-strength steel to ensure stability and high load capacity.

- **Movements:** The manipulator is equipped with an articulated arm that allows for smooth and precise movements in all directions. The operator can position cardboard boxes with ease and accuracy.
- **Safety:** Equipped with parking brakes on all rotation axes to prevent involuntary drifts and a vacuum system with a non-return valve to avoid the risk of accidental falls in case of lack of air.
- **Versatility:** Ideal for handling cardboard boxes of various sizes and weights.
- **Additional movements:** You can manually adjust the position of the suction cups.
- **Execution:** Column to be fixed to the floor.
- **Buttons:** Pick-up and release button, pick-up indicator light, pressure gauge, single brake control selector, up/down lever with speed control

### Frequently Asked Questions:

- **Can the manipulator lift cardboard boxes of different sizes and weights?**

Yes, the suction cup system is configured to adapt to cardboard boxes of various sizes, ensuring stability even with heavier models.

- **Is it suitable for continuous work cycles?**

Yes, the system is designed to ensure reliability and durability over time even in high productivity contexts.



### Typical Applications:

- Assembly lines;
- Loading and unloading of machines;

The customized configuration of the ATISmirus 100 manipulator with suction cup gripping system was specifically designed to meet the needs of handling cardboard boxes. The flexibility of the suction cup, combined with the manipulator's load capacity, allows for safe and efficient handling of the process.

Invest in the safety and efficiency of your operators. Our manipulator is the ideal solution for safe and precise handling. Contact us to find out how we can customize it to your specific needs.

[www.youtube.com/@manipolatori/videos](http://www.youtube.com/@manipolatori/videos) - [www.atismanipolatori.com](http://www.atismanipolatori.com) - [atis@atismanipolatori.com](mailto:atis@atismanipolatori.com)