ATIS
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Advantages of ATIS Industrial Pneumatic Manipulators

In the era of Industry 4.0, automation of production lines is a must for companies aiming to excel in a competitive global market. ATIS pneumatic industrial manipulators, including balancers and zero-weighters, emerge as a cutting-edge solution, designed to increase operational efficiency, ensure worker safety and optimize production costs, offering unprecedented zero-g handling.





Operational Efficiency: Speed and Precision at the Service of Productivity

Superior Speed

ATIS pneumatic manipulators are engineered to lift, move and position heavy, bulky, fragile, dangerous or hot loads with unmatched precision and speed.

Accuracy Guaranteed

Pneumatic force allows these devices to handle variable loads without compromising the speed of operations.

Increased Productivity

The use of manipulators results in a significant increase in productivity and a drastic reduction in downtime, thanks to their ability to offer zero-g handling.

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Worker Safety: A Safe and Ergonomic Work Environment



Safety First

Workplace safety is a top priority.

Risk Reduction

ATIS pneumatic manipulators simplify the handling of objects, drastically reducing the risk of injury.

Injury Prevention

By eliminating the need for operators to manually lift heavy loads, the risk of musculoskeletal injuries is minimized.

Advanced Security Systems

ATIS advanced safety systems ensure safe operations even in the event of air supply interruptions.

Versatility and Adaptability: Customized Solutions for Every Sector

Flexible Mounting

ATIS pneumatic manipulators, including balancers and zero-weight balancers, can be mounted on columns, ceilings, ceiling or floor rails, on self-supporting bases, even equipped with wheels or pallet trucks and in many other versions.

Management of Different Loads

They are able to handle loads of different shapes and sizes, adapting to the specific needs of each industrial application.

Multi-sector Applications

This flexibility makes them ideal for sectors such as automotive, food, pharmaceutical, ceramics, glass, mechanics, chemicals, plastics, textiles, electronics, logistics, warehousing, metallurgy, foundries, wood, construction, and anywhere there is a need to move a product.



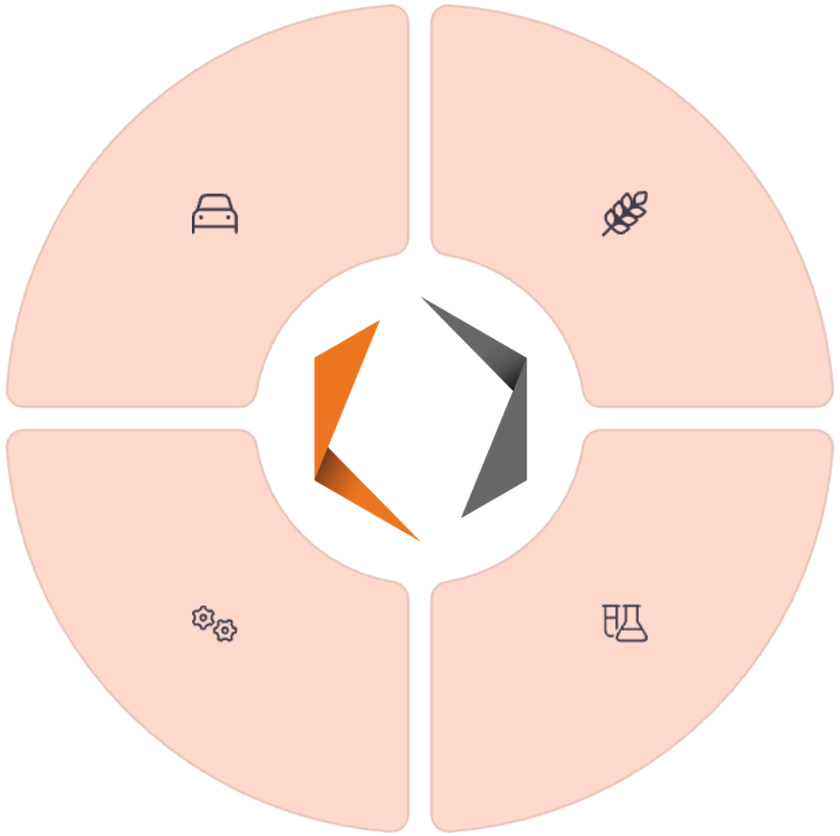
Industry Specific Benefits: Some Examples

Automotive Sector

- Precision in Assembly: ATIS pneumatic manipulators ensure precise movements, are reliable over time, improving the quality of automotive component assembly.
- Safety: Reduce the risk of injury when handling heavy and bulky parts.

Mechanical Sector

- Handling of parts: ATIS pneumatic manipulators allow you to handle precision mechanical parts without the risk of damage.
- Ergonomics: Reduction of physical effort on operators when handling heavy mechanical components.



Food Sector

- Hygiene and Safety: ATIS pneumatic manipulators can be easily sanitized, ensuring a hygienic working environment, available in stainless steel versions with specific features for this sector.
- Efficiency: Automating the packaging and handling of ingredients or even finished products, improving productivity.

Pharmaceutical or Chemical Sector

- Precision and Accuracy: Precise handling of sensitive materials, ensuring the quality of pharmaceutical products, available in stainless steel versions with specific characteristics for this sector.
- Cleanroom Compatibility: ATIS pneumatic manipulators are ideal for sterile environments, reducing the risk of contamination.

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Other Examples of Application Sectors

Ceramic Sector

ATIS industrial manipulators are perfect for handling ceramic tiles and slabs without risk of damage, improving speed and precision in handling operations in all production phases.

Glass Sector

Safe handling of even large glass sheets, reducing the risk of breakage and increasing precision, with adaptability to different glass sizes and thicknesses.

Beverage Sector

Efficient and safe handling of bottles, cans and packages, maintaining product integrity. Optimization of bottling and packaging processes with solutions that comply with hygiene standards.

Sector Electromechanical

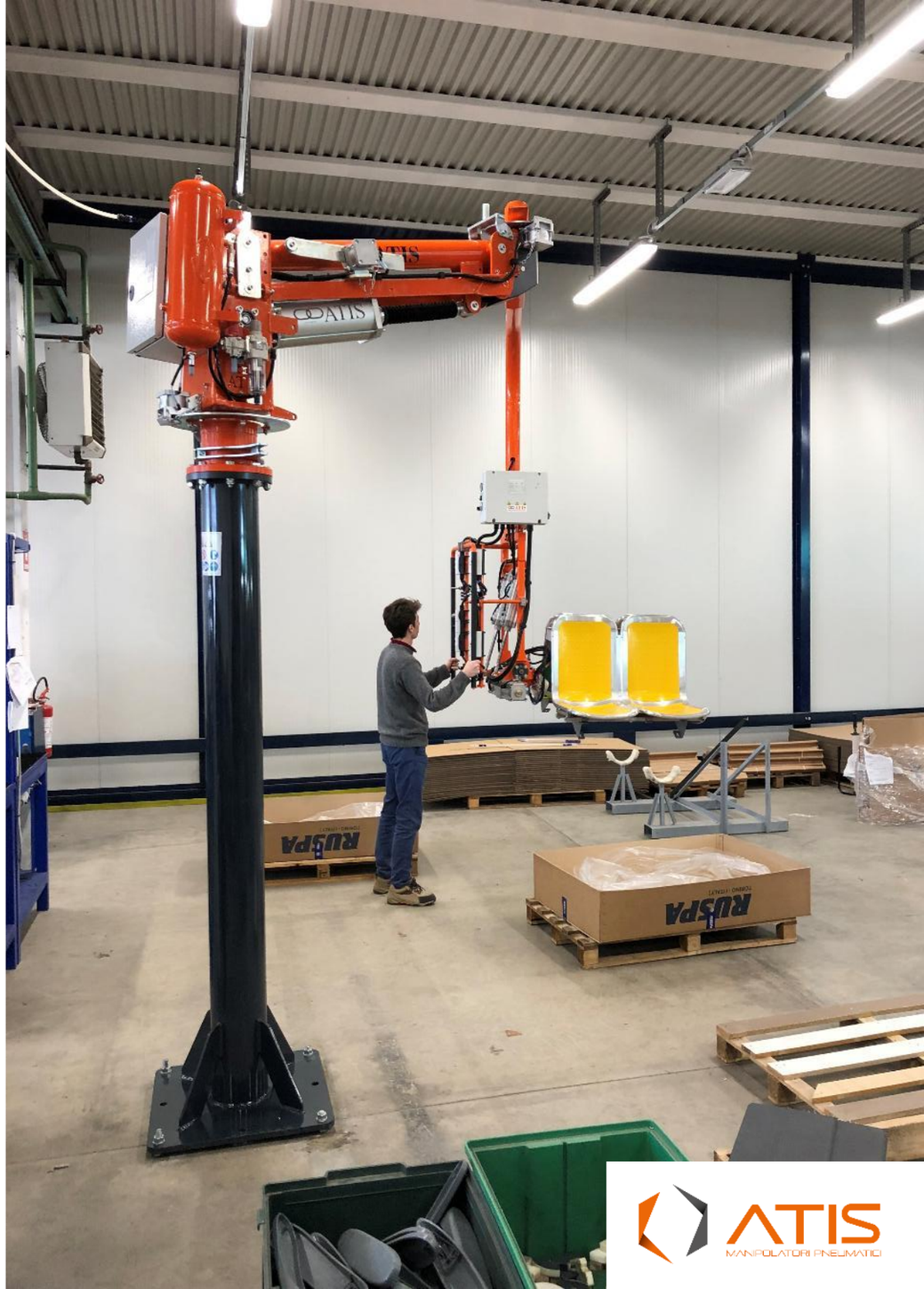
Precise handling of electrical components, improving the quality of the final product and reducing the risk of damage to components during handling.

Foundry Sector

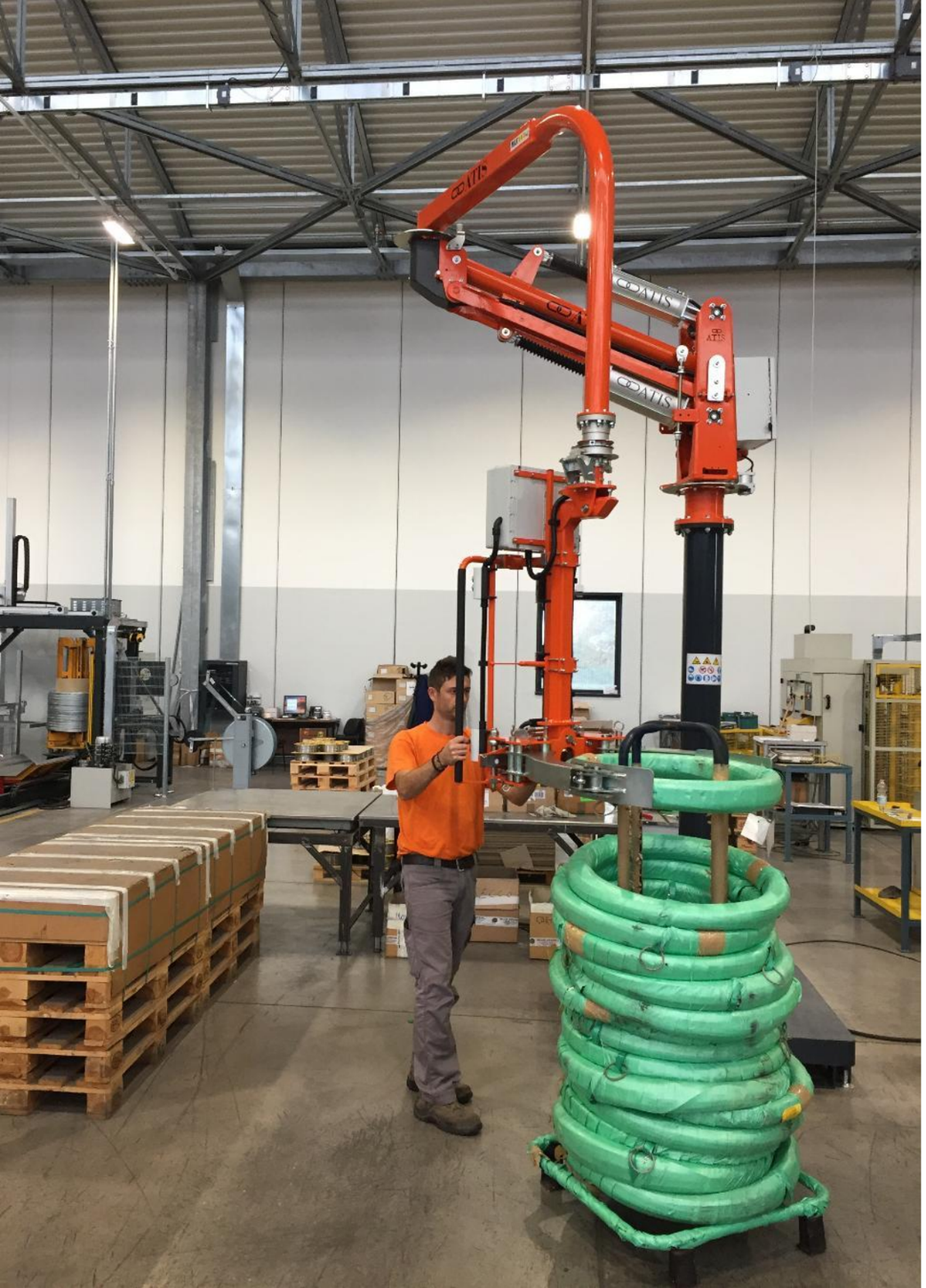
Handling castings and cores with precision and safety, withstanding high temperatures. Reducing risks for operators in harsh environments.

Wood Sector

Handling of wood panels, furniture, windows, beams, doors with care and precision, avoiding scratches and surface damage. Optimization of production and assembly processes in the wood sector.



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Precision and Control: Optimized Movements for Product Quality

Pneumatic Control Systems

Pneumatic control systems and **ATIS exclusive patents** allow our balancers to perform **precise movements** and repeatable, essential in applications where precision is key.

Precision Applications

These systems are particularly important in the assembly of components and the handling of delicate materials, where each **movement** must be **checked with extreme accuracy**.

Weight Zeroers

ATIS weight zeroers ensure that loads are always correctly balanced **as if your product was on the moon** guaranteeing you the **full handling of the same** but **without any effort** in movement in any direction, improving the quality of the work and the final product.

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Reduction of Operational and Maintenance Costs: Costs:

SLC

Saving on Labor Costs

Implementing ATIS balancers or zero-weighters can optimize labor costs by reducing cycle times and increasing efficiency. The actual savings will depend on the specific characteristics of your business, but in certain situations, savings of up to 30% can be achieved.

IP

Increased Productivity

The adoption of ATIS industrial pneumatic manipulators can help increase productivity, with results that vary based on specific applications and production processes. In some cases, an increase of up to 25% has been observed, thanks to the greater speed and precision of operations.

IR

Injury Reduction

The adoption of ATIS industrial manipulators significantly reduces the risk of injuries related to manual handling of loads. This translates into a reduction in direct and indirect costs associated with workplace injuries, such as medical expenses, compensation and production interruptions. A safer work environment also increases employee morale and retention.

ROI

Return on Investment

Investing in ATIS pneumatic manipulators is a strategic choice to optimize operating costs and increase productivity in the long term. The economic benefits are derived from time reduction and improved working conditions.



Return on Investment (ROI)

Strategic Investment

Investing in ATIS pneumatic manipulators is a strategic choice to optimize operating costs and increase productivity in the long term.

Economic Benefits

The economic benefits of reduced cycle times and injuries translate into a solid return on investment, with payback times that vary based on specific business needs.

Recovery Times

Companies that have adopted ATIS pneumatic manipulators have seen a significant return on investment, with payback times in some cases being less than two years.



Investing in ATIS pneumatic manipulators is a strategic choice

1 **Versatility**

The ATIS manipulators represent a solution effective to improve the efficiency, the safety and the quality from the operations industrialists

2 **Efficiency**

Their versatility allows them to handle loads of different sizes and weights, reducing waiting times.cycleand improvingergonomics of the place of Work.

3 **Safety**

They help reduce the risks of accidents and occupational diseases, improving working conditions and reducing associated costs.

4 **Strategic Investment**

Investing in ATIS pneumatic manipulators represents a strategic choice to optimize operating costs andincrease long-term productivity.

5 **Recovery Times**

The economic benefits of reduced cycle times and injuries translate into a solid return on investment, with payback times that vary based on specific business needs.

Contact us

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For more information about our pneumatic industrial manipulators, do not hesitate to contact us!

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