



TECNA
CAR

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Smart Intralogistics



VTA 101

For the transport of smaller loads on shorter routes.

The VTA 101 is the versatile, economic mini tow tractor for towing lighter trailers. It is ideal for the transport of loads in very tight spaces: whether in the furniture business, industry, etc.

- Up to 1000 kg pull capacity



VTA 103-105

Powerful, versatile and economic tow tractor for pulling trailers up to 5 Tons.

The 6 Kw AC Motor and the optimized Tecna performance system, ensures even the most powerful truck in this range and optimum efficiency in all conditions. With its 75 shores soft polyurethane drive tire, the VTA 103/105 provides optimum traction at all times.

- Up to 5000 kg pull capacity



VTA 305-306

Compact design and extreme manoeuvrability for optimum working performance.

The VTA 305-306 can pull trailers of medium weight. With superelastic drives wheel give it optimal traction even on very smooth industrial floors.

The Tecna Control System, automatically reduce speed when cornering, to keep always driving in safe conditions.

- Up to 6000 kg pull capacity

Electric Tow Tractors

Traction Control System TCS, developed by Tecnacar, making driving safer and saving the wear of the tires.

Ergonomics

The new range of seats with different levels of suspension, its integral armrest adjustable in height and depth in a single action, joined to the tiltable and telescopic column gives to the driver the maximum ergonomics.

Display

The programming for maintenance and parameters adjustment can be made from the great Display, as well as through the Tecna Service Tool (TST).

Flux Vector Control

Infinite programming latest technology. Intelligent adaptation to the work needs, determining in each case the minimal battery consumption.

 **Li-ION**

Battery

Lithium technology available in all models and lateral battery extraction as standard.

“Automatic Collapsible System ACS® Developed by Tecnacar for an automatic speed reduction in curves”





VTA 307-310

Our tractors are particularly impressive when at use in production supply in indoor and outdoor material handling as a tugger train.

Our versatile VTA 307-310 is ideal for towing of heavier trailers. It also represent an economical tow tractor solution for longer operations.

Optimum safety through combination of three braking systems: electric brake, hydraulic brake and electromagnetic parking brake

- Up to 10000 kg pull capacity



VTA 410-430

Robust and powerful in indoor and outdoor operation over long distances.

Our VTA 410-430 are the answer to operational demands with heavy trailers up to a total weight of 30 tn.

The overhead guard is floating on hydraulic shock absorbers so as to transmit the maximum comfort to the driver, eliminating vibrations and reducing the noise level.

- Up to 30000 kg pull capacity



VTA 440

Robust and powerful in indoor and outdoor operation for heavy loads.

Maintenance-free AC motors ensures powerful acceleration and excellent gradeability.

The advanced AC motors together with the efficient develop, means a truck with great reliability and lower maintenance cost.

- Up to 40000 kg pull capacity

Electric Tow Tractors

Highperformance engines

The high power of the two traction motors, all asynchronous (without maintenance). Extremely high dynamic response in any situation.

Comfort

The overhead guard is floating on hydraulic shock absorbers so as to transmit the maximum comfort to the driver, eliminating vibrations and reducing the noise level.



Brakes

Braking system based on oil-bathed totally encapsulated disc

“Smart Electronic Differential SED® Without potentiometer or direction sensor, with automatic adjustment by software (Without maintenance).”





ASC 100

Low profile AGV designed to pull the trailers getting under them.

The AGV are equipped with buzzer and potent leds lights wich clearly indicate the status of their presence, both visual and acoustic

- Up to 2000 kg pull capacity



ASC 200

Bi-directional low profile AGV.

Able to drive in both directions with two traction systems, one in each sense.

- Up to 3000 kg pull capacity



ASL 100

Tugger AGV for indoor works.

Forks with lifting system to pick up loads from the floor.

Perimeter bumper (optional).

- Up to 2000 kg capacity

A.G.V. Automatic Guided Vehicle

Our AGVs are developed according to the highest security requirements. They are quick and flexible, capable of resolve every need of our customers and also being adapted to modifications in logistic and production process. The development of the effectiveness, cost reductions and the increase in rentability are our goals, wich made us an ideal partner.

Safety

Our vehicles and complete solutions are designed according to the most demanding safety requirements.

Flexible

Quick and flexible installations, able to easily solve any production and logistics processes needs.

Efficiency

Efficiency improvement and cost reduction allow our systems to increase the profitability, wich is why we are the ideal partner for AGV solutions.

“Our AGV solutions comes from more than 40 years of commitment in the material handling business, and we are always in search of logistics and production improvements”





AST 100

Powerful, versatile and economic AGV for pulling trailers up to 5 Tons.

Security against obstacles: Detection by laser SIC scanner of security.

Traction and steering control system: Through PID card with double microprocessor system and triple monitoring of operation.

- Up to 5000 kg pull capacity



AST 300

Usefull AGV range for most of industrial applications both in indoor and outdoor material handling as a tugger train.

Our line of AGVs is dual mode, able to work automatically as well as in manual mode with driver.

- Up to 10000 kg pull capacity



AST 400

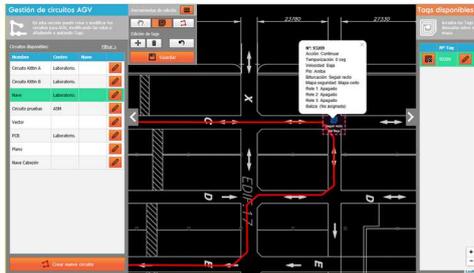
Robust and powerful in indoor and outdoor operation over long distances.

Configuration system: Digital control unit with GPRS communications Integrated or WIFI. Connection to centralized management system for configuration and tracking from the website.

- Up to 40000 kg pull capacity

A.G.V. Automatic Guided Vehicle

Easy installation and maintenance, as well as flexibility in the necessary adaptations, creation of circuits and virtual routes with great simplicity



Navigation by magnetic tape tracking or free navigation by SLAM contour recognition, without the need for physical elements or markers, by triangulating the positions by the LIDAR sensor.

“Possibility to automatize the electric management and hydraulics for trailers trains”





Plateau Storci

Milkrun train with an excellent directional stability for an optimal assembly line supply.

Input & output of the Platforms on both sides of the Receiving Trailer



Double Entry Storoll

The operational principle of the Storoll Milkrun train is to quickly remove and replace Platforms in any Receiving Trailer, whatever its order in train. A Milkrun train fosters a Just In Time production mode.

In the warehouse, the Platforms are loaded with forklift trucks and then manually slid in a Receiving Trailer.



Crossing Storoll

Milkrun train with an excellent directional stability for an optimal assembly line supply. All your loads are transported thanks to a single flexible Receiving Trailer

Transport of the material without forklift
Some ergonomic Platforms are "slided" to the different work stations : an empty/full Platform replacing a full/empty one
Train with an excellent directional stability
Input & output of the Platforms on both sides of the Receiving Trailer.



Storpal

An innovative handling solution to gain in productivity by assuring high flows.

his innovative Milkrun train, whose directional stability is excellent, enables the automatic and manual loading & unloading of pallets and/or other containers.

Standard Milkrun train with 3-4 platforms
Loading / unloading : right and left side
Maximum charge : 1.500 kg per pallet
Train speed : 6 km/h in manual mode.

Logistic Trains

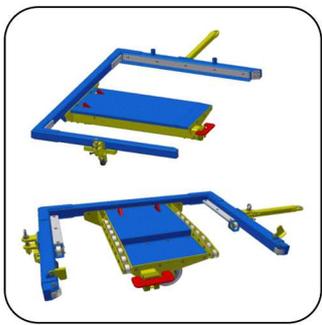
OUR PRODUCTS

- Innovative & ergonomic solutions
- Products adapted according to your technical specifications
- Custom-built material
- Excellent directional stability

ADVANTAGES

- Ergonomy & comfort of use
- Strengthened security
- Decrease (even removal) of forklift trucks
- Fast execution of the task
- Fast Return In Investment
- Very low maintenance
- Ideal in very narrow paths





E-Frame

Milkrun train with an excellent directional stability for an optimal assembly line supply. Each Receiving Trailer can transport platforms of different dimensions and possibility of electric lifting of the load.

Milkrun train towards a JIT production in order to optimize your material supply.



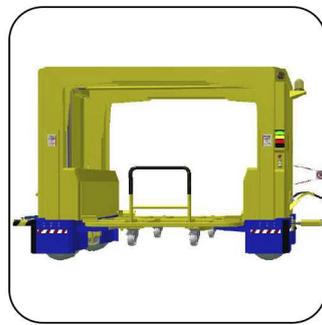
C-Frame

Maximun load capacity up to 2 tons.

Lifting system with 2 forks with single plate, 4 forks with independent double plates.

Patented steering system with 4 independent super-elastic tires mounted on swivel mounts with fifth wheel.

An automatic locking system of the dolly (trolley) on the frame. Outlet with thrust system to facilitate the extraction of the foot frame (patented)



MPT Frame

Modular portal trolley.

The multifunctional transport system with loading and unloading from both sides can be customized according to needs of applications:

- With free rollers
- With motoriced rollers
- With 2 systems electric lift plataforms
- With a single electric or electro-hydraulic lifting plataform.



Manual Frame

Lightweight frame chassis.

The frame has been designed to carry, load and unload both on the right and left sides by reversing the pallet rudder loaded on dolly.

Possibility of assembling trains from 2 to 4 frame linked together.

Logistic Solutions



The Tow Tractor for logistics solutions

Load capacity: 7 - 25 Tons

- Pump motor of 10 kW.
- Hydraulic internal gear pump.
- Proportional hydraulic distributor.
- An electrical connector for power and control of frames, with CAN-BUS communication.



Hydraulic/electric trailers control

Hydraulic and electric system controls from inside the cabin



Red light/green light depending on speed

Adjustable speed so that the red light is on in order to inform speed excess



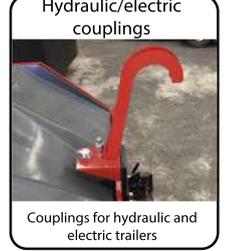
RFID Telemetric system

Control system for drivers, shocks, gps



Hydraulic and approach control

Remote control of hydraulic and approach system



Hydraulic/electric couplings

Couplings for hydraulic and electric trailers



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