

x-ACT

www.pramac.com

 Lifter[®]
Mobile
Robotics
PRAMAC



Lifter Mobile Robotics is a Pramac brand delivering **autonomous pallet handling** with smart, accessible and adaptable solutions for every application and operating environment.



Our mobile robots are engineered to operate safely and efficiently in dynamic industrial environments, streamlining material flow and reducing manual handling through advanced automation technologies.



Fast to deploy and easy to integrate, our solutions are designed and manufactured in Italy, combining strong industrial know-how with competitive performance to deliver reliable, high-quality automation at optimized cost.



Custom configurations and tailor-made solutions allow seamless handling of different pallet types, adapting to specific load requirements.

From standard applications to tailor-made solutions, Lifter Mobile Robotics helps companies optimize productivity while keeping automation accessible, scalable, and future-ready.

X-ACT



EXTRA

COLLABORATIVE

EXTRA

PERFORMANCE

EXTRA

COLLABORATIVE

Human and machine. Working as one.

X-ACT is designed to enhance collaboration between operators and autonomous systems, combining digital control and direct interaction in a single integrated solution.



The Power of the Display

The integrated display is the digital interface of collaboration. It keeps operators connected to the system, providing real-time visibility, mission control, and operational feedback.

What it enables:

- Real-time mission monitoring
- Direct task management
- Easy configuration and diagnostics
- Clear system status at a glance



The Role of the Tiller

The tiller represents the physical side of collaboration. It allows operators to take immediate control whenever needed, ensuring flexibility and precision in dynamic environments.

What it enables:

- Seamless switch between autonomous and manual mode
- Full operational control when required

EXTRA

S A F E T Y

- Instant manual intervention
- Safe handling in complex situations

THE WIDEST RANGE OF USE CASES

From Assisted to Fully Autonomous

COLLABORATIVE

Manual lifting, autonomous transport

- Hybrid operation for unplanned destinations

AUTONOMOUS

100% automated missions

- Floor to floor & vertical Warehouse

EXTRA

P E R F O R M A N C E

Reliable Design. Proven Navigation.

X-ACT combines Pramac industrial manufacturing expertise with advanced navigation technology to deliver robust, high-performance autonomous solutions built for real logistics environments.

Performance Powered by Technology



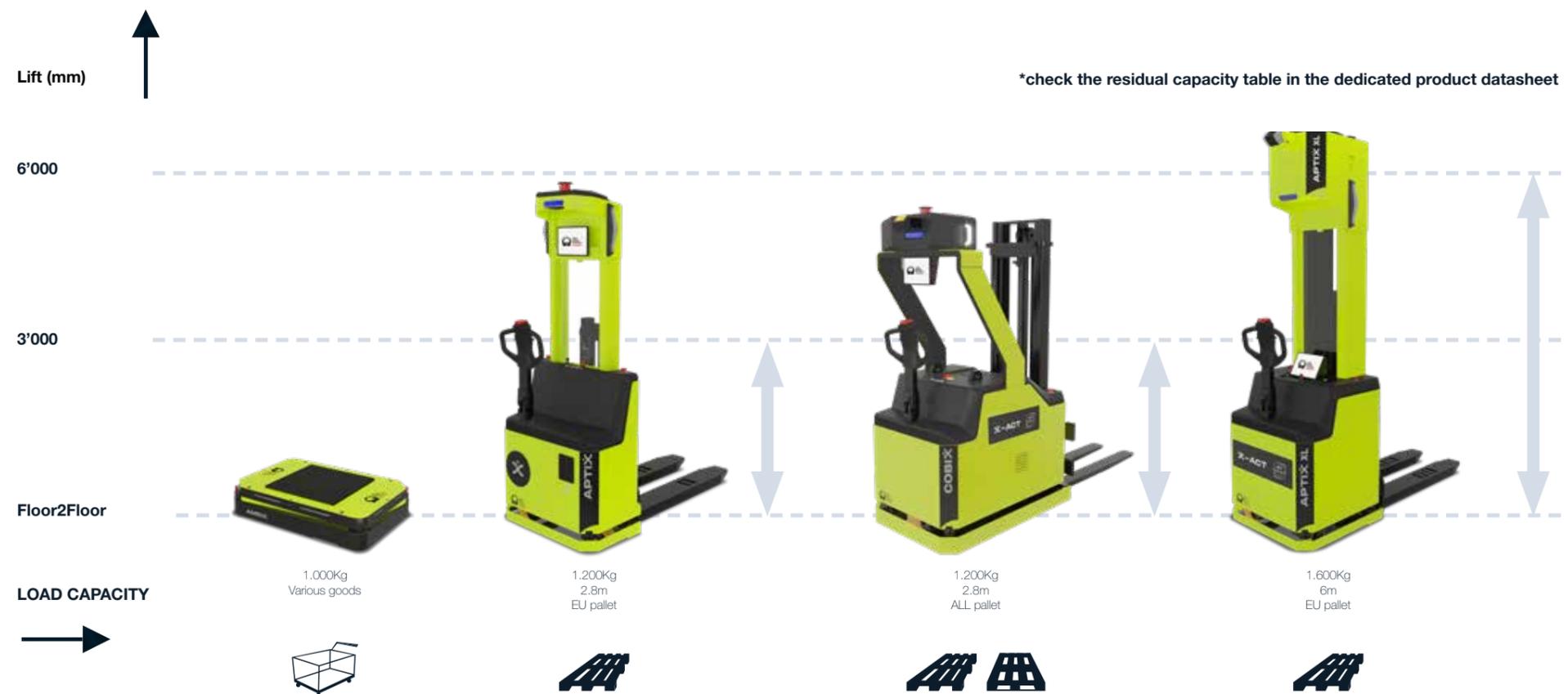
Advanced navigation and fleet intelligence enable precise movements, traffic control, and scalable multi-unit coordination. Integrated software ensures reliable mission execution and full operational visibility.

Energy Performance Without Interruptions

Automatic battery management and inductive charging systems allow continuous operation with minimal downtime. Smart charging strategies optimize energy usage and support 24/7 workflows without manual intervention.

Built for every intralogistics need

High lifting capacities, optimized weight distribution, and structural strength ensure safe and consistent operations across demanding applications. Designed to handle a wide range of loads while maintaining stability, precision, and operational continuity.



ADAPTIVE BY DESIGN

Seamless integration. Maximum flexibility.

X-ACT is designed to adapt to existing environments without requiring infrastructure changes — making it ideal for brownfield projects and progressive automation strategies.



Natural Navigation

Infrastructure-free navigation that adapts to your environment.

- No reflectors or magnets required, reducing installation complexity and initial costs
- Fast remapping for quick layout updates and evolving workflows



Obstacle avoidance

- SmartPass Obstacle avoidance prevents unexpected blockages and reduces the risk of deadlocks caused by misplaced pallets or dynamic obstacles.



Dynamic Adaptability

Seamless Process Interaction

Designed to integrate naturally into existing workflows and real operational environments.

- Pallet tracking automatically adjusts positioning and maneuvers if a load is not perfectly aligned, ensuring smooth mission execution.
- QR code reader enables automatic data acquisition (weight, ID, product code) directly from the pallet.
- Additional displays allow mission calls and real-time communication at different workstations across the facility.

Open System Architecture

Built to connect seamlessly with existing IT infrastructures and automation ecosystems.

- **VDA 5050** communication protocol enables standardized interoperability with third-party systems and mixed fleets.
- **APIs REST** allow flexible integration with WMS, ERP, MES, and other software platforms.

PERFORMANCE THAT PAYS BACK

Efficiency that translates into real productivity.

X-ACT combines robust industrial design with proven navigation intelligence to deliver consistent, high-performance operations in demanding logistics environments.



Optimized Navigation

Proven Navigation Intelligence

Robust and reliable technology delivering accuracy, repeatability, and operational efficiency

- Advanced navigation ensures smooth and optimized traffic management across the facility.
- Deadlock-free traffic control reduces workflow interruptions
- Optimized routing minimizes travel time and idle movements
- Fast and precise maneuvers improve mission efficiency



Compact Design

Operational Precision

Designed for maximum space efficiency.

- Accurate pallet positioning allows reduced safety distances between loads.
- Compact design — down to 800 mm width — supports narrow-aisle and drive-in environments.
- Higher storage density and better utilization of available warehouse space.



Fleet Manager

Fleet Performance

Scalable coordination for complex operations.

- Harmonized operation of up to 100 vehicles
- Continuous traffic optimization and mission prioritization

x-act

Series



APTIX	
Size LxWxH [mm]	1697x800x2125
Max Load Capacity [kg]	1200
Max Lift Height [mm]	2710
Max speed [km/h]	4.2 MAN - 5.4 AUTO
Turning Radius [mm]	1280
Battery Capacity [V/Ah]	24/105
Aisle width for pallets 800x1200 lengthwise [mm]	2120
Length to face of forks - L2 [mm]	544 (duplex)

APTIX XL	
Size LxWxH [mm]	2035x800x2650
Max Load Capacity [kg]	1600
Max Lift Height [mm]	5910
Max speed [km/h]	4.2 MAN - 5.4 AUTO
Turning Radius [mm]	1595
Battery Capacity [V/Ah]	48/105
Aisle width for pallets 800x1200 lengthwise [mm]	2456
Length to face of forks - L2 [mm]	885 (triplex)

COBIX	
Size LxWxH [mm]	2469 x 800 x 2140
Max Load Capacity [kg]	1200
Max Lift Height [mm]	2710
Max speed [km/h]	4.2/4.2 MAN - 5.4/5.4 AUTO
Turning Radius [mm]	1232
Battery Capacity [V/Ah]	48/230
Aisle width for pallets 800x1200 lengthwise [mm]	2823
Length to face of forks - L2 [mm]	1319 (duplex)

AMRIX	
Size LxWxH [mm]	1256x856x280
Max Load Capacity [kg]	1000
Max Lift Height [mm]	200
Max speed [km/h]	4.3
Turning Radius [mm]	760
Battery Capacity [V/Ah]	48/30

X-ACT

WHEREVER YOU MOVE GOODS



The X-ACT vehicles by Lifter Mobile Robotics are designed to easily adapt to different environments, ensuring safe and precise navigation through advanced mapping and sensor technologies.

Characterized by great flexibility, they can be configured to meet the specific needs of each customer. The forklift range can be also controlled through the intuitive display and tiller. Their easy integration with the environment optimizes logistics operations, while reliability and reduced maintenance enhance productivity and reduce the risk of human errors.

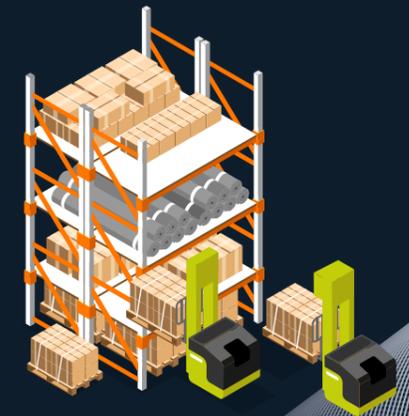
X-ACT offers durable, versatile, and intelligent automation solutions capable of transforming business logistics effectively and efficiently.

INCOMING GOODS Floor Pick-Up



STORAGE Floor to Floor

- Aptix
- Aptix XL



LINE FEEDING Component Delivery

- Aptix
- Amrix



END OF LINE Pallet Buffering

- Cobix
- Amrix



SHIPPING Pallet Pick-Up

- Cobix
- Aptix



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