RA
Robotic Automation

The Home of Intelligent Automation

MAX/AGV
AUTOMATED TRANSPORTS

MAX AGV
AUTOMATED TRANSPORTS

- Over 3000 AGVs distributed worldwide since 1988.

- Offering cost effective and flexible materials handling.

- Customisable with various navigation – including laser guided vehicles (LGV), contour/range-sensing, magnetic and optical – interfacing, and load handling technologies.

- Inbuilt, Windows based WMS Control System handles transport, warehousing, load tracking, buffering and order swapping, optimal dynamic route selection, location selection, charge control, priorities and dead lock prevention.

- Easy to configure and learn.

- Powerful inbuilt WMS package offers significant advantages to end users.

We've found the best in robotics and AGV solutions, so you don't have to!

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FX Fork Lift

FX 04   "Low lifter for narrow spaces"

Dimensions H*L*W:	2050x1650x800mm
Drive capacity:	3 kW
Battery capacity:	Lithium 24V/105Ah
Lifting height:	210mm
Loading capacity:	1000kg

FX 08   "Compact and narrow lifter"

Dimensions H*L*W:	2090x1840x840mm
Drive capacity:	1.2 kW
Battery capacity:	24V/150Ah
Lifting height:	2800mm
Loading capacity:	1000kg

FX 10   "Versatile and compact lifter"

Dimensions H*L*W:	2200x2250x880mm
Drive capacity:	1.4 kW
Battery capacity:	48V/225Ah
Lifting height:	4500mm
Loading capacity:	1000kg

FX 15   "Multi-purpose lifter"

Dimensions H*L*W:	2200x2575x930mm
Drive capacity:	3 kW
Battery capacity:	48V/360Ah
Lifting height:	6000mm
Loading capacity:	2000kg

FX 20C   "Counterbalance for heavy loads"

Dimensions H*L*W:	2450x2675x1160mm
Drive capacity:	7 kW
Battery capacity:	48V/520Ah
Lifting height:	6000mm
Loading capacity:	2000kg

FX 30   "Heavy loads on high altitude"

Dimensions H*L*W:	3160x2900x1230mm
Drive capacity:	6 kW
Battery capacity:	48V/545Ah
Lifting height:	8000mm
Loading capacity:	2000kg

FX 40   "Side loader with great accessibility"

Dimensions H*L*W:	3300x2500x2070mm
Drive capacity:	2 x 3 kW
Battery capacity:	48V/468Ah
Lifting height:	7000mm
Loading capacity:	1500kg

CX Carriers and Conversions

CX 01 — "Mini carrier"

Dimensions H*L*W:	400x1270x470mm
Drive capacity:	0.5 kW
Battery capacity:	24V/80Ah
Lifting height:	400mm
Loading capacity:	250kg

CX 10 — "Twin tote carrier"

Dimensions H*L*W:	2200x1500x780
Drive capacity:	1.2 kW
Battery capacity:	24V/115Ah
Lifting height:	800mm
Loading capacity:	2x250kg

CX 15 — "Industrial pallet carrier"

Dimensions H*L*W:	2350x1600x1380mm
Drive capacity:	1.5 kW
Battery capacity:	48V/240Ah
Lifting height:	900mm
Loading capacity:	1500kg

CX 30 — "Multi-load carrier"

Dimensions H*L*W:	2050x1650x800mm
Drive capacity:	2 x 1.5 kW
Battery capacity:	48V/320Ah
Lifting height:	900mm
Loading capacity:	2x1500kg

CX 100 — "Maxi carrier"

Dimensions H*L*W:	2350x4966x3230mm
Drive capacity:	2 x 1.5 kW
Battery capacity:	48V/420Ah
Lifting height:	1500mm
Loading capacity:	10,000kg

CONVERSION REACH AGV

Models	Lifting height	Loading capacity
UHD200	11,500mm	2000kg
URS150	10,350mm	1500kg
PSP160	5450mm	1600kg
PMR200	205mm	2000kg

CONVERSION VNA AGV

Dimensions H*L*W:	4500x3705x1500mm
Drive capacity:	7 kW
Battery capacity:	80V/700Ah
Lifting height:	15,000mm
Loading capacity:	1500kg

Exclusive Australasian partnership with MAXAGV

Based in Gothenburg Sweden, MAXAGV is a global company that has been supplying automatic driverless systems for materials transport, worldwide since 1987.

The company provides solutions for most types of common AGV front ends e.g. forklift, roller conveyor, chain conveyor, fork spread, side shift, table lift and support legs etc.

MAXAGV mechanical, electrical and software components are modular and built from well-tested and standardised parts, ensuring quality and robustness. CE compliance certification is issued for each AGV.
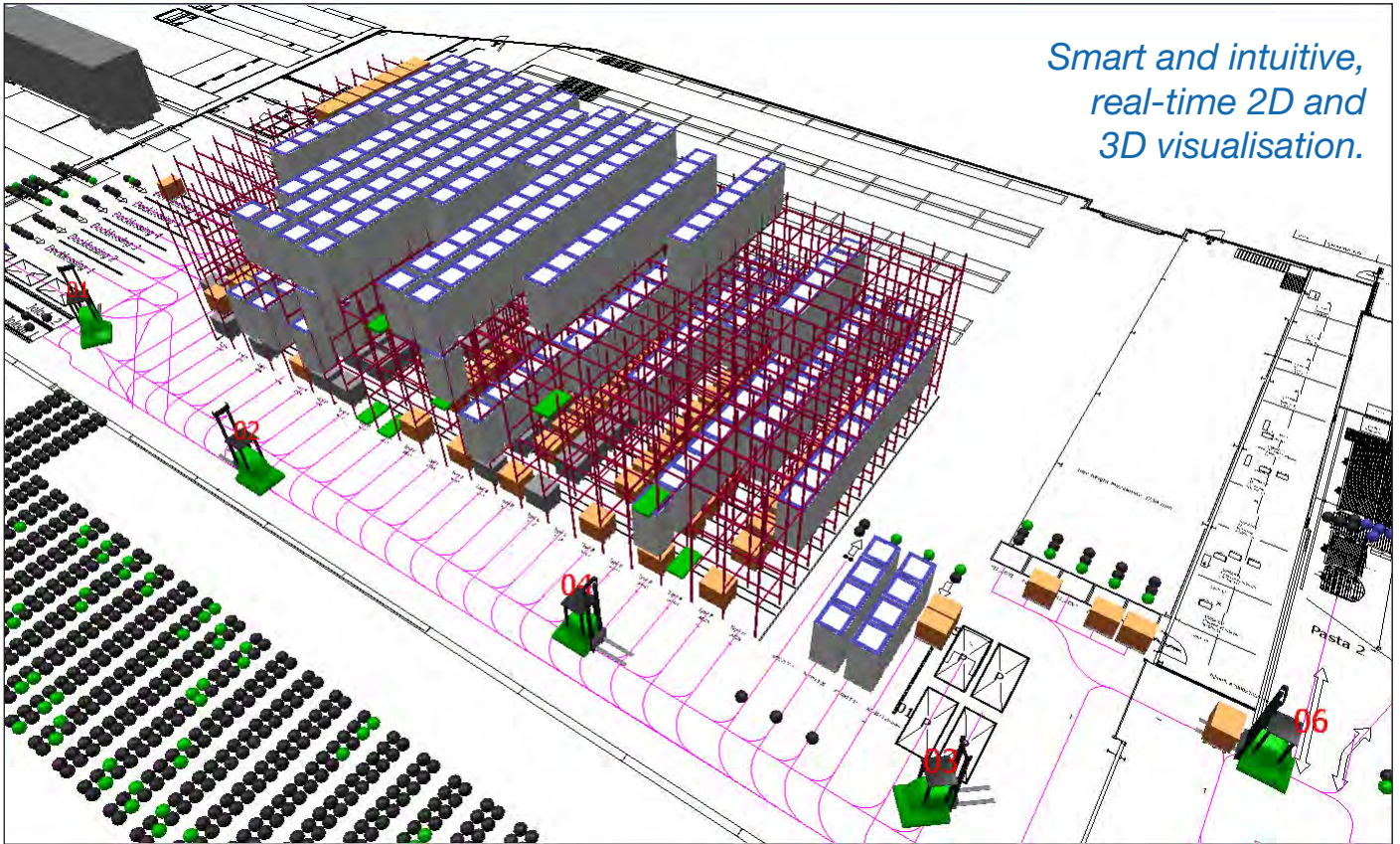
MAXAGV vehicles are equipped with **safety** features, such as speed dependent laser, bumpers front and rear, side protection, load sensors, obstruction sensors, manual override, lights, buzzers and sound. It makes the AGVs safe, reliable and effective, working closely together with people and infrastructure.

The Windows based MAXAGV Control System is a clear leader in the field of optimised logistics.

Our exclusive partnership with MAXAGV means that you can take advantage of the benefit of technological leadership, single-source equipment supply and integration, and consistency in high level aftermarket support.

7 Steps to Automation

1. RA Consultation
2. Systems Design
3. System Simulation & Approval
4. Manufacturing & Installation
5. Commissioning
6. Service & Support
7. Continuous Improvement

Smart and intuitive, real-time 2D and 3D visualisation.

MAXAGV Advanced Control System

The MAXAGV Control System is Windows based and a clear leader in its field. The system optimises logistics, handling everything from transport and warehousing, load tracking, buffering and order swapping to optimal dynamic route selection, location selection, charge control, priorities and dead lock prevention – all shown in real time 3D visualisation.

The control system runs on a Microsoft Windows environment, and features a user friendly interface that is easy to learn, configure and use, allowing customers to make changes 'on the fly' in real time application.

The MAXAGV Control System is operational via PC, tablet and smart phone.

Specifications

MAX CONFIGURATION
Standard External Interface
Graphical Configuration Editor
Layout Changes in MAX
Offline Test and Simulation
Fully Configurable

MAX CLIENT
Graphic Auto-Updating Screens
3D Visualisation
Remote AGV Diagnostics

OPERATING ENVIRONMENT
Windows 11
Windows 2019 / 2022 Server
C# on Microsoft .NET Platform
SQL server / Oracle Database
Unlimited Server Licences
Fully Integrated Windows Security

A smart and user-friendly package with easy to use visual data.

MAX AGV AUTOMATED TRANSPORTS
Max Client

MAX AGV
Max Client

RA
Robotic Automation

From concept to complete turn-key delivery, and on-going tech support.

AGVs in your industry.

FOOD AND BEVERAGE

EMBEDDED AGVs AND ROBOTICS

WAREHOUSE

LOGISTICS

HEALTHCARE

MATERIAL HANDLING

CHEMICAL

RA
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Thousands of businesses continue to use RA Group for our valuable industry experience.