RMGROUP

BESPOKE AUTOMATION

CELEBRATING 25 YEARS IN BUSINESS

AUTOMATION SOLUTIONS

RMGroup specialise in the design, supply and manufacture of bespoke industrial robotic solutions.

At RMGroup, we are motivated to continually develop our system offerings with the latest industrial technology to optimise productivity and efficiency.

Industrial robots are a key driver as manufacturers look to remain competitive in their industry. Globally, the market is witnessing an increasing use of automation solutions in all industries. The advantages bestowed by the technology include higher efficiency in product production and processing and delivery of consistent quality.

RMGroup specialise in the design, manufacture and supply of bespoke industrial robotic solutions. Our company is driven to continually develop system offerings, integrated with the latest innovative technology in order to remain specialists in our industry

Together with our robotic partners, we have a shared commitment in providing fully compliant robotic handling systems that are consistent, robust and that ultimately provide a value investment.

Authorized value provider
ABB

As an ABB AVP (Authorised Value Provider) RMGroup have been recognised for their In-depth knowledge, Industry experience and commitment to standards

For more information on all of our robots and our latest products please visit our website:

www.rmgroupuk.com

or alternatively email

sales@rmgroupuk.com

Bespoke Palletising & Automation Systems

RMGroup understands that an 'off the shelf solution' can't always be applied. In order to cater for bespoke applications, a division in the company has been formed specifically to assist with bespoke projects. The focus is to support the customer with their challenging production requirements.

4-Axis Robots

With models capable of over 2,000 cycles per hour, the 4-axis robot is perfect for high-speed end-of-line palletising and handling applications. A popular choice in our range of 4 axis robots is the ABB IRB 460. Able to operate within a confined space, it occupies 20% less floor space than other 4 axis Robots in the range and can operate up to 15% faster than its nearest rivals.
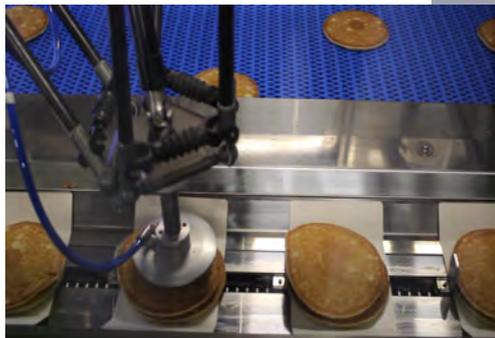

6-Axis Robots

Where complex product manipulation is required, a 6-axis robot adds a further dimension to an automation solution. With a high degree of agility in a compact, robust package, a 6 axis machine provides the ideal platform for process automation.

Flexpicker High Speed Pick & Place

Robotic FlexPickers have been the leader in state-of-the-art high speed picking and packing technology. Compared to conventional robot automation, the pick and place systems offers much greater flexibility in a compact footprint while maintaining accuracy and achieving high payloads. Features include outstanding motion control, short cycle times and precision. Flexpicker cells can operate in either narrow or wide windows with very tight tolerances.
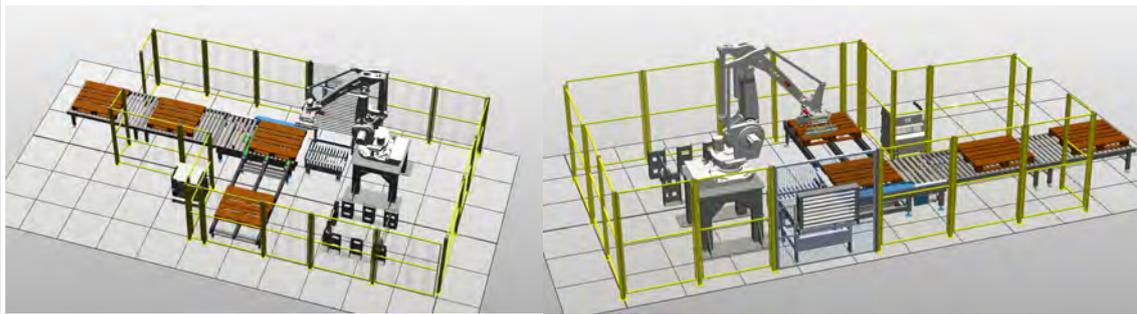
Robot Studio

Our control systems engineers use ABB's latest robotic simulation software and offline programming to configure cell layout and create new programmes.

The software enables our engineers to make changes to existing programmes offline which minimises production downtime.

Robot studio is built on the ABB virtual controller and an exact copy of the real software that runs your robot in production. This allows realistic simulation to be performed.

3D Modelling

RMGroup's design team specialise in the development of innovative products and technology through a blend of de creativity and engineering excellence. We have a highly experienced team who understand the market and customers' needs.

The drawing team design all products through the comprehensive Solidworks 3D modelling software, which allows us to develop solutions and use impressive simulation to ensure our products meet the required user specifications.

Assembly & Testing

All systems are fully assembled and rigorously tested at our 20,000 sq ft facility. Site installation timescales are minimised following final factory acceptance testing. Engineers explore any potential faults to ensure smooth line integration remains seamless.

It is RMGroups policy to pre-build and fully test all systems as far as practically possible to reflect the production scenario.

All systems are fully assembled and rigorously tested at our 20,000 ft facility. Site installation time is minimised following fully factory acceptance testing. Engineers explore any potential flaws to ensure minimal disruption and production downtime on site.

RMGroup Products & Services

- **Full turnkey assembly projects**

- **Pre Delivery Inspection**

- **Reduced installation time**

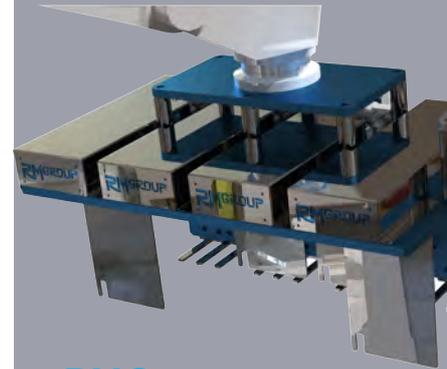- **Pre-delivery training programmes**

- **Periodic inspections**

Safety and Compliance

At RMGroup we pride ourselves in ensuring each piece of machinery that leaves our factory has been fully tested and complies to all relevant standards and directives. Our experienced team have dealt with supply not only to the UK and European market, but much further afield including America, Canada, India and Australia to name a few.
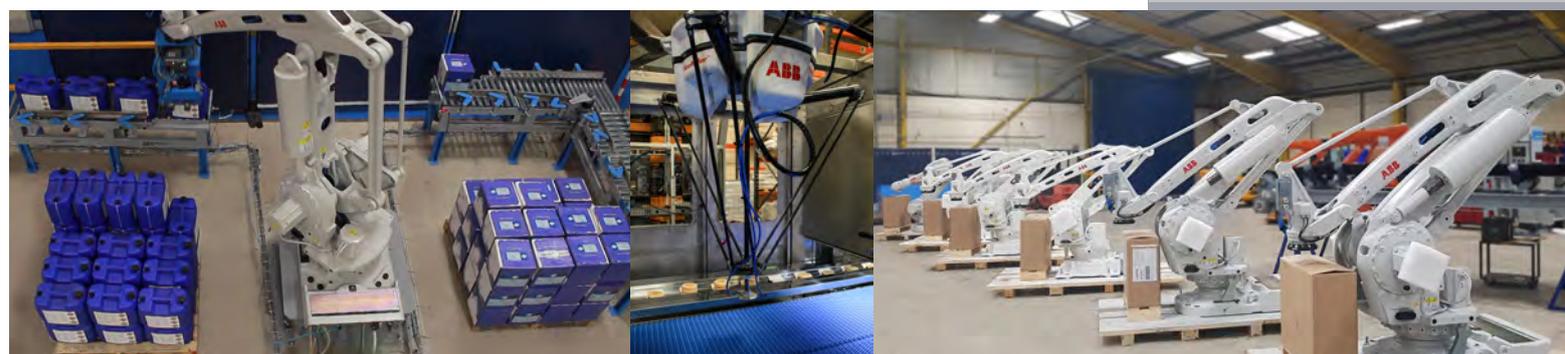
The process of safety first, starts with our design team, a design philosophy founded on ease of operation, without the loss of focus on the operator's health and safety ensures there is no trade of when choosing RMGroup as your partner.

RMGroup use various parts and processes incorporated as standard into our lines. Siemens Safety relays and failsafe Safety S7 PLC units used to provide piece of mind. Safety light curtains from Leuze, offering the perfect solution for any and all applications.
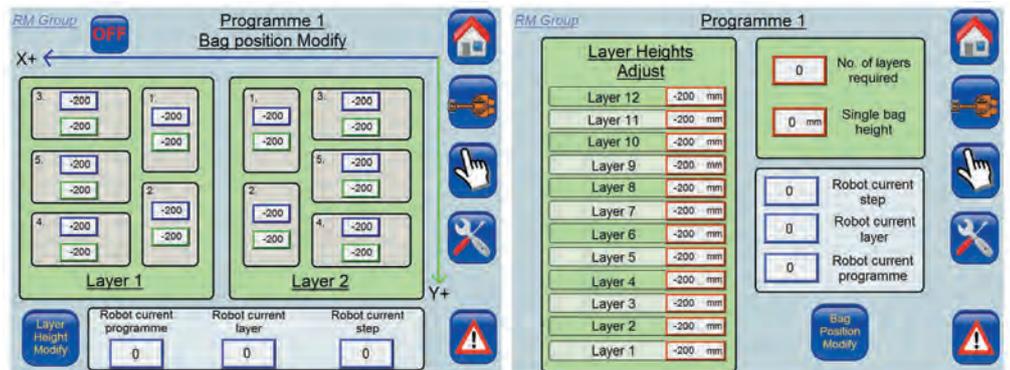
Easy Teach

Developed in response to the need for a simple "operator" friendly interface platform, RMGroup software engineers extract the commonly required process controls from the complex robot programming pendant and make them available on a simple to use and understand touch screen display.

Easy Teach accessible functions can be tailored to suit individual automation systems. Below are sample screen shots from a simple palletising system.

- No interractions via main robot controller required by operator as all modifying positions and general running of the system can be accessed via the operator HMI.

- Position values can be altered whilst the robot is running and the new position is updated and saved immediately and automatically.

Remote access via EWON

At RMGroup we realise the importance of connectivity.

Hardware fitted inside control panels have allowed our engineers to carry out preventative remote access maintenance, fault finding and programme changes remotely This has saved uncountable hours of downtime for our customers by eliminating engineer call-out charges.

We are able to supply connection to the internet in any environment no matter how remote due to the flexibility of the routers we use which provide secure connections via Hard Wired installations, WI-FI or 3G. .

The aforementioned remote access service is available as part of an annual support plan. Dedicated RMGroup engineers are available in order to support customers through any problems by fault finding or to assist with required changes to programmes. Please contact our Service Manager in order to enquire further about our remote access maintenance services.

Aftersales Service & Support

RMGroup aim to offer the highest standard of service & support to ensure the efficiency and reliability of our equipment. RM Groups dedicated service team has engineers based across the UK to ensure the best possible support can be given in the quickest possible time. On top of this, all our systems can be installed with remote access technology, allowing any issues to be diagnosed remotely within minutes and in most cases solved. This also allows us to make recommendations and assist customers in the early days of operating the RMGroup equipment, which ensures a smooth handover. Critical parts are also stocked in the UK to ensure next day availability, with some parts available same day.

Warranty

All new equipment supplied by RMGroup is covered by 12 months warranty. Used equipment is supported by 6 months warranty. This covers any repair or replacement of defective parts from the date of installation. Increased warranty periods can also be offered.

Response Package

RMGroup can offer guaranteed breakdown response as part of our Service & Support packages. This ensures you will have an engineer on site within an allotted time, making certain expensive downtime is kept to a minimum. Out of hours remote support is also available up to 24 hours a day, meaning an engineer will be on hand to offer support over the telephone, or via our remote connection tool, which offers complete access to all systems.

Spares Packages

RMGroup endeavour to hold all consumable spares for your systems in stock. Spares can be sent on an overnight delivery and can arrive with customers before 9am the following day.

For every new system installed, a recommended spares list is provided, ensuring you have everything you need for day to day running of the equipment.

Planned Preventive **Maintenance**

Scheduled maintenance carried out by our dedicated service team is essential in maximizing machinery performance equipment failure and expensive production downtime.

- Scheduled Preventative Maintenance

- Maintenance reporting

- Out of hours technical support

- Recommendations for optimising performance, longevity and safety

- Advice on programming, fault-finding and other related work

- Service & Support plans can be tailored to suit the customers requirements, including guaranteed breakdown response, out of hours support and visits per year

As standard, all systems are installed by our engineers who stay on site until operators are comfortable to manage systems alone. Any additional training can be provided at a later date

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