



Technology by

KONECRANES
Lifting Businesses™

AGILON®

A forward thinking
material handling solution



forwardindustrial.com

AGILON®

The right parts in the right place, at the right time



Handling items from matchbox-size up to 25kg!



Official agent for Agilon®

Forward Industrial have been given exclusivity within the Fasteners industry by Konecranes to use Agilon®, a modular material inventory and management system that can be used across a variety of different industry sectors and in businesses.

The multi-award-winning and patented Agilon® solution consists of a net portal, a shelving system, user access points and a robot that travels within the shelving unit. It picks the parts requested by the operator, either via the user interface or by data import, and brings them straight to the access point so no human picking whatsoever. This reduces any picking errors or mishandling of expensive parts.

The Agilon® can handle material of all shapes and sizes - from matchbox-sized items to small crates weighing up to 25kg. Agilon® is also able to handle items in their original packaging so there is no need for items to be transferred into bins; and the system then conveniently delivers the goods to the user access point for immediate use.

The Agilon® solution has great flexibility being able to adapt the size and layout of the system according to each customers' individual needs; floor space, component size and quantity are all taken into account.

The system operates up to a maximum height of 6.1 metres and unlimited maximum length. A transportation tube that connects all of the modules can be applied which allows a network of multiple units in different areas, and even on separate floors, to work in unison.

Agilon® can be used for storing and managing thousands of different components, providing real-time information on component stocks through a secure internet connection. A secure user interface shows the availability of all parts and even displays an image of the specific parts package before retrieving the item.

Real time inventory information, order history and information related to usage and consumption can be monitored via a secure online Agilon® portal. The Agilon® system provides access to all of this information via a dedicated online customer portal, which can be accessed from any computer or smart device 24/7.

Agilon® solution has great flexibility being able to adapt the size and layout of the system according to each customers' individual needs

Agilon® increases in productivity

Productivity and efficiency are key to the operations of any modern production plant. Time is money and it can be spent in more effective ways than searching for and transporting parts, part assemblies or tools. An optimal production line occupies little space and internal logistics function smoothly.

THE RIGHT PARTS IN THE RIGHT PLACE AT THE RIGHT TIME

Now you can concentrate on what you do best. Instead of using people and forklift trucks, parts, part assemblies and finished products move through the factory automatically via a transportation tube, and finally, to dispatch.

Agilon® handles picking, registers every transaction and ensures that your production warehouse contains enough material for all work phases. When the system moves parts and tools, you save time and your production process becomes more efficient. The data generated by Agilon® allows you to develop better quality and more diverse procurement and operations than ever before.

Agilon® brings added value to material management:

- Warehousing of production parts
- Production assembly
- Parts Warehouse
- Maintenance, repair and operations warehouse (M.R.O.)
- Internal logistics
- 24/7 trade

“The time to completion from assembly, to the order being dispatched to the end customer will become shorter.”



An up-to-date maintenance warehouse with 24/7 service

A maintenance warehouse serves a large maintenance team with specialist tools, spare parts and materials. These may even be needed at night or on weekends. With round-the-clock shift-work, an urgent need can arise at any time. In such situations, the challenge is to ensure that your warehouse stays in order, items are available and information is up-to-date.

IMPROVE YOUR OPERATIONAL EFFICIENCY AND SERVICE

The Agilon® system makes it easy to find anything stored in your warehouse, even for occasional users. A photograph of every item makes it much faster to find the right one. Monitoring becomes simple – Agilon® shows you who took what, when, how much, for which job and from which batch. With warehouse stocks always up-to-date, continuous inventory makes your operations more efficient, and laborious seasonal inventories are

eliminated. You can find out what items are used for and whether loaned items have been returned. You can also track individual parts. All of this information is available 24/7.

AGILON® IS DESIGNED TO INCREASE THE PRODUCTIVITY OF ASSEMBLY LINES



Incoming items are received directly by Agilon® and data transferred to the enterprise resource planning system.



Agilon® displays your work queue and brings the required parts and tools to users quickly.



Finished products transfer inside Agilon® directly to dispatch. Time to completion – from assembly to order delivery – will become shorter.

Agilon® makes inventory simple – you will save time and money



Users collect items from the Agilon® access point. They can simultaneously check the number of remaining items and confirm they did a check.



The system stores the transaction and allows full monitoring of inventory levels.



If necessary, retrieve packages from Agilon® to check the item balance.

Monitor availability and consumption

When managing a warehouse, it is essential that the supplies stored there are available and that the procurement process is efficient. In addition, full real-time supply monitoring reduces consumption and saves money.

The Agilon® material management system is so smart, it ensures that your supply warehouse always contains what is required and that stocks do not run out. Agilon® makes the procurement process more efficient by placing additional orders automatically and offering better usage data to support procurement.

The system allows consumption to be monitored by job number and department, and even by user. Agilon® lays the foundation for cost-efficient management of the delivery chain.

AGILON® MANAGES PARTS AND THEIR RECORDS



Agilon® monitors the volume of components in your warehouse and reacts when the number reaches pre-defined thresholds.



The Agilon® system automatically sends email reminders to the purchaser or additional orders directly to suppliers.



When parts arrive, Agilon® updates the number of those parts and acknowledges receipt of the order.

KEEP WAREHOUSE BALANCES UP TO DATE IN REAL TIME

Transmit balance alerts to the purchaser in real time. Orders can also be transmitted automatically to the suppliers.

Easy integration with existing systems (for example, ERP).

ADJUSTABLE SHELF CONSTRUCTION

Height of the shelves 10 - 45cm

AGILON® ROBOT

One or more robots travelling within the shelving.

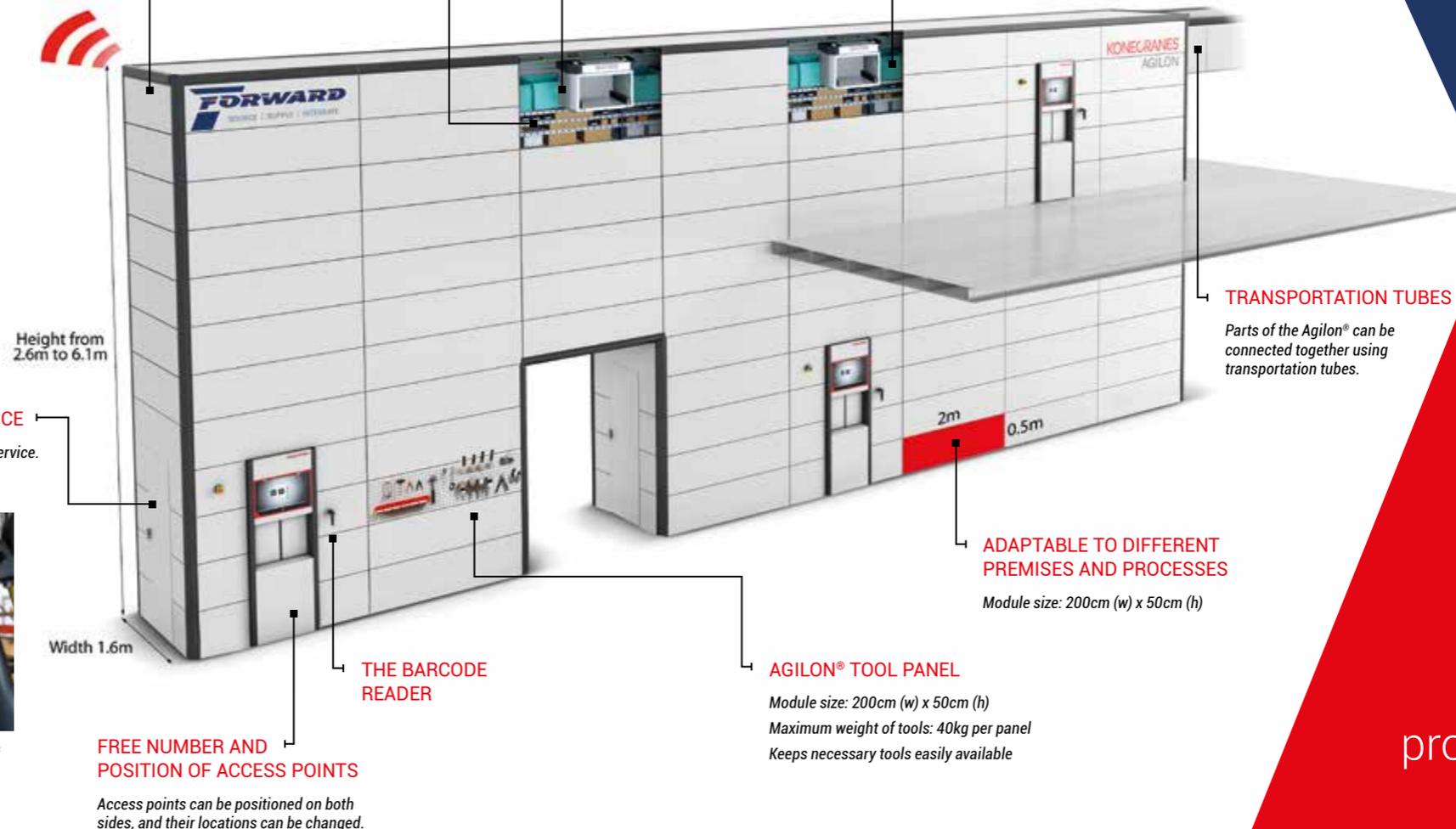
Takes care of picking and delivering components to the user.

STORE COMPONENTS IN THEIR ORIGINAL PACKAGING

Package sizes (LxWxH)

Minimum: 3cm x 3cm x 3cm and weight > 50g

Maximum: 60cm x 40cm x 45cm and weight 25kg



TRANSPORTATION TUBES

Parts of the Agilon® can be connected together using transportation tubes.

EASY MAINTENANCE

Designed for effortless service.

THE BARCODE READER

FREE NUMBER AND POSITION OF ACCESS POINTS

Access points can be positioned on both sides, and their locations can be changed.

AGILON® TOOL PANEL

Module size: 200cm (w) x 50cm (h)

Maximum weight of tools: 40kg per panel

Keeps necessary tools easily available

ADAPTABLE TO DIFFERENT PREMISES AND PROCESSES

Module size: 200cm (w) x 50cm (h)

Free up time from material management for more productive tasks

Adaptable adjustable Agilon® solution

Every Agilon® solution is designed to suit the specific needs and objectives of each customer. Thanks to its modular structure, the physical Agilon® system can be adapted and expanded at any time after installation. The size and number of access points can change as your material management needs change. Agilon® does not require significant initial capital or large-scale investment to set up – just a monthly fee brings it to your warehouse.

A FULL-SERVICE MATERIAL MANAGEMENT SOLUTION AT YOUR SERVICE QUICKLY

It's easy to get started, as the system requires only a suitable premises, an internet connection and an earthed electrical socket. Konecranes handles the rest. You get the Agilon® solution that suits your facility, a number of items and use case. Benefit from design services, installation support services

and the option to connect Agilon® to other enterprise resource planning solutions. Software updates and module maintenance ensure that your Agilon® system remains up to date. Konecranes always uses customers' ideas in product development.

AGILON® CHANGES AS YOUR NEEDS CHANGE



We can help you to design production and warehouse layouts using a wide range of options possible with Agilon®.



The Agilon® system can be expanded when your operations change.



Remote monitoring ensures that your service functions correctly.

THE AGILON® SERVICE CHARGE INCLUDES THE FOLLOWING:

- Agilon® system and software
- User training
- Maintenance
- Repairs
- Remote monitoring and support

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Agilon® brings the industrial internet to materials management

Agilon® Mobile speeds up your daily materials management and connects you to information about the contents of your warehouse, wherever you may be. It can also be used as a stand-alone solution for managing warehouse transactions and materials.

Agilon® compiles, processes and updates the data on all warehouse transactions automatically so your time will not be wasted making manual entries or completing paperwork. Your operational monitoring will be up-to-date and cost efficient – regardless of who uses the access point. Konecranes service personnel actively monitor the system and can react quickly to faults. Well-timed and planned maintenance minimises service outages.



Is the Agilon® solution for me?

TAKE THE TEST AND FIND OUT...

Agilon® is only worth it if it makes your life easier. Across the page are some questions that if answered honestly, might tell you whether you should be picking up the phone and talking to us.



Take the test and see if Agilon® could make your business more profitable.

KONECRANES®
AGILON

Do you agree with any of these statements? If so, you'll probably benefit massively from an Agilon® Solution:

- I'm looking for ways for my warehouse to be more efficient
- I want to reduce missing stock
- I waste too much time looking for warehouse items
- I can't keep track of stock on a daily basis
- I want to minimise health and safety issues with ladders, forklift trucks and racking
- I'm tired of low stock issues
- Inventory taking is wasting too much time
- I struggle to police parts being taken and not put back
- I wish I could monitor warehouse stock remotely

If you feel you could benefit from an informal chat to discuss the potential benefit of the Agilon® solution, call us on:

0121 708 3070

"Forward Industrial Products Group offer the complete service for the manufacture, import and distribution of fasteners, varied MRO solutions, integrated managed stores and fully comprehensive services to the utilities industry."

Our key services



FASTENER & TURNED PART VENDOR MANAGEMENT

From a single bag or pallet, direct line feed, inventory management or just scheduled deliveries, we can do it. In addition to our own manufacturing and Global partnerships you have a distribution network that proves to be extremely competitive and highly efficient.



MAINTENANCE, MECHANICAL & ELECTRICAL, REPAIR & OVERHAUL

Forward encompasses all aspects of planned maintenance from production line surveys for identification of critical spares to the synchronisation of major refits, all within your shutdown or out of hours working.



FASTENER MANUFACTURE

Forward fastener manufacturing is dedicated to the design, advice, prototyping and manufacture of all types of male threaded fasteners, from 4mm up to 400mm long, M2 to M18 in all popular metals.



UTILITY SERVICES

Forward provides a comprehensive service for the design, installation and maintenance of utilities services (gas - water - electricity) utilised across a broad spectrum of industries.



EXPERIENCED STAFF
IN SOURCING MRO PARTS



TRUSTED PARTNERSHIPS WITH
EUROPE, TAIWAN, INDIA AND CHINA



EXTENSIVE DATABASE OF
SUPPLIERS AND PARTS



WORKING WITH LEADING
MANUFACTURERS AND SUPPLIERS



STOCK ALL UNDER
ONE ROOF



SOURCE



SUPPLY



INTEGRATE