



Hänel Storage Systems

ALoi
MATERIALS HANDLING & AUTOMATION

Rationalization and cost reduction for car dealerships



Ideas that move the world...





The operating principle of Hänel storage systems

Hänel Rotomat® principle

The principle is simple. Its applications are brilliant! Each Hänel Rotomat® is designed according to the tried-and-tested Ferris wheel model (vertical carousel principle) which means: goods to user and not user to goods.

This saves time!

The compact construction enables up to 60 % more storage capacity to be created on a minimal foot-print by making use of the available room height.

This saves costs!



Hänel Lean-Lift® principle

The Hänel Lean-Lift® is both storage rationalization and goods protection in one: At the center of the 'cabinet' is a computer-controlled positioning lift – called the 'extractor'.

In front of it and behind it are the storage shelves. This is where the articles are kept in containers. The storage locations are accessed automatically under electronic control by means of the extractor, which stores or retrieves the requested container. The operator works comfortably in the ergonomically positioned retrieval area.

Quality and leading-edge technology Hänel office and storage carousels

Products such as the Rotomat®, the Lean-Lift® and the Multi-Space® are high-tech systems for automated storage solutions

For over 50 years the name Hänel has stood for high-quality products in the intralogistics and office organization sector.

Vertical carousels like the Hänel Rotomat® or vertical lift systems like the Hänel Lean-Lift® and the Hänel Multi-Space® are high-tech products in automated storage technology.

Up to 60% of the available floor space saved and drastic reductions in the time needed to access stored goods!

Alongside ergonomic design, inventory protection and many system advantages, we give top priority to the cost-efficiency of these systems.

The highest quality standards of the storage systems and the smart control technology from Hänel make these products a worthwhile investment for your company.

We are committed to environmental protection

It goes without saying that production at our three plants complies with the latest environmental guidelines and even exceeds them. Only environmentally friendly, recyclable materials are used.

But it's not only the production that lives up to Hänel's ecological principles – even the Hänel Lean-Lift® itself does so. Moreover, the Hänel EcoDrive makes a contribution toward reducing CO₂ emissions.

With the Hänel EcoMode® intelligent energy management feature, Hänel storage systems can be switched to different standby modes. This allows energy consumption to be reduced to a minimum.

Our specialists will continue to work on the Hänel EcoConcept and develop further energy-efficient solutions for Hänel storage systems

The right decision

If you want to improve your intralogistics concept and reduce costs, you should talk to the specialists at Hänel first. They will work with you to develop your own 'tailor-made intralogistics concept'.

Hänel storage systems are the ideal choice for improving the efficiency of spare parts and tool storage in car dealerships.





Enormous space and time savings, plus higher productivity

Storage floor space can be reduced by up to 75% – not to mention faster provisioning of parts and tools – and that makes Hänel lift systems a wise investment

Porsche-Zentrum Nuremberg-Fürth-Erlangen, Germany

Efficient spare parts storage in the service department at the Porsche Center Nuremberg-Fürth-Erlangen.

The situation

Direct reception of cars, computer diagnostics and automation have increased the productivity of automotive service centers over the years.

However, keeping an ample supply of spare parts on hand still requires considerable space.

Optimized use of space

The Hänel Lean-Lift® neatly stores large numbers of parts within a small footprint thanks to its vertical design concept.

Valuable time is saved

When a vehicle is scheduled for service, the shop manager can check the inventory to see if all the items required for service or repairs are in stock. These items can be picked and sorted in advance to save time otherwise spent waiting for parts delivery.

Even large components like engine blocks, transmissions or catalytic converters can be stored in the Lean-Lift®. There is no need to transport such components from so-called 'external warehouses' that are not nearby. This considerably increases the throughput of vehicles serviced each day.

This is where Hänel systems offer decisive advantages!



Optimized parts management: flexible, fast, lower in cost



The option of connecting storage systems to a dealership's own IT environment considerably speeds up processes for vehicle service!



Wensink Mercedes-Benz in Apeldorn, NL

Parts are delivered quickly and ergonomically to the customer service counter at the dealership – with little or no waiting.

Workplace quality

Employees do not have to bend over or climb ladders when using Hänel storage systems. The items are delivered to the retrieval area at the correct ergonomic height.

Lighter, easier and effective retrieval increases the efficiency of your spare parts storage department.

Efficient and precise inventory control

Continuous inventory control means that shortages in the supply of parts and materials can be avoided.

The modern Hänel microprocessor controllers can communicate with the dealer's own IT systems or be used as stand-alone storage management systems.

Hänel storage systems support constant inventory monitoring and precise control of stock on hand.

A well-organized parts department enhances the professional image of a car dealership!





Efficient lift system for storing special tools

Connecting Hänel storage systems to the dealer's existing IT and management systems has a number of advantages

Michael Rudolph Volkswagen in Ölsnitz/ Erzgebirge, Germany

Storage of special tools for vehicle repair.

Tools that had to be stored on perforated metal plates, shelves or even on the floor due to space limitations are now neatly kept and protected in one Hänel Lean-Lift®.

The Lean-Lift® is about 236.22" in height and located centrally at the dealership so that employees from all departments, including the service center, parts department, service reception area and even the showroom, have quick and direct access to required parts and tools.

The advanced Hänel controller can be connected with almost every tool

management software available (for example, SEPP24 from VW). This supports convenient storage of special tools according to the BER (Block Exemption Regulation) list that applies within the European Union.

This Hänel solution has considerably improved processes at the Michael Rudolph VW dealership.

By simply entering the part number specified in the vehicle repair manual, the Hänel system quickly brings the part or tool to the retrieval area, and later the Hänel Lean-Lift® returns the item to its assigned storage location in the system.

Our specialists would be happy to show you a solution tailored to satisfy your intralogistics needs!



Central parts storage for service and repair shop



#1 Cochran Automotive, Monroeville, Pennsylvania

Cochran Automotive

Cochran Automotive was founded in 1965 with one dealership and has since become one of the leading automobile retailers in Western Pennsylvania.

Cochran Automotive is among the foremost dealerships in the United States and maintains three branch locations, 10 showrooms and 13 franchises.

Integrated spare parts storage

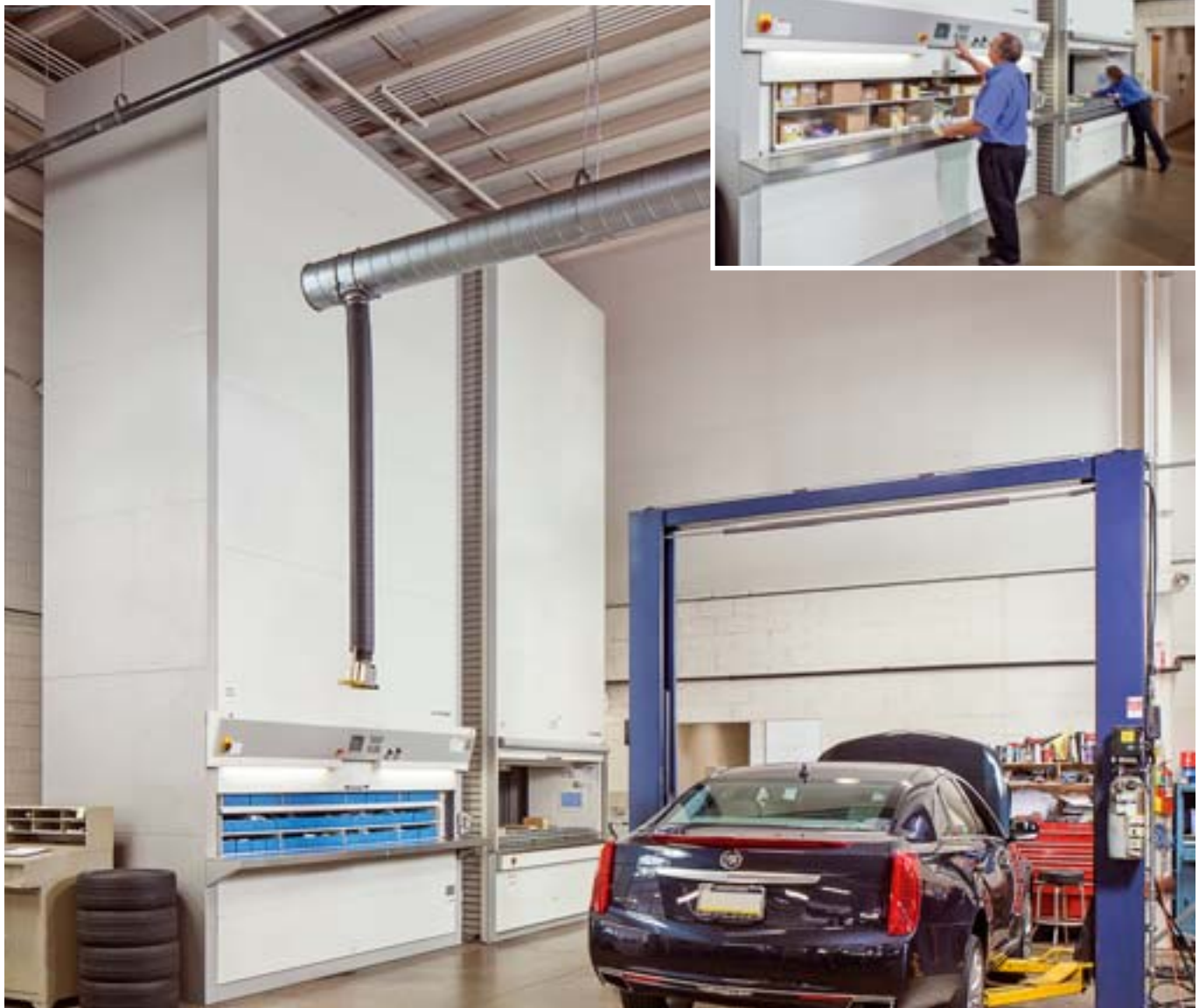
In order to expand the service area without having to construct an additional building, this Buick/GMC dealership in Monroeville installed a Hänel Lean-Lift® and a Hänel Rotomat® centrally in the repair shop area. These storage systems protect all parts from dust, dirt and unauthorized access

Maximum storage volume within a small footprint

Thanks to the enormous amount of space saved, all of the parts formerly kept in a large shelf depot are now stored in just two Hänel systems. Everything is available from a central retrieval area in the vehicle service area.

Easy integration in the existing IT system

Both lift systems were connected with the dealer's existing data management system. This ensures constant inventory monitoring and control while also increasing overall productivity.





Increased efficiency with the Hänel Lean-Lift®

#1 Cochran Automotive, Robinson Township, Pennsylvania

In 2011 and 2012, Cochran completely renovated its Buick/GMC dealership in Robinson Township, Pennsylvania. The goal was to improve efficiency and the appearance of the dealership to make the customer experience more appealing.

The new showroom created more space for the parts department and additional repair shop bays so that the range of services could be expanded.

For better utilization of space in the building, Cochran decided to install a Hänel Lean-Lift®. The Lean-Lift® was integrated in the existing structure so that no building modifications were necessary.

The result speaks for itself!

The parts and service area is now a bright, neat and convenient workplace. Customers are served quickly and efficiently at separate sales counters. Another counter provides the parts needed in the service center.

Most of the parts in stock are available at the push of a button. Climbing steps and lengthy searches to retrieve parts are things of the past.

More and more car dealerships in the United States are profiting from Hänel solutions!



Storage and management of tools for vehicle service and repair



**Auto Jung, Sinsheim,
Germany**

Tool storage in the Lean-Lift®

Expert service and fast throughput times for repairs and vehicle maintenance are factors that distinguish successful car dealerships and service centers.

For better efficiency and cost-effectiveness, Auto Jung in Sinsheim stores all of its standard and special tools in a Hänel Lean-Lift®.

Central tool depot

In the past tools and repair kits were kept on shelves and in drawer modules. These units were located at various points throughout the repair shop. Now all tools are stored in a centrally located Hänel Lean-Lift®. There is no need to search for specific tools in different places.

And that saves time for service personnel. Up to 1,400 different tools are neatly stored in one system with a minimum footprint. Compared to the previous situation, the Hänel solution saves a considerable amount of space at the dealership.

Management according to the BER list

By coupling the Hänel system controller with the tool management software SEPP24, special tools can be managed quite easily in accordance with BER (Block Exemption Regulation) list.

Based on standardized maintenance and repair procedures, the list specifies the tools to be used for each procedure. Once the tool number is entered on the Hänel control panel, the storage system

automatically retrieves the tool for the car mechanic.

The tool management software also indicates whether a particular tool is being used by another service colleague. A complete tool inventory is available at any time.

The Hänel Lean-Lift® is the perfect solution for organized storage of vehicle components and tools, not to mention professional process optimization in dealerships and service centers!



Our strength lies in our know-how

Hänel Control and Software Technology

Hänel's microprocessor control units and inventory management software enable efficient, rationalized workflow

Hänel sets the standard for control systems

Object-related, practice-oriented microprocessor control units can offer you a complete storage management system. The modern design and intuitive handling are exemplary. A complete range of storage management features is already integrated in the controllers.

Efficient and transparent storage is possible without an additional PC. And of course the Hänel storage units can be integrated into the customer's IT system.



HHänel microprocessor controller MP 12 N with touchscreen technology – 4 storage strategies in one control system

Connection to enterprise resource planning systems is no problem. Hänel also offers software solutions for individual requirements.

You can find detailed information about Hänel microprocessor control systems in our brochure 'The Intelligent Hänel Control and Software Technology'.

Hänel software systems rationalize storage operations and provide optimal transparency in the storeroom!

Hänel's inventory management programs are intelligent software systems for computerized handling of warehouse processes on Hänel storage systems.

These programs manage storage locations, articles, tools, inventory stock, orders, plus pick and put jobs.

Talk to our specialists – we would be happy to advise you!



Hänel offers software solutions for individual requirements

For every application there are powerful software packages that can be tailored to each customer's needs thanks to useful configuration options and a range of standard modules:

Storage management

Control software

for Hänel storage systems networked with HOST-supported ERP systems.

Tool management

Storage management

with Hänel storage systems – from incoming goods to dispatch.

The Hänel product portfolio – the right solution for every need!



Hänel Rotomat® office carousel

The Hänel Rotomat® is the optimal filing system for office and administration.

Folders, index cards or files – the Hänel Rotomat® keeps them all in order. It finds the right file from among thousands of hanging folders and retrieves it in seconds. The powerful Hänel micro-processor control systems enable the Rotomat® to be networked directly with a PC. All Rotomat® office carousels are also available in a version suitable for disabled operators.



Hänel Rotomat® storage carousel

Each Hänel Rotomat® is designed according to the tried-and-tested Ferris wheel model (vertical carousel principle) which means: goods to man and not man to goods.

The compact construction enables up to 60 % more storage capacity to be created on a minimal footprint by making use of the available room height. No two Hänel Rotomats® are the same, because each task demands a precisely defined solution.



Hänel Lockomat®

The Hänel Lockomat® is the ideal storage system for safe and secure provisioning of small parts, tools, electronic components, medicines, etc.

User authentication is provided by ID card, PIN code or optionally by transponder. The Hänel Lockomat® can be used in a wide range of sectors – the chemical industry, banking, pharmacies, etc. – wherever items that look the same on the outside but are entirely different on the inside need to be stored and retrieved quickly and without error.



Hänel Lean-Lift®

The Hänel Lean-Lift® is both storage rationalization and goods protection in one. At the center of the 'cabinet' is a computer-controlled positioning lift – called the 'extractor'. In front of it and behind it are the storage shelves. This is where the articles are kept in containers.

The storage locations are accessed automatically under electronic control by means of the extractor, which stores or retrieves the requested container. The goods are then delivered to the retrieval area at the correct ergonomic height.



Hänel Multi-Space®

Hänel has optimized the principle of 3-axis storage systems with the Hänel Multi-Space®. In addition to the many advantages of the Hänel Lean-Lift® technology, the Hänel Multi-Space® offers maximum flexibility, speed and use of space.

With its advanced technology, Hänel is able to offer a 3-axis storage system over 9 m/30 ft wide. The Hänel Multi-Space® can even be varied in width and height once installed – an innovation from Hänel!

Even the number of retrieval points is variable and can be changed at any time.



The Intelligent Hänel Control and Software Technology

Our strength lies in our know-how. Because only object-related, practice-oriented microprocessor control units can offer you a complete storage management system. Hänel storage systems can also be controlled via computer interface, of course. Interface with enterprise resource planning systems is no problem.

Hänel also offers software solutions for individual requirements. HänelSoft® for example is a powerful software package that can be tailored to any customer's individual needs.

Hänel**Storage Systems**

121 Industry Drive
Pittsburgh, PA 15275
Tel. +1 (412) 787-3444
Fax +1 (412) 787-3744
E-Mail: info@hanel.us
www.hanel.us

Hänel**Büro- und Lagersysteme**

P.O. Box 11 61
D-74173 Bad Friedrichshall
Tel. +49 (0) 71 36 / 2 77-0
Fax +49 (0) 71 36 / 27 72 01
E-Mail: info@haenel.de
www.hanelworldwide.com

Hänel**Büro- und Lagersysteme**

Bafflesstrasse 21
CH-9450 Altstätten SG
Tel. +41 (0) 71 757 30 80
Fax +41 (0) 71 757 30 85
E-Mail: info@haenel.ch
www.haenel.ch

Hanel Systèmes

Europarc - 139, Chemin des Bassins
F-94035 Créteil Cedex
Tél. +33 (0) 1 45 13 96 10
Fax +33 (0) 1 45 13 96 13
E-Mail: hanel@hanel.fr
www.hanel.fr

Hänel**Kantoor- en Magazijnsystemen**

Nieuwland Parc 13a
NL-2952 DA Alblasserdam
Tel. +31 (0) 78 / 890 76 50
Fax +31 (0) 78 / 890 76 59
E-Mail: info@haenel.nl
www.haenel.nl

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Innovative ideas. Sound technology. Flexible systems