



**PHARMATHEK**

AUTOMATION TECHNOLOGIES

THE **EVOLUTION**  
OF THE  
PHARMACIST







ABOUT US

**PHARMATHEK**  
AUTOMATION TECHNOLOGIES



FROM THE NEW MILLENNIUM,  
INTO YOUR **FUTURE**.

The new millennium saw our birth, and the future will witness your growth, with us. Since 2007, our vision has been of a world of new opportunities for every pharmacist, a world where technology enhances professionalism, innovation improves relationships with customers, and where tasks are simplified through intelligent automation. This is our vision of the future. Today, we can make this a day-to-day reality for all the pharmacists who choose our services.





WHAT WE DO

OUR **AUTOMATION** IS INTELLIGENT.  
AND IT IS THE INTELLIGENT CHOICE.

We allowed our passion to guide us. And the passion has taken shape. Mr. Alexander von Liechtenstein's vocation for mechatronics and robotics has been transformed into a successful business, dedicated to developing, manufacturing and installing automated warehouses for all pharmacies. Our robots are designed to manage expiry dates, stock inventory and turnover of medicine boxes, and to optimize work time and delivery speed. Furthermore they can be adapted to suit a wide range of architectural, technological and professional needs, and offer a rapid return on investment and the potential to increase profitability starting from the first months following installation. A range of solutions dedicated to pharmacists who want to start building for tomorrow, today.

100% **ITALIAN**  
INVENTION AND DESIGN.

We design, produce and assemble everything here at our plant in Verona, Italy. Because for us, eliminating distances in the production process means having better control over everything. And better control means a better final product. And the better the final product, the greater the customer satisfaction. And a satisfied customer means that we have kept another new promise. That is why, for us, Made in Italy is not just a choice, but a conscious, indispensable commitment.

DESIGN  
BY **ALBERTO MEDA**.

Cutting edge technology and exclusive design. Alberto Meda, one of the world's leading industrial designers, has given our robot Sintesi its unique external appearance with Italian style.



THE **OPPORTUNITY**  
TO HAVE  
MANY MORE  
OPPORTUNITIES



### How many choices do you make when you choose Pharmathek?

Today, choosing Pharmathek means so many things: the awareness of living in an era where technology increasingly plays the role of a friend and an ally, the foresight to invest in greater profitability, the convenience of delegating a large number of laborious tasks to automated systems, the peace of mind that comes with a highly reliable storage management system that largely eliminates human errors and is updated in real time. But most of all, **the time and serenity to actually be a pharmacist.**

The main benefits are as follows.

Better stock management:

- Improved space management
- Stock optimization
- Real time stock turnover, inventory and expiry date checks
- Reduced work times
- Automatic returns management
- Reduce working capital through stock reduction

More space and more time for customer management:

- Increased space available for sales and/or service areas
- Consolidated relationship with the customer
- Promotion of the pharmacy and its services
- Advice about purchased products or treatments
- Increased cross-selling activities
- Increase in pharmacy turnover

# SINTESI

LESS OBSTACLES  
IN THE PHARMACY,  
**MORE SPACE**  
FOR YOUR  
PROFESSIONALISM

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## WHAT IS IT?

The Sintesi robot represents the future of the pharmacy business. A fast, flexible automated warehouse designed to manage the flow of medicines and their respective data. The system is designed to integrate perfectly into the pharmacy. It can be customized to meet the needs and expectations of the pharmacist, and the wide range of materials and finishes available are designed to assist in promoting the pharmacy's identity.

## FEATURES AND FUNCTIONS

### ADAPTABILITY TO THE SPACE

A system designed to fit perfectly into any context, close or distant to the pharmacy counter, on the same floor, above it or in the basement.

### DIMENSIONS AND CAPACITY

Customizable according to the specific needs of each pharmacy.

### OPERATOR POSITION AND ACCESS DOOR

May be positioned on any side of the warehouse.

### DISPLAY SYSTEM

The robot can be positioned behind the counter in such a way that it forms an integral part of the furniture and an effective display element.

### AESTHETIC CUSTOMIZATION

Thanks to the variety of materials available, the skillfully designed lighting system and the wide range of colours, the robot can be customized in order to enhance the internal space of the pharmacy.

### CONFIGURABILITY

Each pharmacy has its own specific requirements and the options - single gripper, dual gripper, single Euclid3D and dual Euclid3D - are designed to satisfy every type of productivity requirement.

### MORE PRESCRIPTIONS AND SIMULTANEOUS SERVICE AT MULTIPLE SALES POSITIONS

Euclid3D, Pharmathek's exclusive, patented system, optimizes delivery time and method to the counter thanks to a unique workflow system, which is the only one of its kind on the market.

### DUAL GRIPPER

This configuration, which is recommended in the case of bigger robots, increases performance during the loading and unloading phases and allows system redundancy.

### OPTIMIZED MANAGEMENT SOFTWARE

The Pharmathek management software identifies the most suitable position for each individual pack according to specific parameters, optimizing storage and pickup operations. The chaotic storage algorithm allows maximum package density together with a speedy product retrieval.

### MANAGING REAL AND PROJECTED EXPIRY DATES

Sintesi and Pharmed are able to read and manage expiry dates, thus optimizing product rotation and overall warehouse management.



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## SINTESI

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## ADVANTAGES

### ⚡ SPEED

Less time spent on warehouse operations, more time to devote to the customer. An effective formula for greater loyalty. And greater loyalty brings more profitability.

### 🕒 CONTROL

Stocks, turnover, expiry dates: everything is monitored by a reliable and accurate system in order to ensure maximum peace of mind for the pharmacist. The technical support team is permanently on hand in order to guarantee the continuity of all processes.

### ✅ RELIABILITY

The pharmacist can fully dedicate him/herself to offering customers the best possible advice, while Sintesì takes care of everything else. Discovering the reliability of Sintesì will be as surprising as discovering this new way of working.

### ↔️ COMPACTNESS

The reduced size of the back-office leaves more space for sales and services. Compactness also contributes to improved performance and revenue.

### 🔗 INTEGRATION

Ease of use simplifies the working processes. Sintesì can be integrated seamlessly into the daily activities of the pharmacy, improving working times and methods.







# EUCLID3D

THE RESULT  
OF CUTTING EDGE  
INNOVATION

## WHAT IS IT?

Not just a latest generation device, but truly one-of-a-kind, Euclid3D is the fruit of Pharmathek's vision, experience and innovation. The gripper has a temporary storage unit enabling it to group orders and prescriptions consisting of multiple products together and deliver them to the counter in one go. Thus, Euclid3D can be used to manage multiple orders, serving more than one operator at a time, optimizing delivery times, costs, and energy consumption. A revolution in working methods. A revelation for every pharmacist.

## FEATURES AND FUNCTIONS

### "PRESCRIPTION BASED" OPERATION

The built-in storage unit in the gripper can be used to collect different products from separate orders. More than 90% of orders are delivered to the counter all at once.

### PRODUCT PICK REGARDLESS OF POSITION

Euclid3D amplifies the advantages of chaotic storage management, since it is no longer tied to the position of the product on the shelf. This results in increased storage density and hence greater storage capacity compared to traditional systems.

## ADVANTAGES

### ⚡ DELIVERY SPEED

Thanks to its ability to group deliveries together, Euclid3D guarantees speed when needed. The system really comes into its own, and distinguishes itself from other delivery systems, when it is required to handle multiple, complex orders simultaneously.

### ★ OPTIMIZATION

The increased speed at which products are delivered to the counter is particularly helpful when the pharmacy is very busy.

### € INCREASED PROFITABILITY

Euclid3D is synonymous with speed. Speed that generates customer satisfaction and greater loyalty of the patient.

### 🕒 LESS DISTANCE, MORE PERFORMANCE

On average, Euclid3D requires five less movements than any other solutions available on the market to deliver an order, and this translates into reduced energy consumption and maintenance costs.

Euclid3D is the only solution to increase productivity even in small systems.



## PHARMALOAD

A SINGLE  
MOVEMENT  
TO FREE YOUR  
PROFESSIONALISM

### WHAT IS IT?

Sort through packages, check delivery notes, read and monitor stock rotation and expiry dates, refill the numerous drawers with the right products. Or: empty the contents of the totes into Pharmaload and let it do the rest. With Pharmaload you can all this, because the automatic loading system is capable of performing precisely, efficiently and rapidly all those operations that, up until now, have had to be done by hand. Time-saving, increased peace of mind, and a better use of resources for every pharmacist who wishes to dedicate themselves to their professional activities.

### FEATURES AND FUNCTIONS

#### FROM OPERATOR TO SUPERVISOR

Loading operations are fully automated. Pharmaload can operate in a continuous cycle, reducing human intervention to a bare minimum.

#### LIKE A PRODUCTION LINE

Each loading step is performed by a separate device, ensuring that all the operations involved in transferring the products to the robot are executed efficiently and rapidly.

#### CONNECTION TO STOCK MANAGEMENT SYSTEM

The system interfaces with the pharmacy stock management system, with which it shares all relevant information.

#### 100% EXPIRY DATE CHECKING

Four built-in high-definition cameras enable Pharmaload to identify the expiry dates printed on each package quickly and accurately. Thanks to a powerful OCR system, dates are read automatically. Thanks to the Remote Data Entry Service (optional), the system ensures automatic acquisition of 100% of the dates read.

#### DELIVERY NOTE CHECKING

Thanks to the communications between the robot and the stock management system, the delivery notes are checked automatically and accurately.

#### CLOUD INFORMATION SHARING

Pharmaload loaders share information in order to update the data relating to the product packages and optimize automatic reading accuracy and speed.

### ADVANTAGES

#### UP TO 300 PACKAGES PER HOUR

Two words sum up the Pharmaload system: speed and efficiency.

#### TIME SAVING

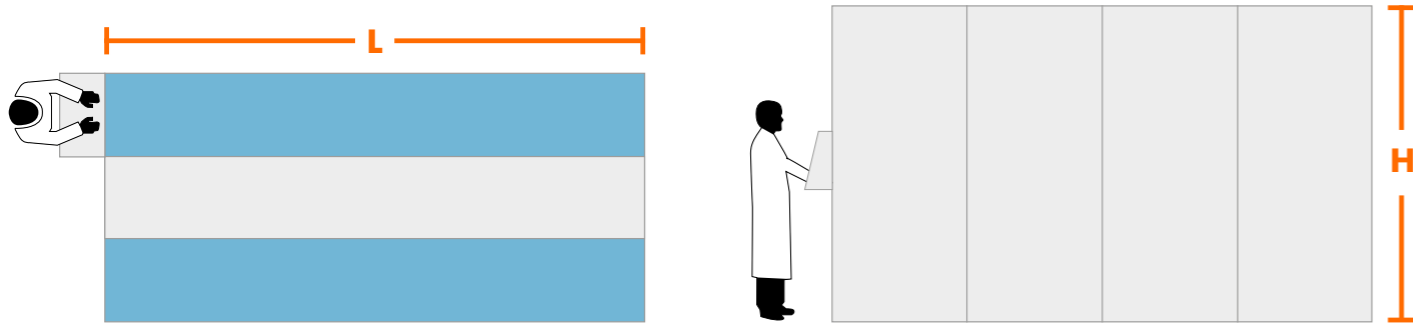
A single movement that replaces a multitude of tasks. Choosing Pharmaload means simplifying your professional activities by delegating a series of important but repetitive and error-prone tasks that are carried out on a daily basis in every pharmacy.

#### PEACE OF MIND

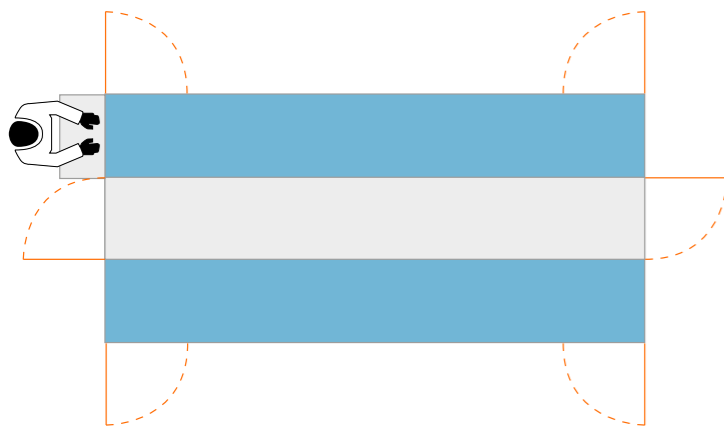
Pharmaload does it all, and it does it well. From loading individual packs, measuring boxes, to reading bar codes, data matrix codes and expiry dates, all the phases of these operations are handled by Pharmaload, which means that the pharmacy personnel no longer has to take care of them.



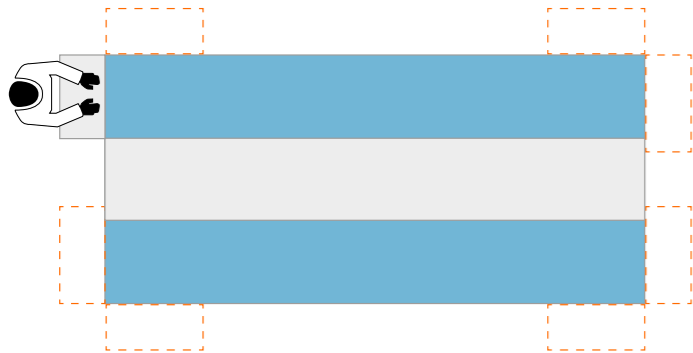
DATA SHEETS  
**VERSATILITY AND CUSTOMIZATION**



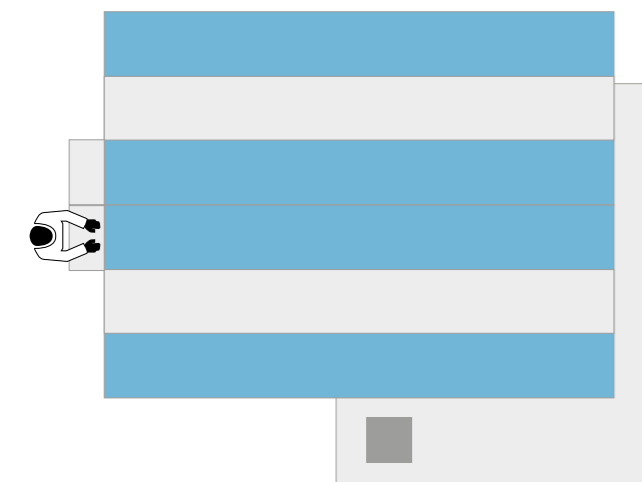
**LENGTH from 3 meters to 15 meters - HEIGHT from 2 meters to 4 meters - WIDTH 1,43 meters:** thanks to the modular nature of Sintesi, the robot can be adapted to any pharmacy space. Customized solutions can be designed upon request. Sintesi is the most compact robot in its category.



**ACCESS DOOR**  
The Sintesi robot access door, which can be positioned on either the long or short sides, may be located in the most convenient point for the pharmacist.

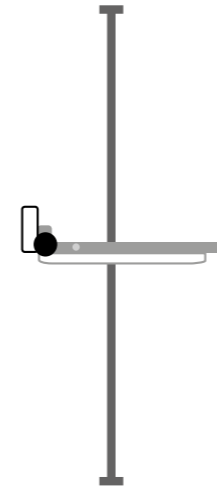


**OPERATOR POSITION**  
The operator position can be located at any of the four corners of Sintesi, on the short or long sides. This allows the pharmacist the maximum degree of freedom when choosing the operating position.

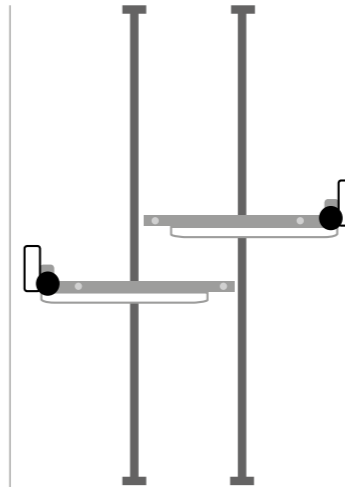


**MULTISYSTEM FOR LARGE VOLUMES**  
For high capacity and speed requirements, it is possible to combine two or more machines in order to share the automatic loader and optimize product distribution.

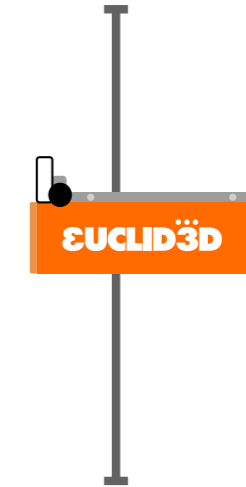
DATA SHEETS  
**CONFIGURATIONS**



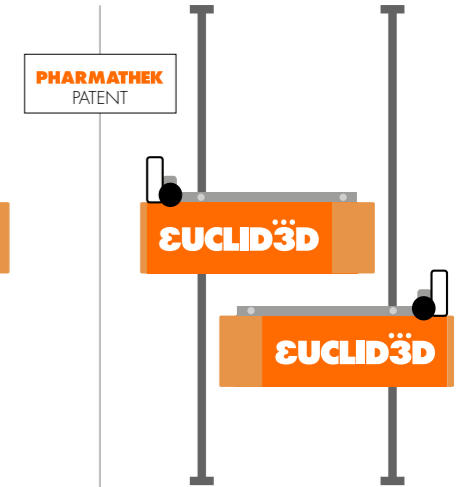
**SINGLE GRIPPER "SLIM"**  
This is a streamlined, extremely fast mechanical gripper that, by rotating on itself, is able to pick up the packs from both sides of the shelves inside the Sintesi robot. It can be operated in multipicking mode and can perform operations designed to optimize storage, such as laser scanning and compacting.



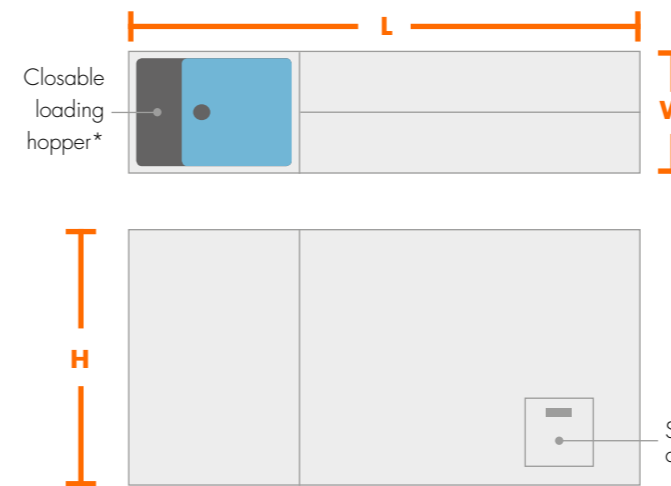
**DOUBLE GRIPPER "SLIM"**  
Increases performance during loading and unloading phases. It is recommended for use in special cases, such as long robots or pharmacies with important volumes and requirements. Its main features include speed, simultaneous loading and unloading and system redundancy.



**SINGLE GRIPPER "EUCLID3D"**  
It is an innovative gripper with a temporary storage unit for packages. The gripper is able to deliver orders and prescriptions consisting of multiple productions in one go, optimizing delivery in a busy pharmacy and reducing management costs.



**DUAL GRIPPER "EUCLID3D"**  
The efficiency and speed of Euclid3D, multiplied by two. With the presence of two Euclid3D grippers, the synchronous management of multi-product order and recipe delivery, the speed of order fulfillment is even higher. This allows to better manage busy moments in the pharmacy.



H 1 m  
W 0,65 m  
L 2,7 m  
**PHARMATHEK PATENT**

**PHARMALOAD AUTOMATIC LOADER**  
The automatic loading process begins by emptying the contents of the delivery totes into the closable loading hopper. The system then automatically sorts the packages, **reads the expiry dates**, places the products on the shelves and checks the delivery note.

**Pharmathek's exclusive service:**  
With **RDE** (Remote Data Entry), expiration dates not read automatically will be entered by our operators.

**100% EXPIRY DATES ENTRY**

\*Optional Xload hopper with extended load capacity available.

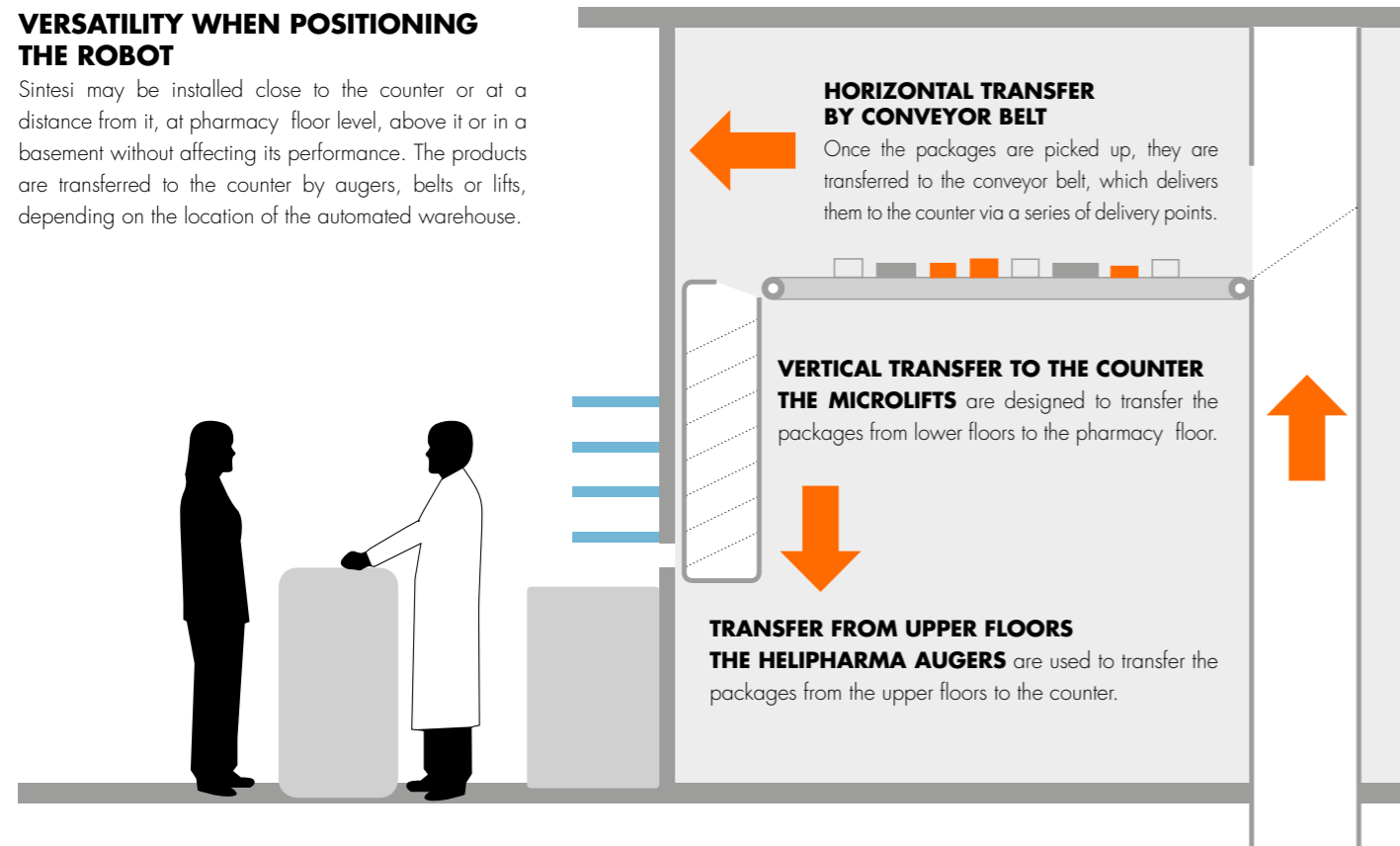


**VARIABLE LENGTH LOADING BELT**  
This belt can be used to load larger quantities of products and ensures that the assisted loading system is not interrupted even when the robot is delivering products to the counter.



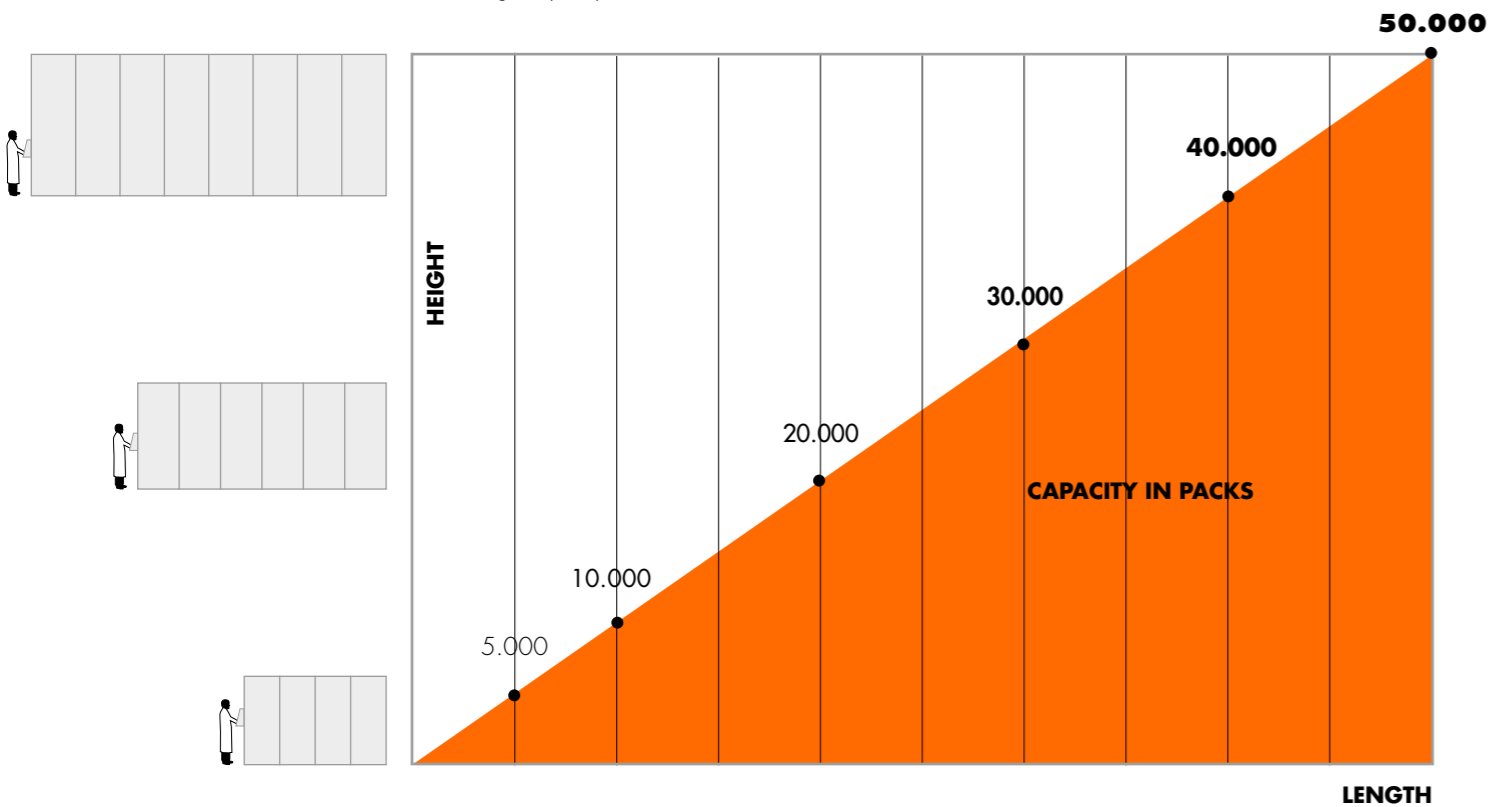
**VERSATILITY WHEN POSITIONING THE ROBOT**

Sintesi may be installed close to the counter or at a distance from it, at pharmacy floor level, above it or in a basement without affecting its performance. The products are transferred to the counter by augers, belts or lifts, depending on the location of the automated warehouse.



**CAPACITY FOR SPECIFIC NEEDS**

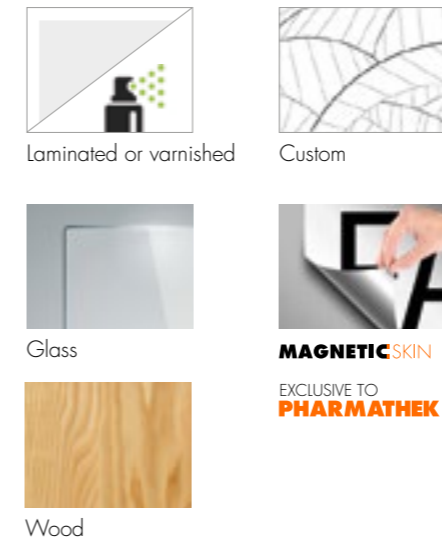
Variable dimensions of the robot determine the storage capacity.



The standard configuration is in white laminated wood panels. It is possible to customize the aesthetics of the robot with a wide range of optional materials and colours.

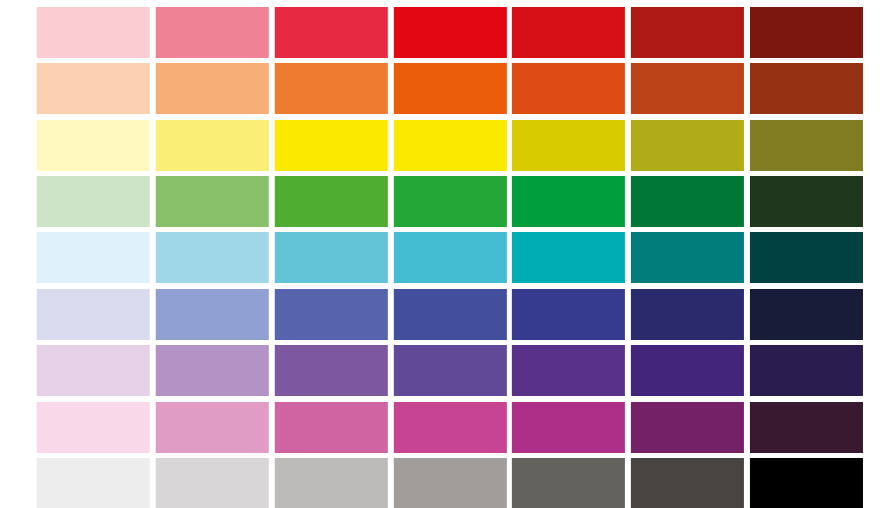
**MATERIALS**

Customizable external finishes with a wide choice of materials including wood and metal panels, painted glass with colored backing or patterns.



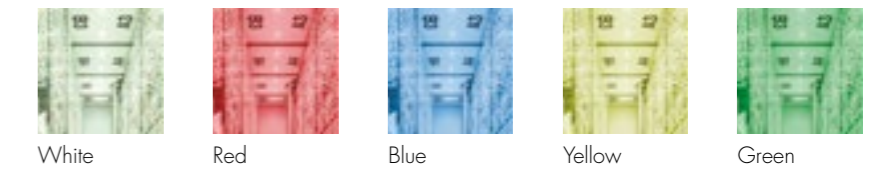
**COLOUR SCHEMES**

The panelling of the SINTESI robot can be customized by selecting from the available colour schemes.



**LIGHTING**

Thanks to the Pharmathek LIGHTYOU™ lighting kit, it is possible to modify the internal robot lighting (RGB) at any time.



**COMMUNICATION**

Graphics can be applied to the panelling, emphasizing the presence of the robot within the pharmacy.





**DR. MASSIMO MERCATI, ABOCA GENERAL MANAGER,  
MUNICIPAL PHARMACY "PONTE A GREVE", FLORENCE (ITALY)**

"We relied on Pharmathek for the robotization of multiple pharmacies that we manage because, after careful analysis by our technical department, we found that Pharmathek was the company able to respond better to our needs, both in terms of performance and of personalization".

**DR. GIAN MATTEO PAULIN, PHARMACY DEL SOLE, BOLOGNA (ITALY)**

"I chose Pharmathek because it is an Italian company, which has guaranteed me a product with the highest quality and assistance that meets any requirement".

**DR. RENZO CLEMENT, FERIGO PHARMACY APOTECA ALTA BADIA,  
THE VILLA IN BADIA, BOLZANO (ITALY)**

"We chose Pharmathek because, in addition to efficiency of the robot, the software is really user-friendly: also the least technologically skilled members of my team are able to use the robot without problems".

**DR. CARLO REBECCHI,  
PHARMACY MASSA,  
GENOA (ITALY)**

"In addition to the reliability of the company, what struck me most about Pharmathek is the exclusive Euclid3D patent, a unique mechanical gripper, able of handling multiple orders in a single solution ... as if it was a pharmacist who returns to the counter with many packs!".

**DR. LUCA CARMIGNOTO, FARMACIA ALL'ANGELO, PADOVA (ITALY)**

"For me, Pharmathek robot is synonymous with peace of mind, because it is so precise and efficient that you no longer have to worry about anything about the warehouse".

**DR. SALVATORE CARUSO, CARUSO PHARMACY, SYRACUSE (ITALY)**

"I chose Pharmathek because of the robot and because of the people: they amazed me with their ability to listen and adapt the installation to my needs. The robot has made the job easier and more rewarding, because it is less tiring and it becomes more productive".

**DR. LUIGIA BLASI, PHARMACY BLASI, BAGNAIA, VITERBO (ITALY)**

"One aspect that I particularly appreciated about the Robot Pharmathek is its ease of use: I am 78 years old and I feel great with the robot! Really, learning to use it is extremely easy, in half an hour you are already familiar".

**DR. CATHERINE QUELAVOINE, PHARMACIE SUD, TOURNON-SUR-RHÔNE (FRANCE)**

"We have chosen Pharmathek for its reputation, in terms of reliability of the company, and for the high quality solutions. But it is with its use that the value of things is really realized. And now I can say I'm very satisfied: the robot is an exceptional work tool".

**DR. ALAIN BRECKLER, PHARMACIE BRECKLER, HERBLAY (FRANCE)**

"Without the Pharmathek robot, we could not make half of the current turnover. It is an absolutely essential tool that should be present in all pharmacies, both small and large. Once installed, a pharmacist wonders how it could be possible to live without!".

**DR. VALÉRIE TISSOT, DU GRAND-SACONNEX PHARMACY, GRAND-SACONNEX (SWITZERLAND)**

"With the automation of Pharmathek I managed to recover space for the sales area and time to devote to the care of my customers. Furthermore, the robot greatly improves the quality of the service, also transmitting a modern and dynamic image of the pharmacy".

**DR. MICHAELA LICKLEDER, PHARMACY SCHLOSS-APOTHEKE ROTH, ROTH (GERMANY)**

"In addition to the performance of the robot, I chose Pharmathek for its excellent price point. Furthermore, the company proved to be impeccable, fast and punctual in delivering the robot and exceptional in terms of customer service".

**DR. MARIANO LLORIS CARSÌ, M. LLORIS CARSÌ PHARMACY, BURRIANA (SPAIN)**

"I think the robot Pharmathek is so versatile that it can be inserted in any pharmacy! In addition, the technical service is spectacular, active and available 24 hours a day for any emergency. It is a service that never leaves you alone".



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