# blister partner

Intelligent, self-learning inspection systems for medication.

Inspector Light

## Products

- Pouch Inspector *Light*  `new`
- TraySee
- Pouch Inspector
- Cut&Roll

## Software

- Pi Web
- Track&Trace

## Accessories

- Pi Transport
- Cut&Roll Table
- RFID System
- Pi Shaker
- Mini Keyboard
- Mini Pi
- Pouch Winder
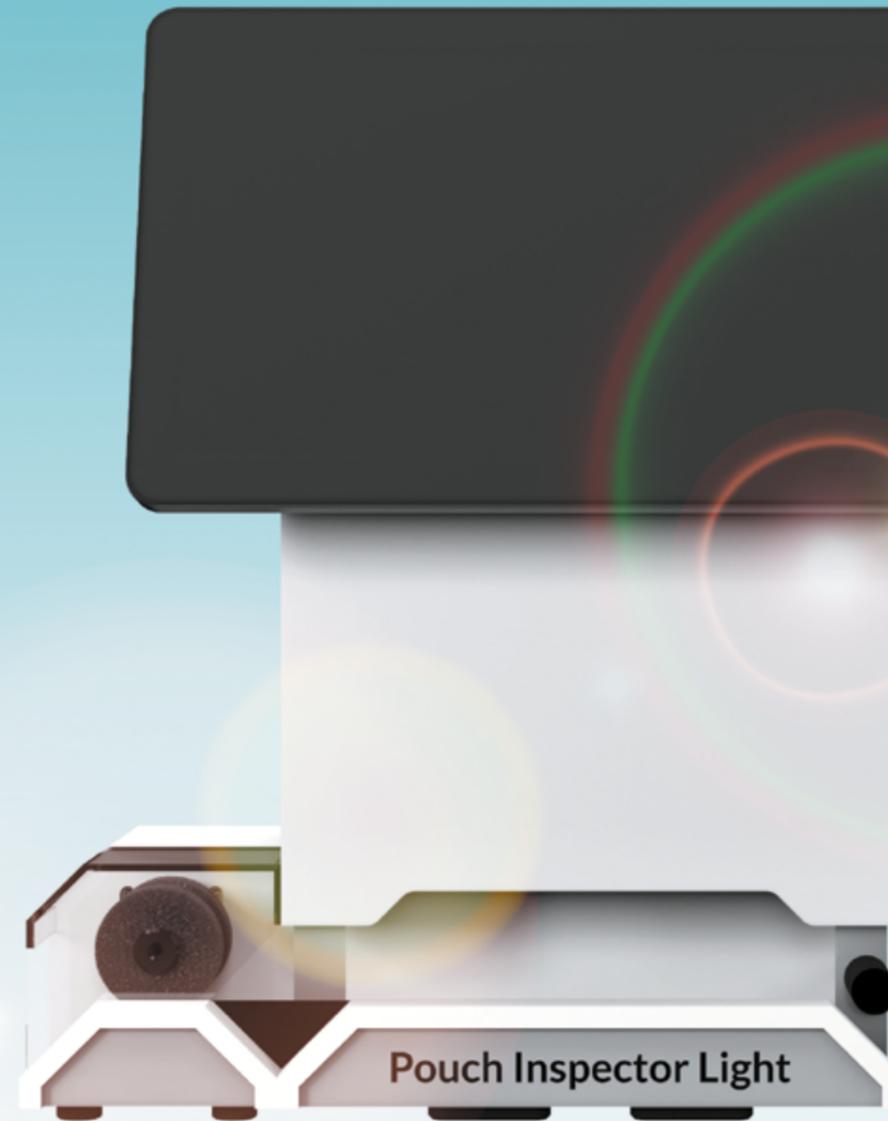- Spool Spinner

**Blisterpartner**
pharmacy automation

# Pouch Inspector *Light*
## **Small**, **fast** and super **accurate**.

## ... and then there was Light.

**Features and benefits**

- Smaller size, same quality inspection
- Quickly deployable (1-3 hours)
- Self-learning & optimizing software (IMM)
- Adaptable to production capacity
- Supports 'Proven Evidence'
- Attractive purchase price

Works
with all known
packaging machines



**Pouch Inspector Light**

# High quality inspection at your fingertips.

Our newest star in the firmament, *Pouch Inspector Light*, makes high-quality inspection with digital documentation accessible for productions with low patient numbers.

## Just as precise

Developed on the basis of our successful inspection machine, *Pouch Inspector*. The *light* version is more compact, simply equipped and has an attractive purchase price. Furthermore, she does exactly the same as her big sister; Accurately inspect medication pouches.

## Affordable

*Pouch Inspector Light* is already a suitable and reliable inspection partner for productions of 1 to 300 patients. If production increases, the capacity can grow as desired. Due to the licensing system, the purchase price is low and you do not pay for what you do not need. Safe dispensing of medication will thus be accessible to everyone.

# Inspect low patient numbers with impressive precision and at lightning speed.

Within 1 to 3 hours the installation of the easy-to-use and compact *Pouch Inspector Light* is completed. Immediately ready to inspect the entire production.

## The light version

The *Pouch Inspector Light* is a self-contained compact and very user-friendly inspection machine that inspects packaged medication by an Automated Drug Distribution system for correct contents. The inspection takes place on the basis of the ordered medication and patient information. All results are digitally documented for further processing and reference.

## Start right away

Just like the *Pouch Inspector, Pouch Inspector Light* is equipped with IMM (Inprocess Model Manager technology). This ensures that without first learning all the medication, inspecting can be started immediately.

A loose strip or roll of medication pouches is placed on the *Pouch Inspector Light*. The inspection immediately starts at a speed of 1.5 pouches per second (90 pouches per minute).

The content of each pouch is automatically compared to the patient's prescribed prescription. The status of each pouch is immediately displayed on the screen. Wrong, unknown, surplus and/or missing medication is flagged without process interruption and automatically integrated into the analysis. All results are stored in the database.
Alerted pouches from a batch can then be manually checked, repaired (if necessary) and re-inspected before the batch is approved for dispensing.
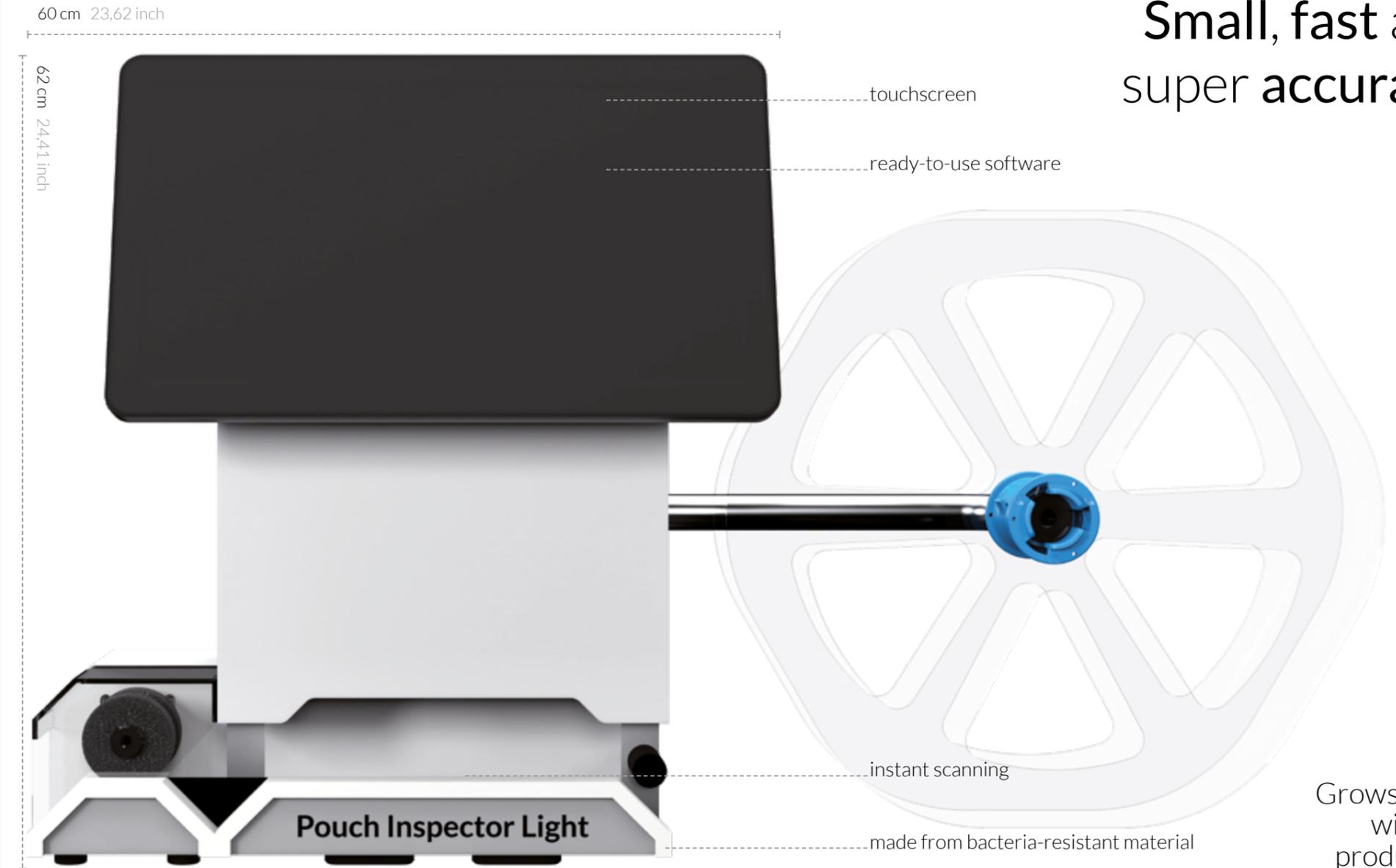
## 'Proven Evidence'

*Pouch Inspector Light* stores a digital image of all delivered medication pouches. This means that there is always quickly accessible and visual proof of what has actually been delivered to a patient. With 'Proven Evidence', the provision of medication is recorded and thus prevents ambiguities and minimizes risks.

## IMM technology

Stands for 'Inprocess Model Manager' Technology. This provides our inspection machines with intelligent, automatic detection of new tablets without production interruption. IMM proposes which medication could be in the inspected bag. Once approved, by the person with the appropriate rights, this medication is included in the entire production.
Manually teaching medication in advance is superfluous by IMM and therefore saves a lot of time. During all productions, it ensures that the database becomes more and more complete and is continuously kept up-to-date.

## Pouch Inspector *Light*
## Small, fast and super accurate.



60 cm  23,62 inch

62 cm  24,41 inch

touchscreen

ready-to-use software

Pouch Inspector Light

instant scanning

made from bacteria-resistant material
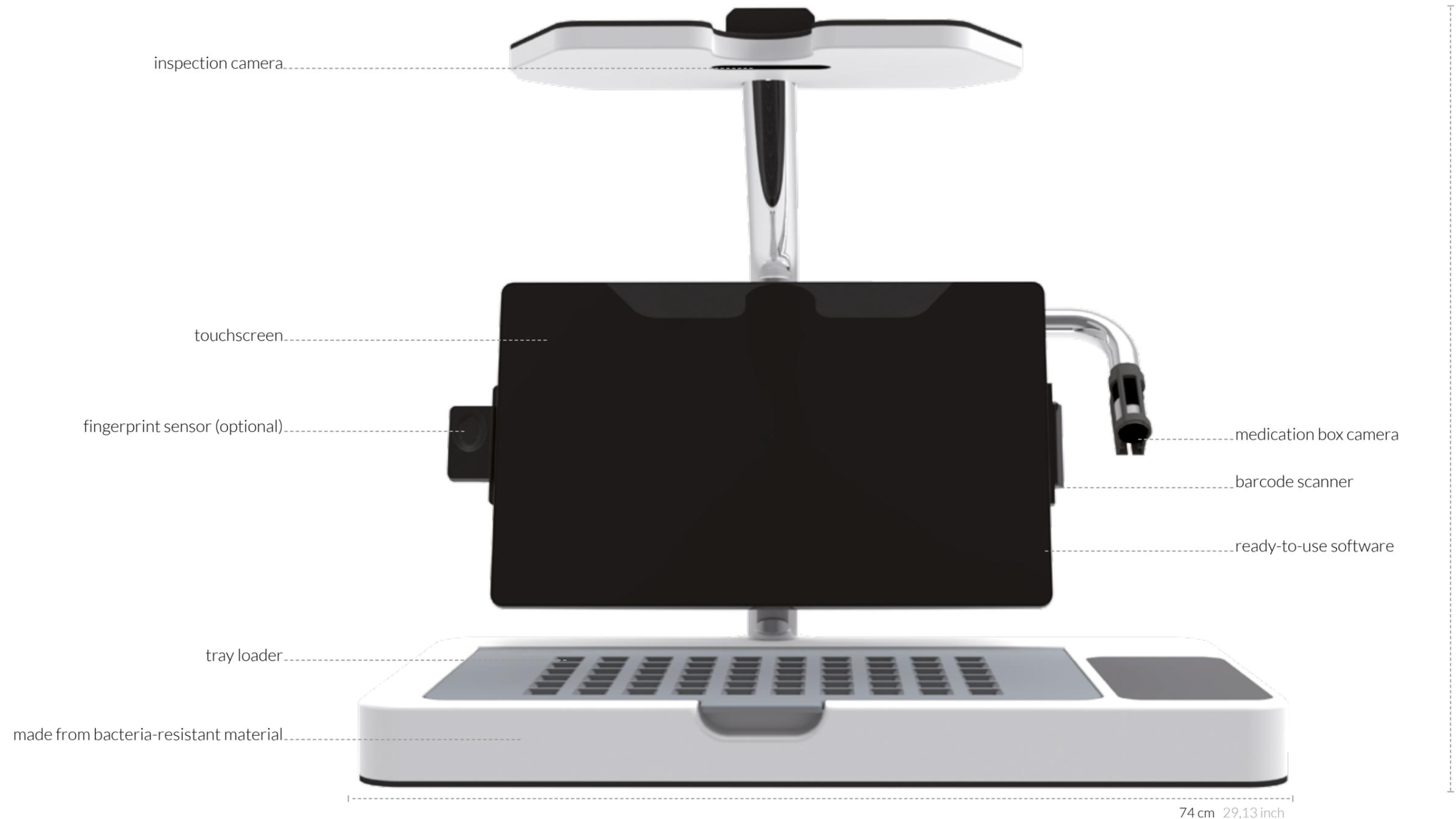
Grows along with the production

# TraySee

## Unique and precise real-time tray fill inspection.

### Features and benefits

- Easy to use, intuitive application
- Real-time inspection
- Efficient manual processing
- If filled incorrectly - no release
- All handling actions are digitally recorded
- Control and release remotely or at a later moment
- Very consistent and accurate

Checks quantity and correct medication

inspection camera

touchscreen

fingerprint sensor (optional)

tray loader

made from bacteria-resistant material

medication box camera

barcode scanner

ready-to-use software

63,5 cm  25 inch

74 cm  29,13 inch

# Beauty and brains in one compact machine.

*TraySee* is a stand-alone inspection machine that verifies whether the compartments of the tray are filled correctly and is able to verify quantity and correct medication.

## Secure inspection

Manually filling a tray to add small amounts of medicines to a drug distribution system is labor-intensive and time-consuming. This is particularly true because errors slow down the process at a later stage and can have serious consequences for patients. With *TraySee*, manual filling becomes easier, more accurate and time efficient. She is extremely accurate and controls the manual addition in real-time, making an in-process control of the filling almost superfluous.

## Check, check ...

*TraySee* inspects the manual operations and records everything digitally. The added medication is inspected in real-time. If the tray has not been filled correctly, it will not be released. This prevents incorrect filling of medication bags and subsequent repairs.

# Perform the best possible inspection with the latest state-of-the-art technology.

At the moment, the *Pouch Inspector* is the fastest pouch inspection machine with up to 5 pouches per second and impressively accurate.

## Time saving

Working with medications safely and accurately are the most important aspects to us. Our products are developed to be highly efficient to optimize the production process speed without compromising on quality. All our products work seamlessly together to optimize the production process and to achieve the highest pouch-handling speed.

With our unique self-learning software with IMM technology, integrated database and remote connection to our Service Center, we offer a total package. We also assure our customers of good support.

## User friendly

The combination of a functional, compact design, carefully selected materials and the self-learning software, ensures that our products are easy and pleasant to use.

We continue to test and optimize the hardware and software, so minimal training is required to work with our products. We strive to have the highest Customer Service level possible.

## Up-to-date

We keep the software up-to-date to improve the functionality of the various systems. Therefore we are flexible, provide the best software available, and can also apply custom made solutions.

## Training & Documentation

Benefit from our years of experience in medication pouch packaging. Training is available with our services.
GMP documentation is available on request.

40 cm  15.75 inch

67 cm  26.38 inch

touchscreen

ready-to-use software

made from bacteria-resistant material

instant scanning

**Pouch Inspector**

Pouch Inspector
**Fast** and **accurate** pouch-packaging inspection.
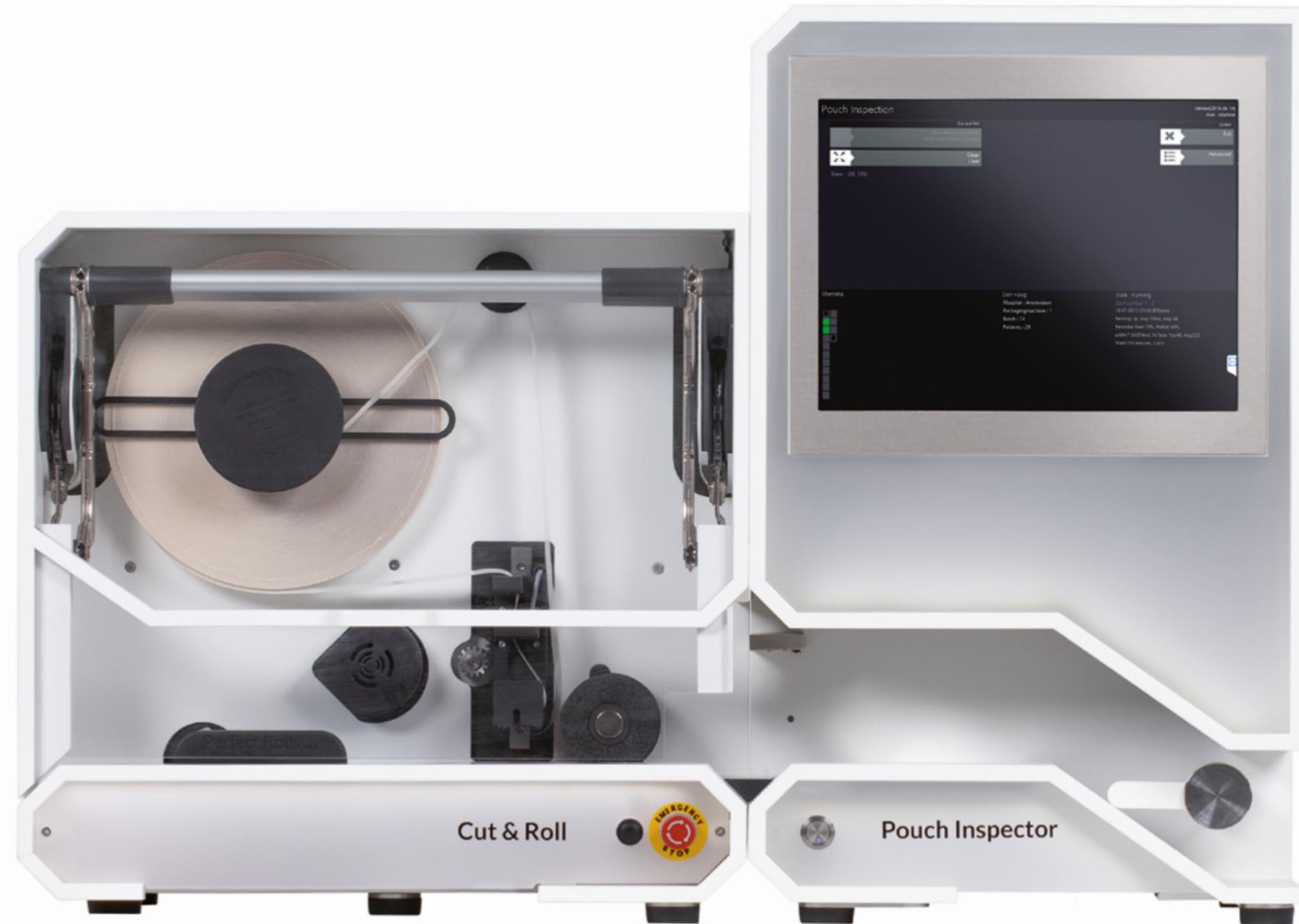
Up to 300 pouches per minute
(5 per second)

# Cut&Roll

## Automatic cutting and rolling, per **patient**, **intake time** or **location**.

**Features and benefits**

- Automatic selecting, cutting and rolling
- Selecting criteria can be set as desired
- Automatic separation of alarmed and alarm-free pouch rolls (optional)
- Higher pouch-handling speed, no tangled mess of pouch strips
- Fast access to the alarmed pouches

Even suitable
for small
quantities



## A perfect addition to the production process.

To increase processing speed after inspection by the *Pouch Inspector*, the *Cut&Roll* selects, cuts and separates pouch strips automatically. Selecting criteria can be set as desired.

### Automatic start

The *Pouch Inspector* verifies medication per pouch and scans their unique barcode. *Cut&Roll* uses this information to cut the pouch strip into smaller parts, and creates compact rolls based on the chosen selection criteria (e.g. per location, sub location, day-part and/or intake time etc.). Then, it is possible to automatically separate these compact rolls into alarmed rolls which must go to the repair station or alarm-free rolls that are ready for dispatch. This increases the speed significantly.

### Optional

Separating the alarmed from the alarm-free rolls is optional. A valve will be placed under the *Cut&Roll* and the pouch rolls will be guided to either the 'green' or the 'red' box. If only transport of the pouches is needed then there is also an option to disable cutting.

# Time-consuming processes become simple tasks with our solutions.

Whether you go for the *Pouch Inspector* with Reel-to-Reel, a combination with Pi Transport or with *Cut&Roll*, each configuration has its own benefits.

## Reel-to-Reel

This combination rolls the pouches, after inspection, back onto a spool. The benefit is that the inspected pouches are neatly stored and can easily be brought to the repair desk.

## Cut&Roll

After inspection by the *Pouch Inspector* the *Cut&Roll* immediately cuts the pouch roll per patient, location or intake time. Places a sticker; rolls it into a neat roll; divides the rolls into a correct and incorrect bin. It simply saves time.

## Pi Transport

In combination with the Pi Transport, the pouches are transported through the *Pouch Inspector* and dropped as a string of pouches in a bin besides the table. No need to unwind a spool to find the pouch for repair.

## Create
### efficiency.

**Pouch Inspector configurations**

1. Reel-to-Reel
2. Cut&Roll
3. Pi Transport

Pi Transport

Pi Transport

Pouch Inspector

## Various configurations
### Choose the combination that works best.

Adaptable to each production process

# To operate the Pouch Inspector from any PC or tablet? That's possible with our software.

We know how high the workload can be. So we developed self-learning software that takes away as much work as possible, gives you full control and is user-friendly.

## Pi Web

The *Pouch Inspector* comes standard with our *Pi Web* software. This user-friendly web application can be operated via the touchscreen of the *Pouch Inspector* and from any PC or tablet in your network. After inspection, the results can be verified, validated and archived in a very intuitive manner.

*Pi Web* operates based on a To-Do list. Validated batches are placed on the list to finalize. Missing, surplus, damaged and incorrect medication are shown per batch, per patient and per pouch. And any batches with alarms can be immediately corrected and validated.

### Benefits

- Easy and intuitive to use
- Inspect from any device in your network
- No extensive training required
- Printable, lists and reports (Excel / PDF)
- Tolerances per medication adjustable
- Adjustable levels of security (users vs. rights)

## Track&Trace

Our newest software, Track&Trace, takes care of the medication rolls after the inspection process. It complements the workflow which minimizes errors in the processing and sending of the rolls. With Track&Trace you will always know which medication roll is where and whether it will be released at the right time and sent to the right location.

Medication rolls which are processed with *Pi Web* are digitally registered. Track&Trace uses this information to create an end-to-end chain control.

After the barcode of the medication roll has been scanned, Track&Trace indicates in which container the roll should be placed. Before the roll is placed in the container, the container is scanned and it can be immediately seen and heard, whether or not this is the correct container. The correct medication rolls and the correct number for this location are automatically recorded in the container. If the order is com-

plete, Track&Trace prints the shipping label and the order can be shipped.

You can check any time where a medication roll is located and in which container the physical roll has been placed. The rolls that still need to be repaired after the inspection process end up in a separate repair container and return to the inspection process once they have been repaired. All the details of the actions are recorded and can be consulted for verification afterwards.
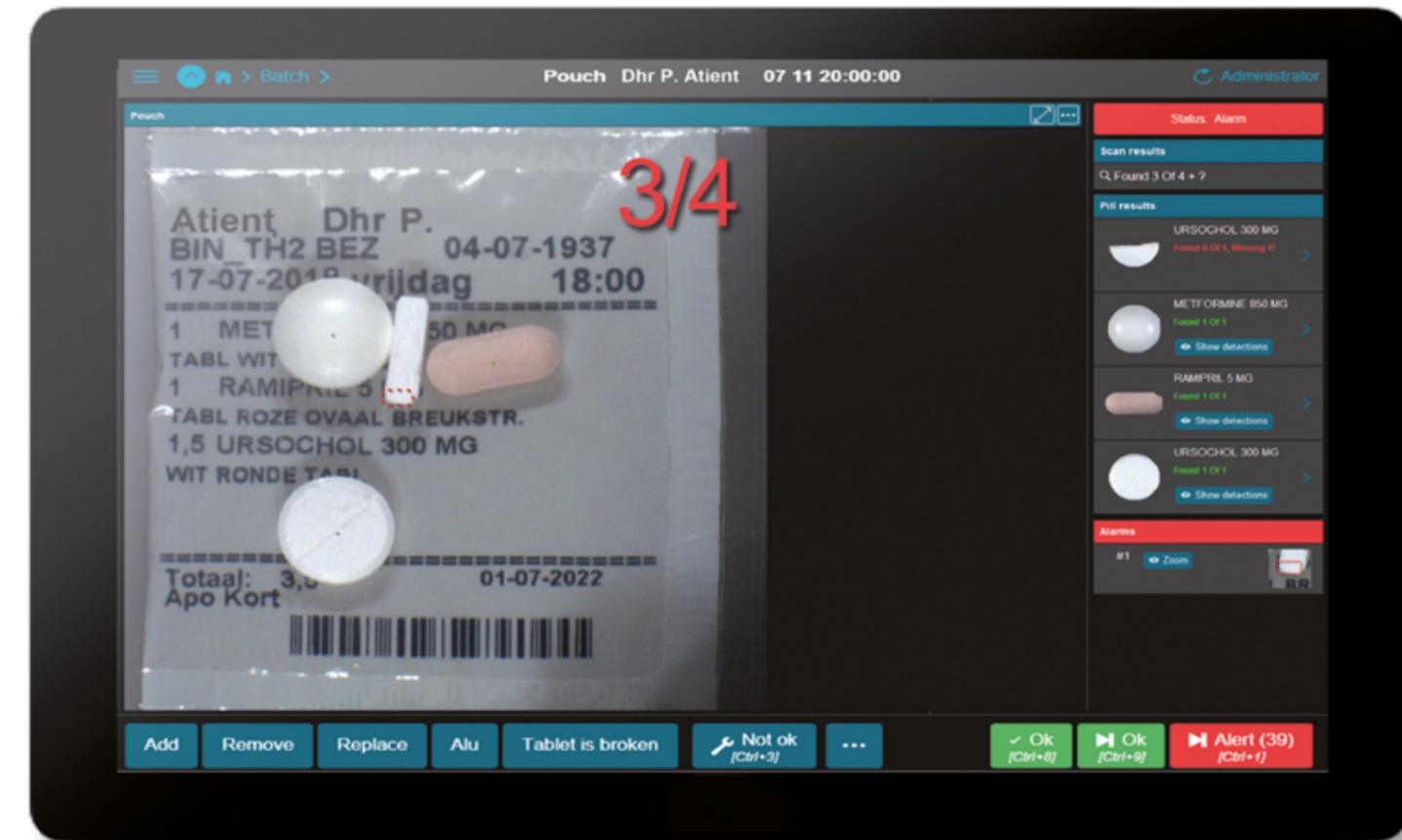
### Benefits

- End-to-end chain control
- View the location of rolls, any time
- Releasing of controlled and approved rolls
- Counting and checking with input file (e.g. OCS)

### Track&Trace software comes with:

- Barcode scanner (hand scanner)
- All-in-one touchscreen computer
- Label printer

## Pi Web and Track&Trace
## Have full **control** with our **self-learning** software.



End-to-end chain control

# Accessories
## **Optimal** performance within **reach**.

Cut&Roll ···············

Cut&Roll Table ···············

RFID System ···············

·············· Pi Shaker

Combines
with any
packaging machine

---

# We developed handy tools to make it easy.

To optimize your production process we developed products based on years of experience and innovation.

## Cut&Roll Table

We've designed a table made from bacteria-resistant material and the right outlets and dimensions suited for the *Pouch Inspector* in combination with the *Cut&Roll*. In addition, a valve can be placed underneath the *Cut&Roll* to separate the pouch rolls (alarmed and alarm-free pouch rolls). This table has extra storage space and is equipped with wheels and is conveniently movable.

- Table top of bacteria-resistant material
- Separate alarmed and alarm-free pouch rolls
- Extra storage space
- Conveniently movable

## RFID System

Every crate will receive it's own code number and is registered in our *Pi Web* software. This creates total traceability of every pouch. In combination with our newest software Track&Trace, it's a full process control from inspection to final inspected and approved pouch rolls.

## Pi Shaker

It's in the name. It shakes the pills before inspection to decrease false-alarms. This module can be placed before the *Pouch Inspector*.

## Mini Keyboard

To optimize the validation process we have implemented the *Mini Keyboard*. It's a small keyboard with eight buttons. Buttons such as 'Ok', 'Back', 'Next' and 'Report' will get you through the validation process even faster.
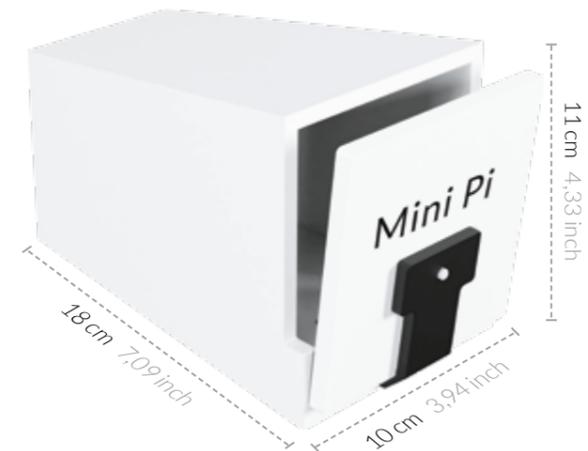
It can be used at the *Pouch Inspector* or at your desk.

- Optimizes the validation process
- Can be used with the *Pouch Inspector*
- Can be used from your work station

## Mini Pi

With this repair station you can easily add photos of repaired pouches to the software system of the *Pouch Inspector* (*Pi Web*). You can add as many extra photos as you like, for example photos of medication packages.

- Easy to use repair station
- Software module integrated in *Pi Web* (inspection software of *Pouch Inspector*)

11 cm  4.33 inch

18 cm  7.09 inch

10 cm  3.94 inch

*Mini Pi*

# Pouch Winder

The *Pouch Winder* rolls the filled pouch strips from the pouch packaging machine onto a spool without creating tension on the strips. This prevents torn strips.

The U-sensor of the *Pouch Winder* measures and controls the winding speed. It is also possible to change the winding direction. In addition, the foot pedal can be used to manually wind the spool in either direction.

This *Pouch Winder* can also be used with any brand of packaging machine.
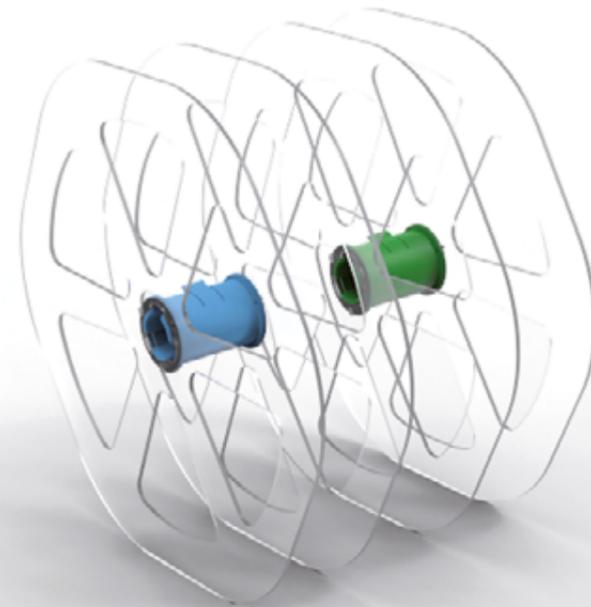
# Spool Spinner

Together with the *Pouch Winder*, our spools can be used to roll the pouches directly from the packaging machine into a perfect roll. These rolls can be transported easily and placed onto the *Pouch Inspector*.

The *Spool Spinner* has an easy slide-in-system to capture the pouches. Due to the low-resistant spinning core the pouches are prevented from tearing.

The *Spool Spinner*s are available in a variety of core colors. This ensures easy recognition in every phase. Compared to the round spool, the hexagon spool can take 42% more pouches and can be placed easily on the ground or in a rack.

## Features and benefits

- Variety of core colors (optional)
- Easy slide-in-system to capture the pouches
- Low-resistant spinning core to prevent tearing
- Hexagon spool can carry 42% more pouches

Spool Spinner
Hexagon 50 cm   19,69 inch

Spool Spinner
Round 42 cm   16,54 inch

U-sensor

Pouch Winder

Foot pedal

## Intelligent systems to **inspect** packaged medication.

### Products

- Pouch Inspector *Light*
- TraySee
- Pouch Inspector
- Cut&Roll

### Software

- Pi Web
- Track&Trace

### Accessories

- Pi Transport
- Cut&Roll Table
- RFID System
- Pi Shaker
- Mini Keyboard
- Mini Pi
- Pouch Winder
- Spool Spinner

# blisterpartner
## pharmacy automation

www.blisterpartner.nl

**Blisterpartner**

Dr. Lelykade 14-B
2583 CM Den Haag
The Netherlands

T +31 (0)70 785 226 8

info@blisterpartner.nl
www.blisterpartner.nl