



Photon

Automated medication pouch checking

Medication delivery patients can trust



ZIUS.
medical



May we introduce... the Photon



A new era of delivering medication

Automatic dispensed medication has become the standard for delivering medication to patients in a safe, secure and cost effective manner. With an ageing population and increasing pressure on national health care systems, the demand for automatic dispensed medication will continue to grow over the next years. As a result, the requirements for Pharmacies to deliver medication will demand absolute safety of quality and simultaneously keeping costs to a minimum.

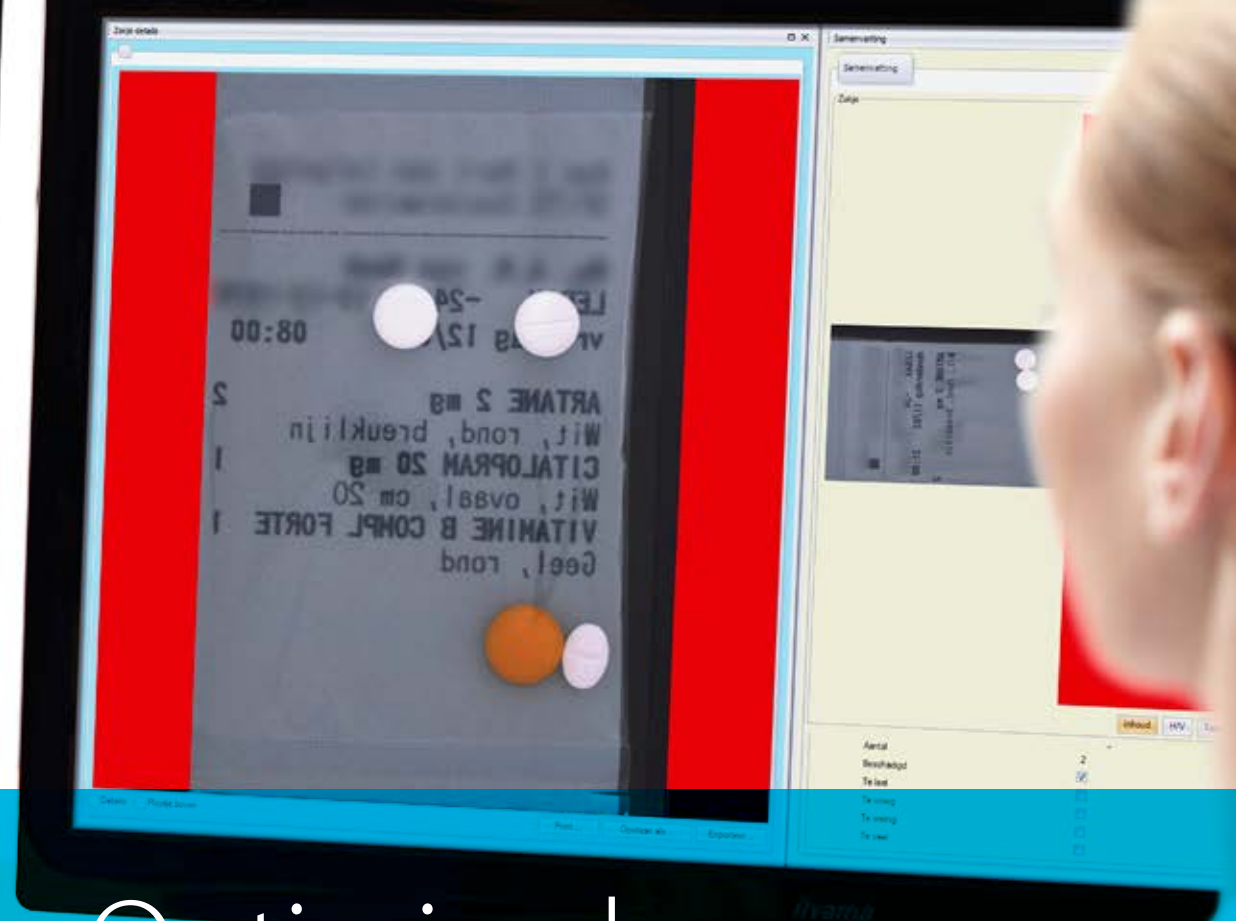
Our promise

ZiuZ has been helping Pharmacies to raise quality and efficiency within their dispensing process for more than a decade now. This experience, combined with our visual intelligence technology and valuable client input were used to design the Photon, our latest automatic medication pouch checking machine. With the Photon, we set new standards for delivering medication patients can trust.

Unparalleled quality. Optimized, cost effective process. Scalable solution.



Unparalleled quality



Optimized process



Photon

for instant analysis.

XT

for serial winding of patient strings.

Viewer

for on-screen visual checking of suspect pouches, with intuitive error-finding through intelligent pinpointing.

Batch Validator

for selecting erroneous patient rolls for correction and defining completion of batch.

Corrector

for pulling up pictures of erroneous pouches and taking pictures of corrected pouches. Which are then added to the originals in the database.

A fully integrated and cost effective process

Watertight process from pouch production to dispatch
ZiuZ has developed several tools with barcode scanning for separating and pointing out errors and for tracking and tracing of patient rolls. This ensures patient rolls are handled correctly and follow the right path to the patient.

Manager application
The Photon comprises with a manager application allowing for easy pouch picture retrieval in the case of complaints, for quality statistics reports, production statistics reports and for easy handling of the reference

database. Being able to monitor all steps makes it possible to keep manual handling to a minimum and design a cost effective process.





Scalable
production
capacity



Fully scalable to match your production needs

The Photon comes in 3 versions with increasing capacity, 2,400 (Photon 24), 3,600 (Photon 36) and 5,400 pouches per hour (Photon 54). The Photon 24 and 36

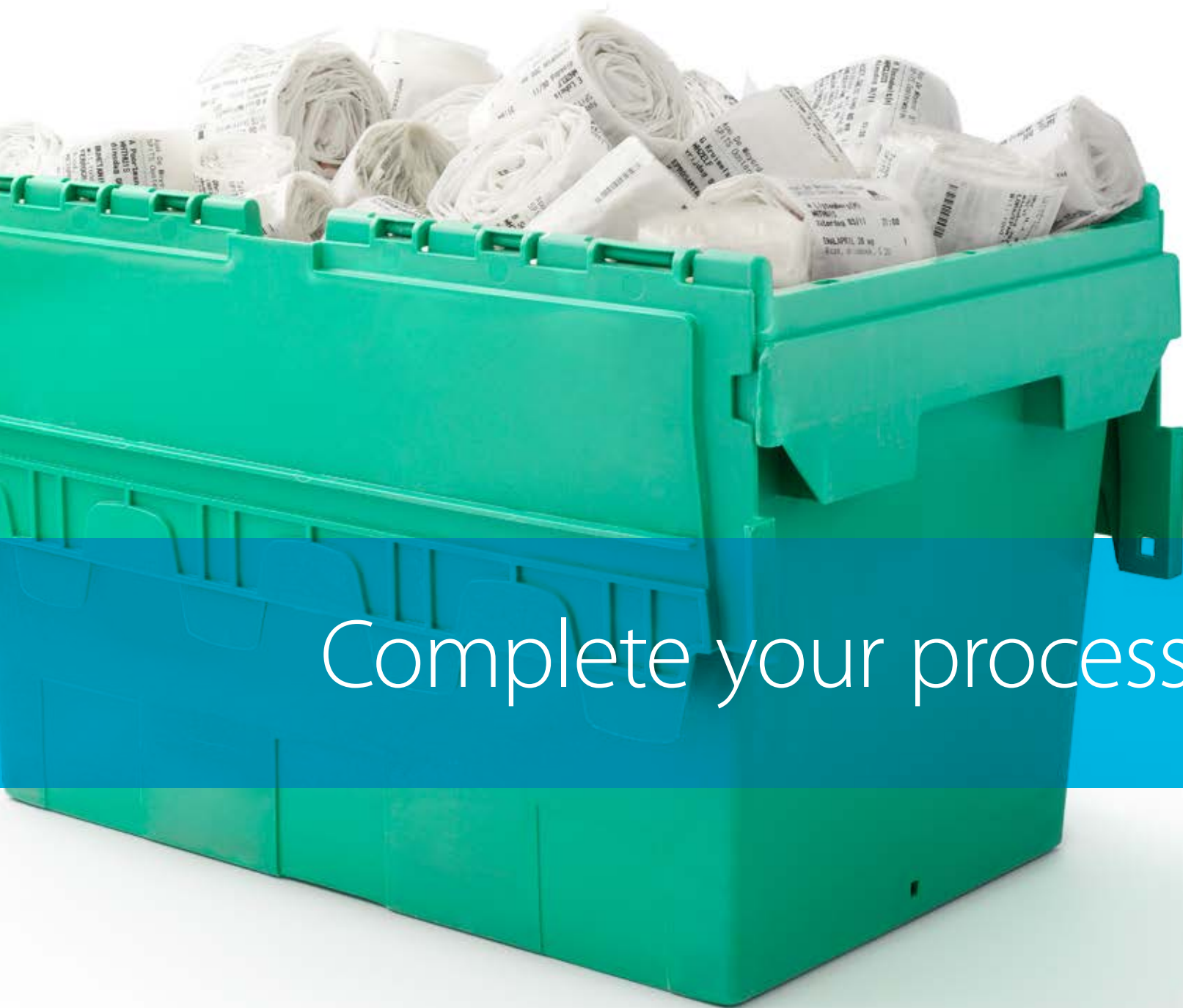
are upgradable to 36 and 54. A hassle free capacity increase makes it possible to anticipate future growth. Please contact us to determine your optimal capacity.

5,400 (or 3,600 or 2,400)

pouches per hour

192 (or 128 or 85)

patient week rolls
of 28 pouches per roll



Complete your process with XT



Serial patient string winding at same speed

The optional extension Photon XT is winding, cutting and labeling patient rolls at the same speed the Photon has. A clean and hands-off process.

Quality for the XT was translated into a seamless process of winding, cutting and labelling, keeping handling minimal and pouch and content quality optimal. With the XT, you will be able to complete the packaging

process. Labelling the rolls with an adhesive strip on the inside, makes it easy to correct wrongly packed pouches and to re-wind and label it afterwards.

Photon overview

- Analysis using 13 parameters
- As low as 2% false negatives through multiple spectrum analysis (visual and near-infrared)
- Easy reference database accrual and update during production process
- Self-teaching feature during production process creating reference images for new medication
- 2,400 (Photon 24), 3,600 (Photon 36) or 5,400 (Photon 54) pouches checked per hour
- Only 1.33 pouches per million falsely approved*
- Extended archiving of pictures to 1 year and longer
- Seamless integration with existing ZiuZ production environment

Dimensions

	Photon	XT
Width:	192 cm	95 cm
Depth:	67 cm	60 cm
Height:	145 cm	125 cm

Accessory

Sidewinder
for stable
tension
reel-winding.



*Data on file: quality report 0.7. Study can be made available on request.

**Data from real production. Production site can be made available on request.

ZiuZ Medical

ZiuZ Medical operates independently of drug dispenser machine manufacturers and can interface with all main dispenser machine brands. The production of millions of medication pouches are checked by ZiuZ Medical inspection devices on a daily basis in pharmacies worldwide.

ZiuZ Medical is a knowledge-intensive company specialised in developing and applying cutting-edge visual intelligence technology for pharmaceutical and medical purposes. It is driven by a determination to make a difference in medical challenges. The Company has a pragmatic and no-nonsense approach; an approach that encourages successful collaboration with partners and customers.

ZiuZ is based in Gorredijk, Friesland, in the north of the Netherlands.

More information

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