

# IRIS G2



Best in class high-speed  
pouch checking

Making medicine  
dispensing safer

**ZIUS.**

# IRIS<sup>G2</sup>

secures the  
dispensing  
process



**Specialists in hospital and retail pharmacies worldwide work around the clock to provide patients with the pharmaceutical care they need. They dispense millions of medication pouches daily, working as fast and efficiently as possible. In an industry where people's lives rely on the right medication, there is no room for error.**

With IRIS<sup>G2</sup> we are pushing the boundaries in the medication dispensing checking process. We help specialists do their work faster and more efficiently while remaining in complete control.

At ZiuZ Pharmacy Automation, we have experience in visual intelligence leading to technology leadership in pouch medication over the last ten years. Our devices analyze the contents of millions of pouches every day, leaving no pill undetected and making the medication dispensing process safer for the patient.





### Most accurate error finding

ZiuZ IRIS<sup>G2</sup> uses advanced visual intelligence technology. Using various parameters, ZiuZ IRIS<sup>G2</sup> meticulously analyses the contents of each medication pouch. Any errors are quickly identified on screen through color coding.

### Effective and Efficient

ZiuZ IRIS<sup>G2</sup> approves up to 98% of the pouches automatically, leaving very few pouches to be checked on the screen. The colour-coding and workflow guidance in the intuitive interface leads the pharmacist to those few mistakes accurately.

### Detailed evidence of packaging

ZiuZ IRIS<sup>G2</sup> takes a photo of each medication pouch. These photos are saved in a central storage, so that they can be easily retrieved if necessary.

### Plug and Play

ZiuZ IRIS<sup>G2</sup> is installed, implemented and taken into production in no time. The reference image database is easily built straight from the beginning, straight from production pouches.

### Multiple interfaces

ZiuZ IRIS<sup>G2</sup> interfaces to most popular brands of pouch packaging machines.

## Unparalleled quality for making medicine dispensing safer

### Correcting pouches made easy

Close the loop of the pouch inspection process by adding a Corrector to IRIS<sup>G2</sup>. Collecting evidence of corrected pouches is fast and easy with the Corrector. Its top-class camera captures the corrected pouch in a perfect photo. The single-click confirmation mechanism takes the user through the correction process without using the mouse. Correction can be done from any location in the pharmacy using the IRIS<sup>G2</sup> Studio multi-user license. The IRIS<sup>G2</sup> Studio software provides a simple and easy-to-use workflow for correcting pouches. Details on what medication to correct and in which pouch is within direct reach of the user from the integrated correction tab. A simple pouch correction wizard helps the user to take the right photo.



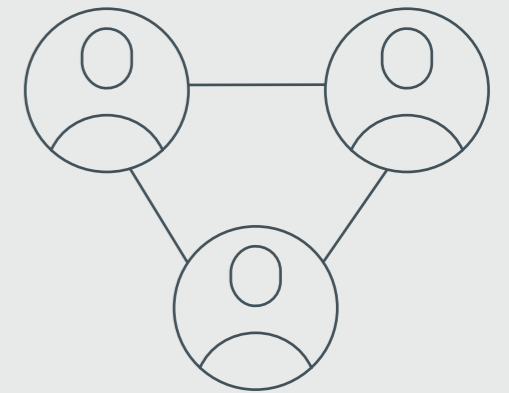
# IRIS<sup>G2</sup> overview

- Full color analyses of medication
- Error pinpointing through clear color coding and icons
- Automatic approval rate up to 98%
- Intuitive user interface (extremely short learning curve)
- Automatic analysis helps the pharmacist to optimize their system
- Easy retrieval of all data and pictures from the archive
- Built-in quality log
- Interfaces to most brands of pouch packaging machines
- Covers production of at least one dispensing machine (up to 5.000 pouches per hour)



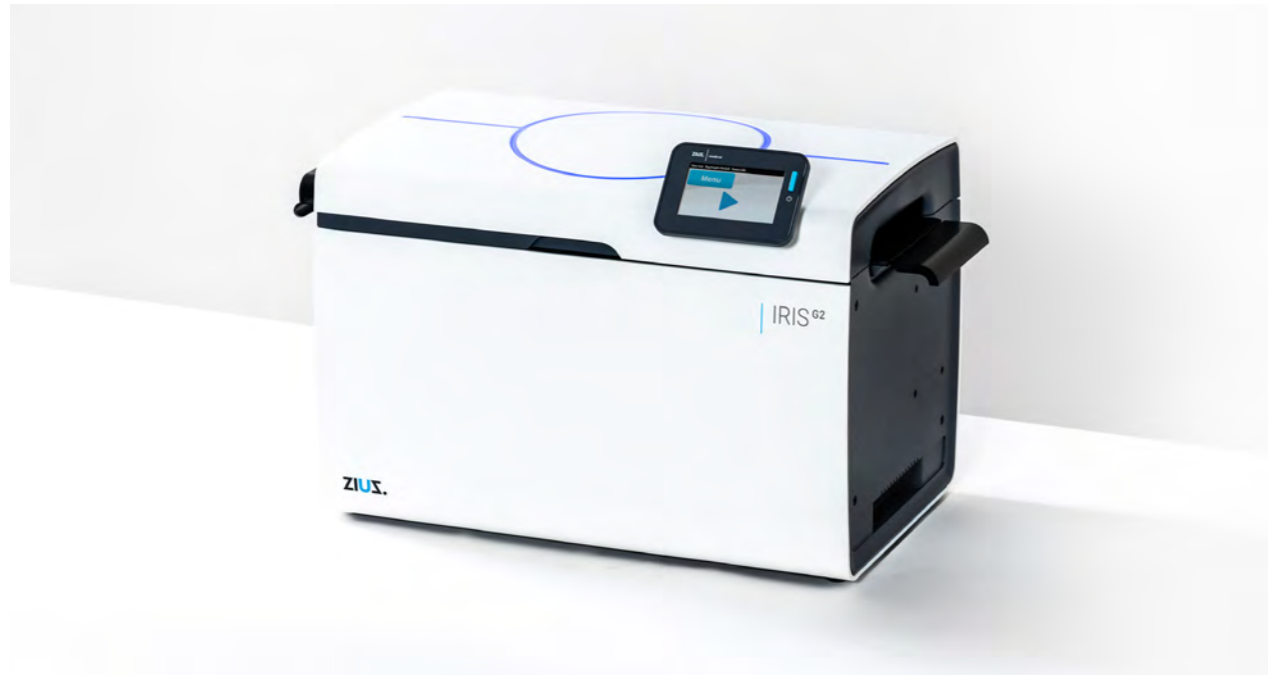
## **IRIS<sup>G2</sup> supports multiple users working together**

Install IRIS<sup>G2</sup> Studio anywhere and work simultaneously with up to 5 concurrent users. With a multi-user license, users can work together viewing and correcting pouches while processing a new batch with IRIS<sup>G2</sup>. Create batch reports from office PC's without the need to sit next to the machine. Organizing the placement of IRIS<sup>G2</sup> becomes flexible as only processing of the batch is done on IRIS<sup>G2</sup> itself, correcting and viewing can be done anywhere else in the pharmacy.



# ZiuZ IRIS<sup>G2</sup>

## Technical Product Specifications












### ZiuZ IRIS<sup>G2</sup> makes no trade-off on accuracy

- Controlled light conditions via high-end LED dome eliminates reflections on cellophane.
- Cameras are calibrated via specially designed calibration card.
- Japanese dual-CCD sensor camera makes Near-Infrared and RGB picture at the exact same moment.

### Detection technology specifications

Performance on transparent medication	Excellent
Performance on dark/black medication	Excellent

### Main parameters used for analyses

 Color Red (1), Green (2), Blue (3)	 Surface detection (8)	 Length detection (11)
 Color standard deviation Red (4), Green (5), Blue (6)	 Roundness detection (9)	 Width detection (12)
 Contour detection (7)	 Distance to center detection (10)	 Crumbs (13)

# ZiuZ IRIS<sup>G2</sup>

## Technical Product Specifications

### Specifications

Maximum speed (pouches per hour)	5000
Number of cameras	1 (RGB + NIR)
Type of light being used	LED Dome
Display	Touch screen
Maximum number of users Unlimited	(5 concurrent users)
Learning references on the fly	Yes
Operational with reel holder and reel	Yes
Power supply Europe	230V-50Hz. – max. 6,3 Amp. + Grounded
Power supply USA	115V-60Hz. – max. 6,3 Amp. + Grounded
Power supply China	230V-50Hz. – max. 6,3 Amp. + Grounded
Compatible with dispensing robots	All

### Dimensions

Length	650 mm
Width	380 mm
Height	430 mm
Weight	28 kg

### Floor space requirements Pouch specifications

Length	2500 mm	Smallest pouch size	55 x 42 mm
Width	1500 mm	Largest pouch size	90 x 74 mm
Height	2500 mm	Foil type	Clear on white

### Optional

### Function

### Includes

Correction station	Correction of erroneous pouches + take picture	Corrector camera & barcode scanner 2D
Multi-use	Work simultaneously with up to 5 concurrent users at the same time	5 concurrent users license

## About ZiuZ

ZiuZ is a leading innovative company in developing and applying high-grade technology in visual intelligence applications. We develop various medical applications for pharmacies and hospitals. In addition to the products for the medical world, ZiuZ Forensic develops products for forensic footage analysis, helping law enforcement agencies to fight child abuse.

### Mission

ZiuZ wants to achieve a worldwide impact with profitable and innovative solutions based on visual intelligence applications that contribute to solving socially relevant problems in the world.

ZiuZ Pharmacy Automation focuses on developing pouch inspection systems and workflow solutions for the pharmacy automation market.

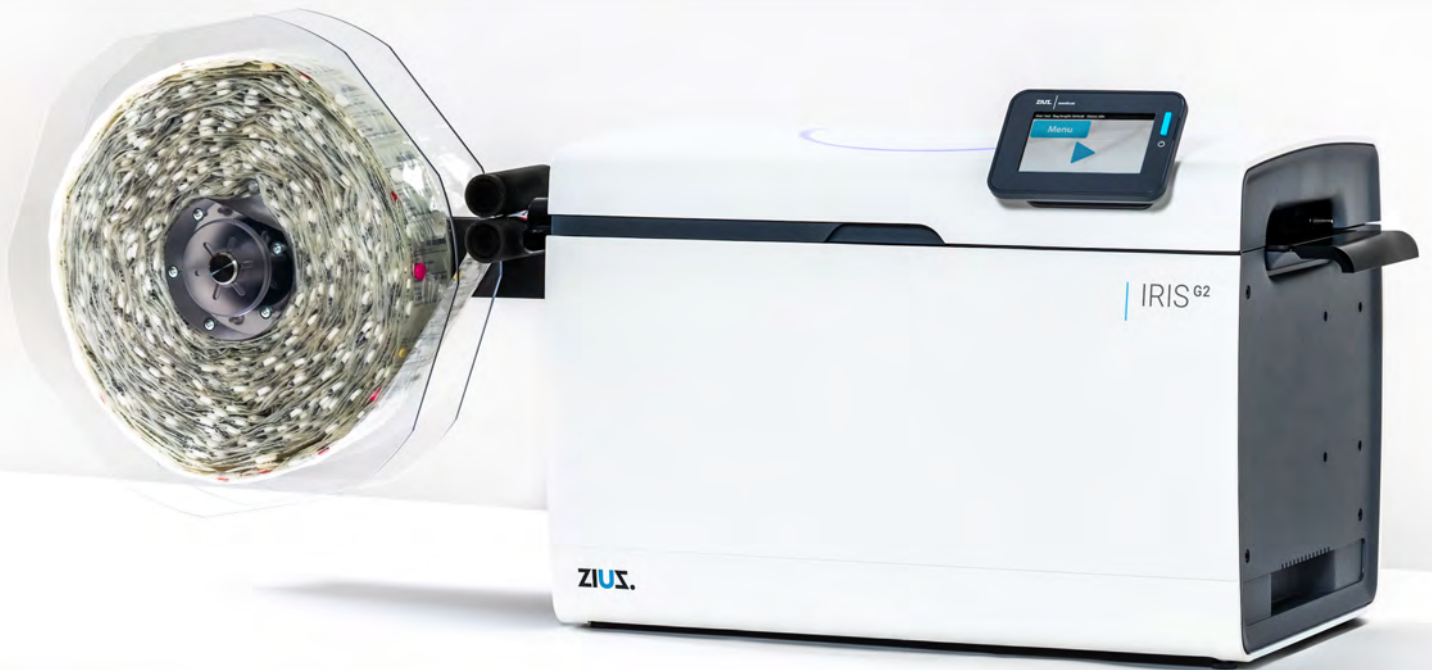
# Determined to make a difference

## Contact



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Patient safety first