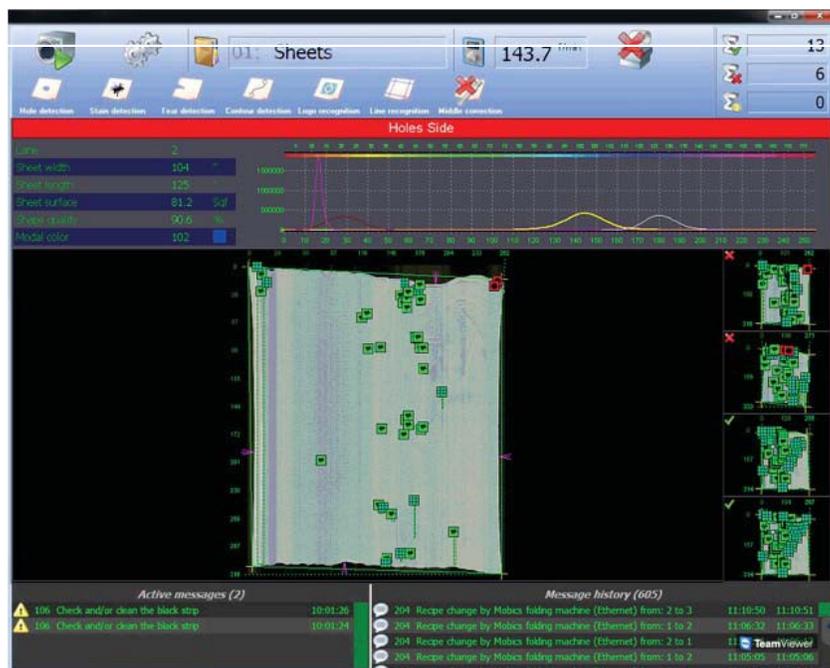




Mobics Ai Scan 3.0

The Laundry Industry's Most Advanced Automatic Linen Inspection and Quality Control Scanning System.

The **Mobics Ai Scan** automatically detects and recognizes stains, tears and holes to assure production and delivery of high quality bed and table linen. It can also classify, sort and count flatwork based on size, colour, patterning and/or logos. All parameters are touch screen customizable by colour, size and linen area to meet any progressive laundry operators needs. The **Mobics Ai Scan** has been specially developed for the high-volume laundry industry that insists on consistent quality control tailored to their specific needs and criteria. The system can handle large amounts of flatwork at high running speeds and has additional features to better manage the workflow and rejects.



Scanner features:

- Fits on every folding machine
- Stable and robust
- User friendly touch screen control
- Adjustable sorting/rejection for every type of linen
- Detection of lines and logo's on the linen
- Folding point correction for crooked sheets
- Suitable for both large pieces and small pieces like napkins and kitchen towels.
- Double side scanning
- Speed up to 65 meters per minute with full resolution
- Up to 6 lane operation
- High imaging resolution (1mm²)
- Choice of languages

The Mobics Ai Scan home screen shows real-time images of each piece as it's scanned.

Mobics Ai Scan can sort based on holes, tears, stains, flaws, hem quality, shape quality, colours, piping, logos, sizes and shapes. Sorting rules are user defined to specify what should be rejected for each specific type of detected condition. The rule can define an action (for example to reject when a specific minimum size hole is detected), activate a counter or perform a signalling action. Because of this, **Mobics Ai Scan** makes it possible to not only sort based on simple reject criteria, but also on multiple levels of quality according to customer's individual requests. It can also count and sort based on various properties of the linen itself.

Mobics Ai Scan divides large linen pieces into separate inspection zones. This makes it possible to use different assessment criteria, for example, for the side edges of a bed sheet which will be tucked under a mattress as opposed to the criteria for those areas which will be visible to the customer or guest.



Thanks to the automatic camera calibration and time triggered cleaning system, scanner performance will remain at its optimum level under all circumstances. Closed housing keeps dust out of the electronics, protects the sensitive parts of the system against ambient influences and maintains the overall integrity of the entire unit.

With optional third party software, The **Mobics Ai Scan** can be accessed from anywhere with an internet connection. This live view into the system allows for real-time monitoring, troubleshooting and system updates from an office computer, tablet or smart phone.

Automatic calibration and cleaning

Automatic calibration maintains scanner performance at its optimum under all working conditions. The automatic cleaning system keeps camera lenses free from dust. This keeps scanned image quality as high as possible. This system also allows the **Mobics Ai Scan** to have very low maintenance requirements.

Exclusive multiple light sources

The **Mobics Ai Scan** uses a total of 5 light sources for scanning. The light sources are alternated very quickly to get the maximum image information. Due to specially developed electronics and software, all light sources can be combined at the same time. **Mobics Ai Scan** is the only camera inspection system in the laundry industry that has this unique capability, making it the most advanced and versatile system available.

Exclusive back light

The **Mobics Ai Scan** is the only scanner that can scan linen with light passing through the textile. Mobics has developed a Light Emitting Target Strip. This makes detection of very light stains possible and stains that are only visible on one side. It can also detect very small or 'beginning' holes. The **Mobics Ai Scan** back light system is great for table linen, napkins and double sheets.

Exclusive hardware for shadow detection

With shadow detection the scanner is able to find creases and folds in linen. This clear distinction between folds and stains reduces the number of false detected stains. E.g. stains can be rejected where (light) creases are accepted.

Exclusive wide dynamic range

The **Mobics Ai Scan** is the only scanner that includes real-time wide dynamic range image processing. Therefore stains on dark linen can be found even on multi lane and mixed linen. This is fully automatic and always 'on'. It therefore does not require any user action or knowledge.

Colour processing

The **Mobics Ai Scan** uses advanced colour processing. Mobics has developed a unique colour space for the Ai scan, optimized for analysing linen. This makes it possible to treat different coloured stains in different ways.

Zones

The **Mobics Ai Scan** can divide sheets into zones. This can for example be used for bed sheets, so the area of the bed sheet which will be underneath the mattress will be analyzed using less strict criteria to those used for the visible part of the sheet.

Size / shape

Rejection of linen can be configured based on shape and/or size. Linen which can cause a jam in the folding machine can be recognized and rejected before it really causes the jam.

Advanced object recognition

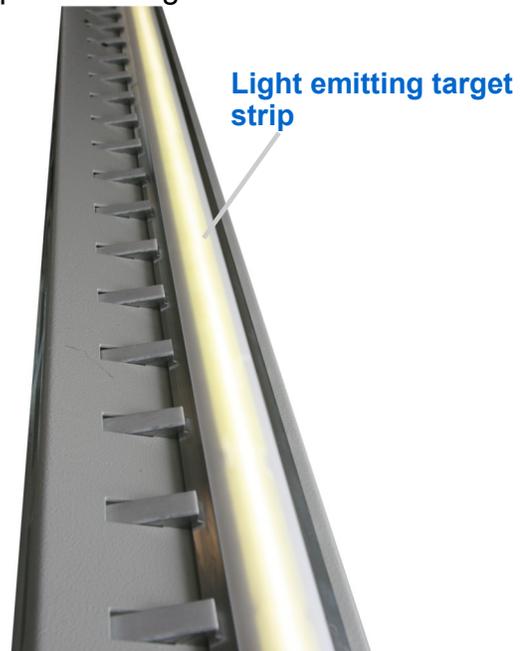
The **Mobics Ai Scan** uses advanced algorithms to classify objects on linen. This prevents linen from being rejected incorrectly.

Speed

The **Mobics Ai Scan** can process linen at up to 65 meters per minute, and up to 6 lanes parallel without loss of scanning quality or resolution.

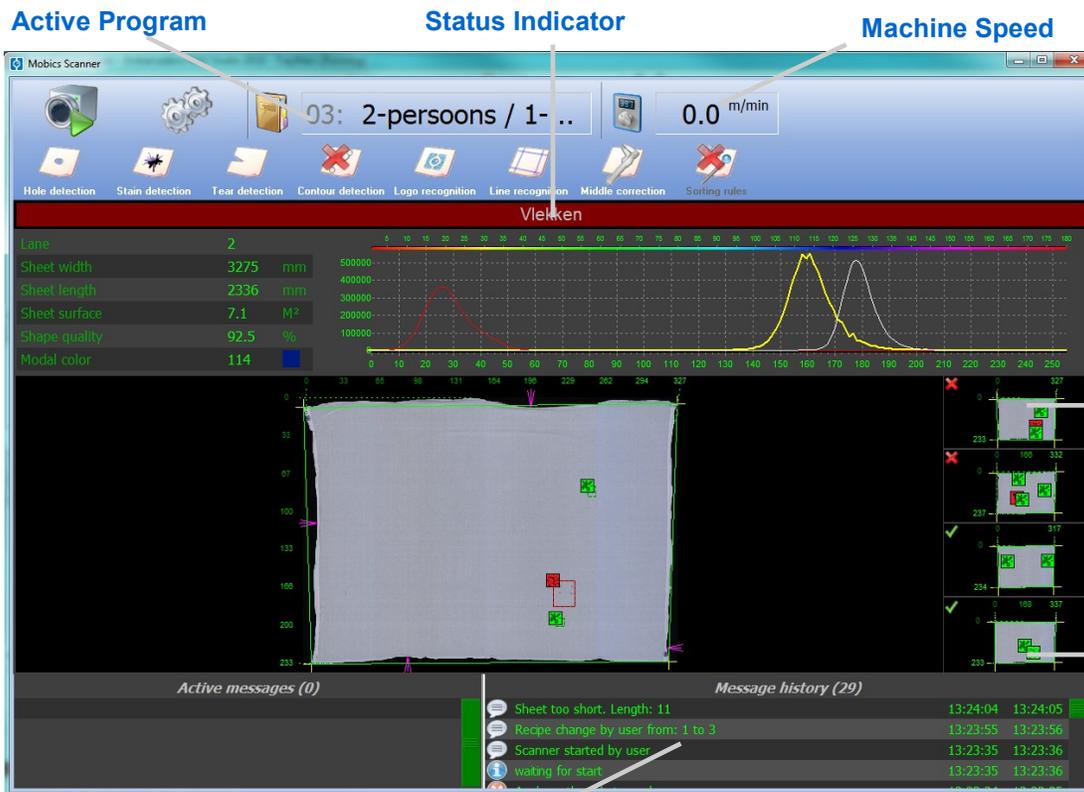
Automatic lane coupling

The **Mobics Ai Scan** is equipped with automatic lane coupling option. The scanner automatically couples lanes depending on piece size and where the centre of the piece is, without the need for the folding machine controller to provide that information. This is especially useful for small piece or combined large/small piece ironing lines.



Counting

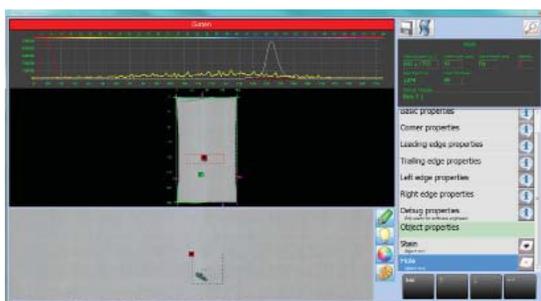
The **Mobics Ai Scan** has extended counting possibilities. The system counts based on size, color and markings on the linen such as lines or logo's. This provides a complete overview of the number of each type of item processed, the number of pieces rejected, and the reason(s) for any rejections. An electronic snapshot of the scan of every rejected piece can be stored and available for review. Selected images can be sent to the end customer for billing purposes or to demonstrate the quality of linen being sent to the laundry for processing, enabling the laundry to maximize revenue per piece processed for the customer.



Overview Screen: 1 Sheet

Message History

Images of Recently, Processed Pieces



Sheet Detail Screen



Overview Screen: 6 Lane Processing

Mobics B.V. designs and creates automation software for the (high volume) laundry industry and image processing software for 360° panoramic photo's like Google Streetview.

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