

## Print control imaging system





# Wise Print

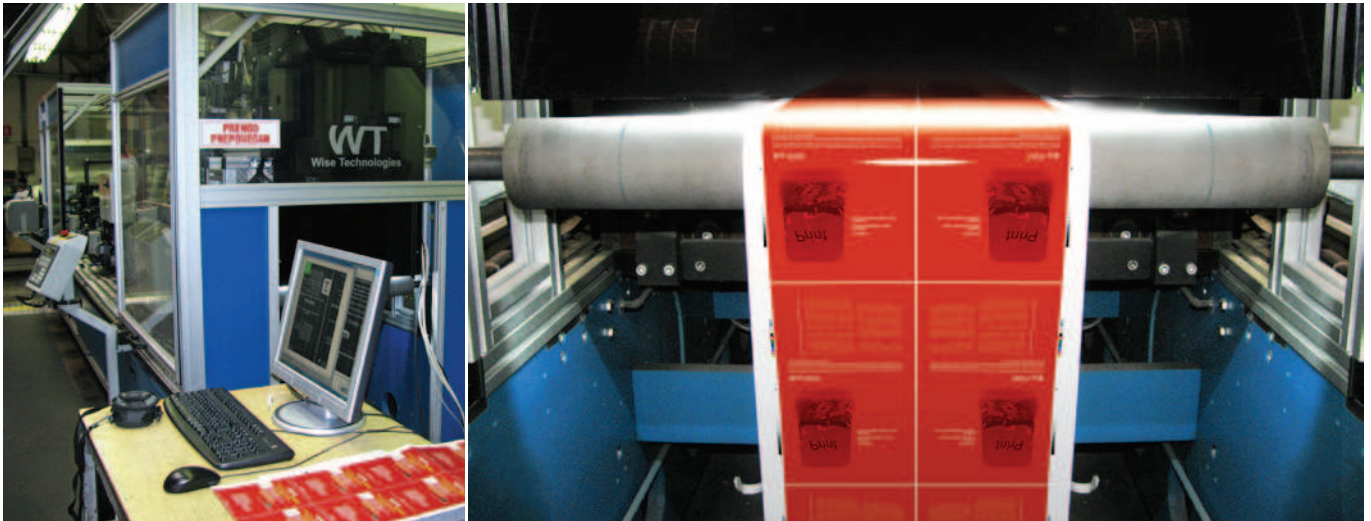
100% reliable control in  
100% of the production time

Wise Print enables error detection in stationary and variable print components. Stationary part of the print is the same for all printed material, whilst the variable print changes. Control of the variable print components involves optical character recognition, verification of bar or matrix codes and all other parts of the printed material that vary according to a specified pattern.



## The main benefits of Wise Print implementation:

- Increased production capabilities
- Elimination of manual control costs
- 100% reliable control in 100% of the production time
- Elimination of reclamation costs
- Enhanced reputation and client confidence in your service



Wise Print system

## System

Wise Print includes a simple user interface for learning the printing sheet template. Printing sheets are usually separated by markers. Partition marker between sheets is determined in the user interface. This enables Wise Print to automatically follow the sheets and separate them, without the necessity for additional sensors (e.g. for marker reading).

Printed matters can be arranged in a  $m \times n$  matrix on a printing sheet. For each printed matter we can separately teach what needs to be checked. If all printed material is the same, it is possible for only one template to be taught and then reproduced throughout the entire sheet.

A single printed matter allows for the checking of a serial number, bar code, matrix code, color, stains, inclusions, abrasions, defective prints, offset printing, etc.

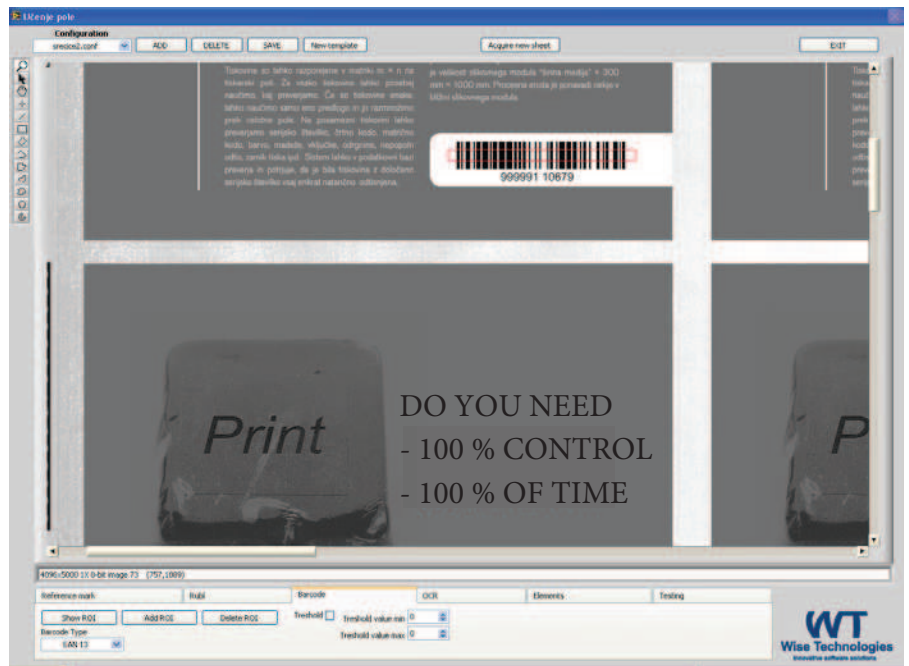
The system is able to check and confirm in the database a single correct stamping of a printed matter with a specific serial number. If a printed matter turns out to be of a poor

quality, its serial number is saved and sent to re-printing. The latter Wise Print functionality is extremely suitable for the control of printed matters that are of a value.

[Wise Print can be installed on a new or used printing device.](#)

The system consists of an imaging module and a processing unit with a user interface. Imaging module size is generally "medium width"  $\times 300 \text{ mm} \times 1000 \text{ mm}$ . Processing unit is usually somewhere near the imaging module. The system uses multi-core processing in real time for maximum reliability and achievement of the stated efficiency. Wise Print imaging module is easily portable. If necessary, the same system can be transferred to the machine that currently requires print control.





Wise Print user interface

Capacities of the Wise Print system components can be tailored to meet your requirements: medium speed, width control, minimal error, required control parameters, etc. Thus, the optimal performance-price ratio is attained.

The investment is usually repaid in less than a year.

An example of configuration capabilities for controlling stationary and variable printing is: OCR checking 10,000 characters per second, medium speed 100 m/min, medium width 400 mm, and minimum error size 0.4 mm × 0.4 mm.

When controlling smaller-scale variable part of the print, medium speed can be relatively higher. Control width is flexible.

Wise Print was installed and tested in the production facilities of reputable printing enterprises.

More on [www.wise-t.com](http://www.wise-t.com):

For more information about the Wise Welding product, references and other products, please visit Wise Technologies website.

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