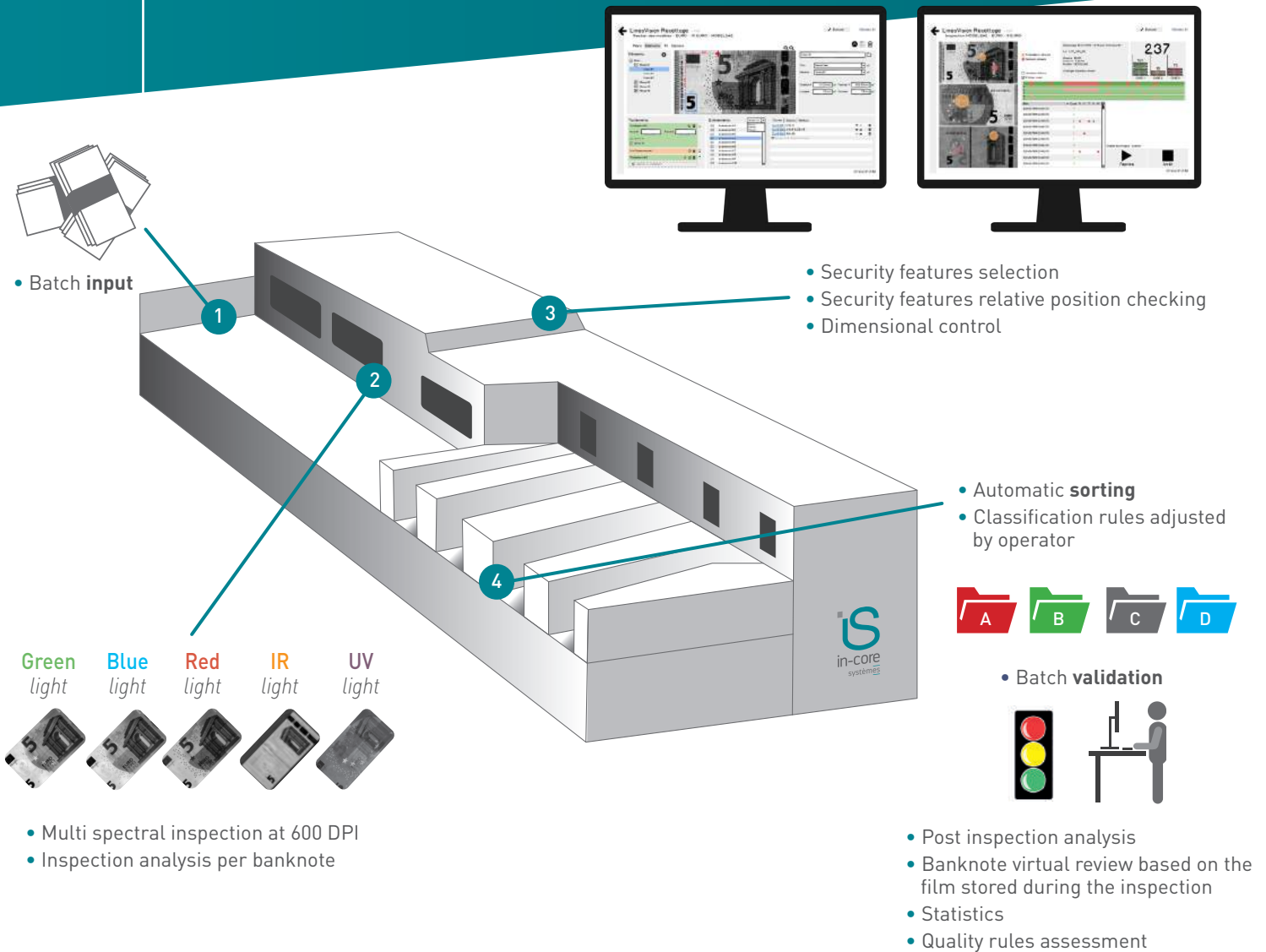# ZEROdefect

AUTOMATIC BATCH VALIDATION SYSTEM

INSPECTION AND
TRACEABILITY SOLUTIONS

iS
in-core
systèmes

AUTOMATIC **BATCH VALIDATION SYSTEM**

- Batch **input**

1

3
- Security features selection
- Security features relative position checking
- Dimensional control

2

- Automatic **sorting**
- Classification rules adjusted by operator

A   B   C   D

in-core
systèm**es**

4

Green *light*	Blue *light*	Red *light*	IR *light*	UV *light*

- Multi spectral inspection at 600 DPI
- Inspection analysis per banknote

- Batch **validation**

- Post inspection analysis
- Banknote virtual review based on the film stored during the inspection
- Statistics
- Quality rules assessment

WHY

To qualify, validate and trace the quality of the produced batch

WHO

- **Printers** to validate the manufactured banknotes before realizing the batch
- **Central Banks** for final validation before putting into circulation

HOW

Camera based solutions of high resolution analysis. Main benefits are:
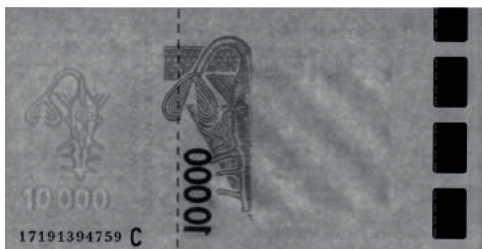
- **Modularity**, allowing the integration of quality control of new security features
- **Higher speed**, reducing the batch validation time from several days to a few hours
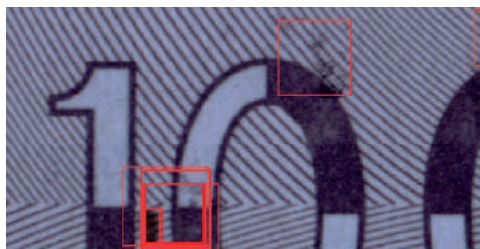- **Reliability**, based on NOT SUBJECTIVE control
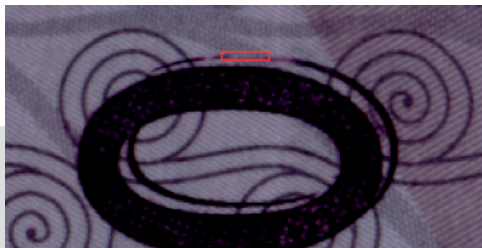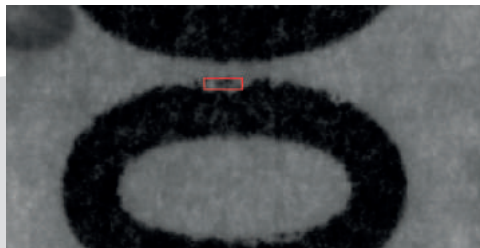
Batch analysis

Transmission IR

See-through number printing
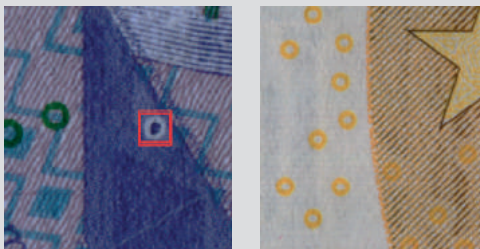

Intaglio printing

OVMI printing

Numbering inspection

Offset printing

OUR RANGE OF **SERVICES**

SYSTEM SPECIFICATIONS

- Evaluation of your needs
- Feasibility study
- Customization
- Definition of project
- Flexibility/adaptation to future needs

COMMISSIONING

- Installation
- Training
- Start-up

GOLD SUPPORT

- Telephone hotline
- Technicians
- Remote access
- Application consulting

SERVICES

- Onsite repairs
- Spare parts
- Preventive maintenance