

# RTSM - RFID Inline Test and Marking System

## RFID Test and Marking System for Inline Quality Control in Production Machines

The RTSM is designed for the inline quality control during the production of RFID components such as smart inlays, smart labels and tickets.

This high performance modular system is available in 3 different versions and can handle up to 8 lines in one production machine simultaneously for testing and ink jet marking of bad labels.

RTSM can be integrated into new and used production machines.



GENERAL DATA OF RTMS	
RFID Reader System	13.56 MHz UHF on request
Supported RFID chip types (Standard)	<ul style="list-style-type: none"> <li>• Infineon My-D (ISO 15693), S (secure), P (plain)</li> <li>• Philips I-Code 1, I-Code SLI (ISO 15693)</li> <li>• Philips I-Code</li> <li>• Philips Mifare UL, 1k, 4k</li> <li>• ST-Microelectronics LR512</li> <li>• Inside Contactless PicoTag 2K, 2KS, 16K, 16KS</li> <li>• TagSys GemWave C210, C220, C240</li> </ul>
Tag test type	GetID
Bad tag marking	High performance ink jet valve - Other marking systems on request

RTMS SERIES	<i>RTMS-20</i>	<i>RTMS-40</i>	<i>RTMS-60</i>
Max. units of reader / marker	1	2	8
Control system	Infineon Microcontroller	Embedded PC	19" Embedded PC
Max. Throughput per reader unit - testing only	6 tags / sec.	10 tags / sec.	12 tags / sec.
Max. Throughput per reader/marketing unit - testing and marking	3 tags / sec.	5 tags / sec.	8 tags / sec.
Typical production speed for smart labels - min. distance between two labels = 5mm)	20 m / min.	40 m / min.	60 m / min.
Tag (Pre-) Personalization	NO	YES (simple)	YES
User Interface	Touch Display (160x80 Pixel)	Touch Display (160x128 Pixel)	15" / 17" TFT Display, Keyboard or Trackball
Host Interface	Optional Serial Interface	TCP/IP Ethernet	TCP/IP Ethernet