

# UNI-MX **NEW GENERATION** TAPE & REEL



**UNIVERSAL FOR  
ALL PACKAGES**

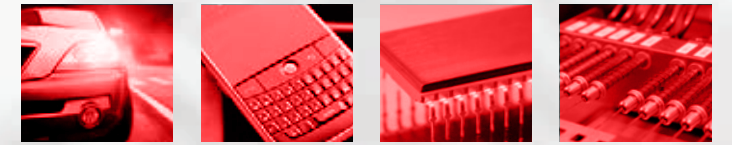
**ZERO DEFECT  
DESIGN**



TECHNOLOGY GMBH

UNI-MX NEW GENERATION TAPE & REEL

# UNI-MX NEW GENERATION TAPE & REEL



## Facts

- Universal Tape & Reel for all packages
- Designed for all in- and output carrier
- Zero defect design
- Easy and fail-proof operation
- Multiple quality assurance
- 100 % modularity
- Best price / performance ratio
- Maximum uptime
- Maximum throughput at highest performance

## Key Figures

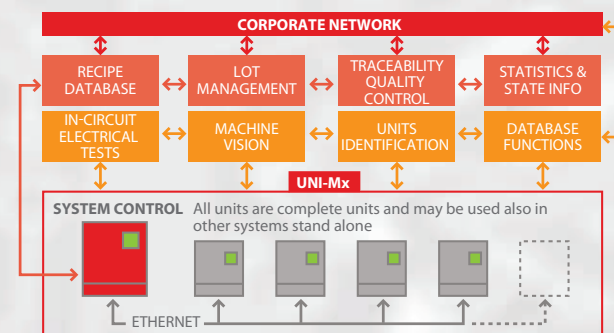
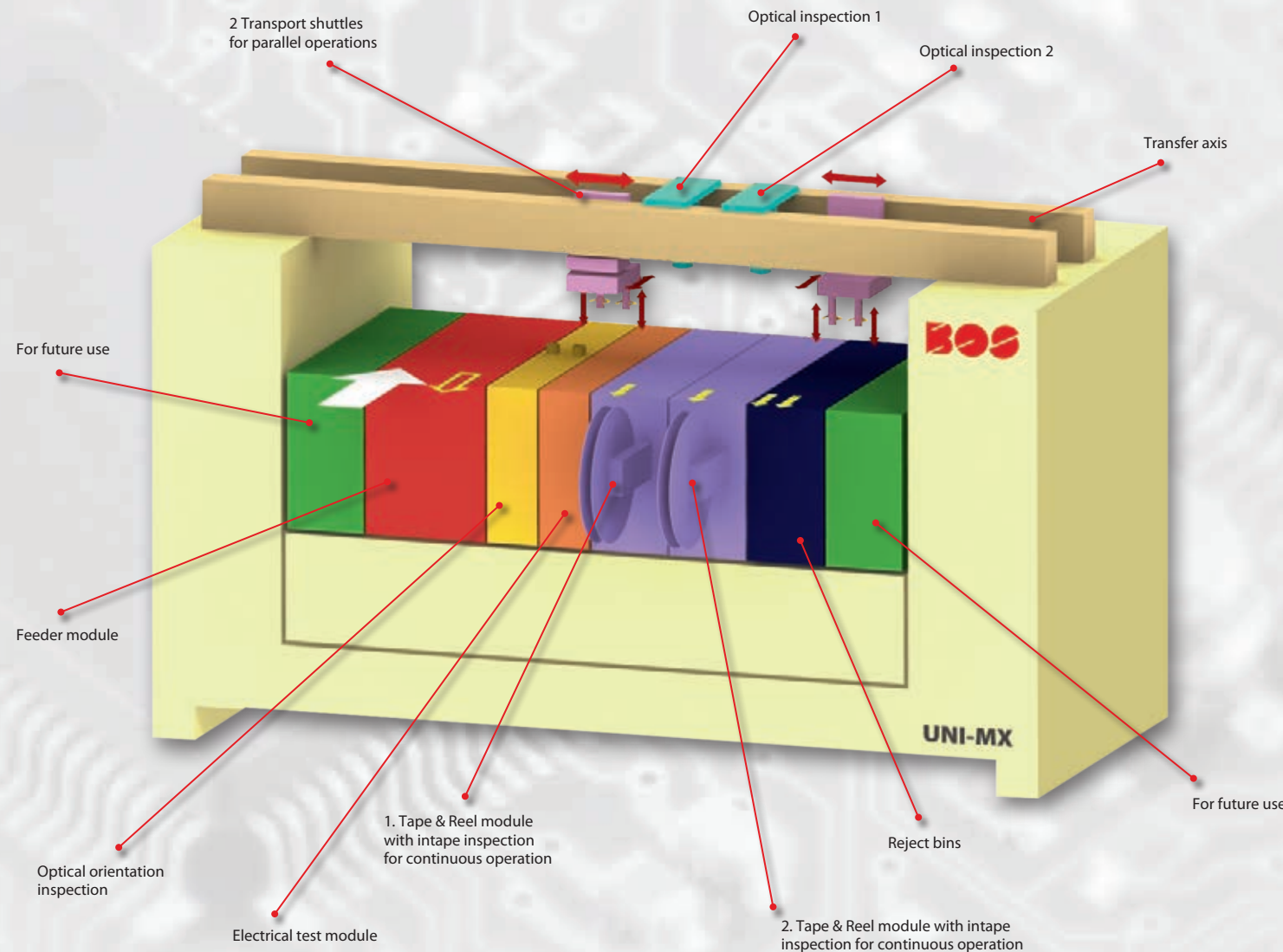
- Completely self controlled modules, open architecture to enable any further extensions
- Outstanding universal: kits for all packages in all input- and output-versions possible
- Simple and guided conversion with minimized adjustments
- Loading and unloading without need to stop system
- Outstanding simple operation and maintenance by easy accessibility
- Optimized throughput by parallel processing

## Measurement Modul

- SPI tests
- Analog tests
- In circuit tests

## Optical Control

- OCR
- 1D / 2D barcodes
- Geometry analysis (2D and 3D)
- Customer specific control data



## Throughput

Minimum Index Time 250 ms

- Automatic input and intape inspection including fail binning

Typical Index Time 500 ms

- Automatic input, electrical tests and optical inspection including fail binning

## APPLICATIONS

### Packages

Actual

- MLF (QFN) 2 x 2, 3 x 3 and customer special packages

In development

- SOIC, PLCC

Optional

- Nearly all JEDEC packages and customer special packages

### Input

Actual

- Metal single trays
- Tubes
- Metal magazines

In development

- InCarrier™ (licensed by Multitest)
- Frame (4" and 6" Versions)

Optional

- Alternate carrier systems
- Bulk (bowl or linear feeder with direction correction)

### System Functionality

- Completely connected to customer CAM system
- Machine may be applied as single system or part of a complete line (950 mm table docking height)
- 100 % device tracking including Test and Tape & Reel when InCarrier™ in use
- Providing all relevant operations and failure statistics
- Password saved manufacturing data base
- Total software based quality control

FOR MORE  
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# UNI-MX NEW GENERATION TAPE & REEL



TECHNOLOGY GMBH

**Founded 1992:** Design, Development and Manufacturing

- Automation for ATE
- Safety Technology Systems
- Environmental Technology Systems

**Restructured 2004:** Concentration on Core Activities

- Automation for ATE Tape & Reel Systems
- Life Detection Systems
- Environmental Technology (BOS Technology)

**Key Activity:** ATE Automation Tape & Reel

- 2009 Development and shipment of first new generation universal Tape & Reel unit: UNI-MX
- > 150 Units delivered
- Key customers: Epcos, Bosch

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