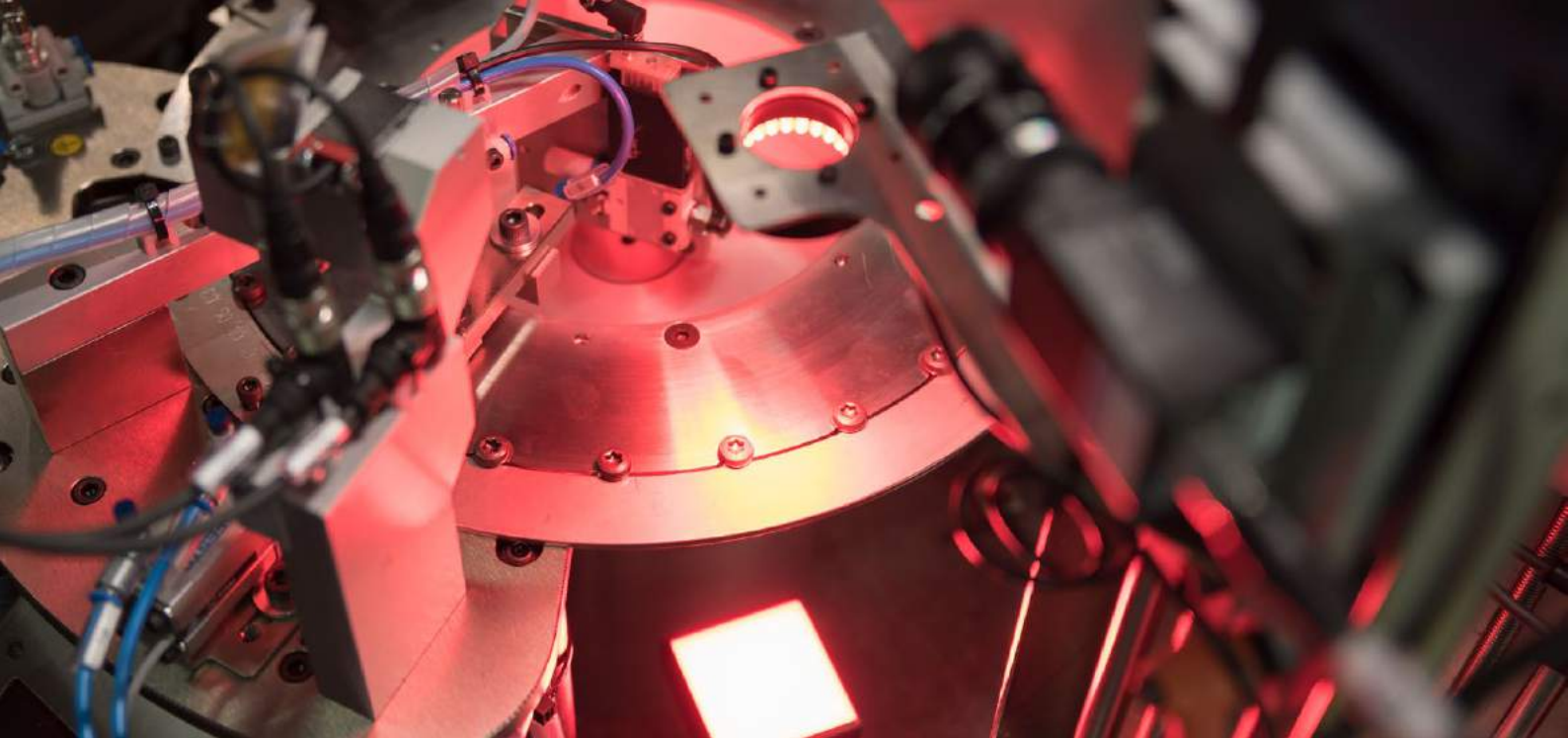# *i*300 3.0

Inspection
system

NEW **3.1MP** CAMERA
50% MORE ACCURATE

Regg Inspection designs and manufactures **high quality inspection systems** with modular design.

Regginspection

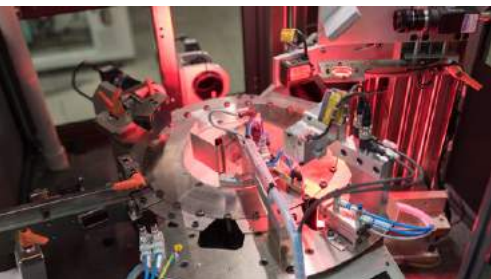HIGH PRECISION INSPECTION SYSTEMS

Feeding

- Fully Integrated feeding system for smooth and fast inspection.
- Widest choice of feeding system depending on inspected part.
- Single piece loading or fast continuos loading.
- Ready to accept customer's feeding systems.

Positioning

- Wide rotary table for fast and accurate inspection.
- 300 mm (11.8") dia. rotary table, the widest in the industry.
- All parts are always in a traceble position from entrance to exits chutes.
- The widest rotary table in the industry for higher inspection modules.
- Up to six (6) inspection modules plus two (2) exit chutes.
- Internal part of the table stationary for easy positioning
  of inspection devices and accessories.
- Robust module frames and supports for precision and durability.
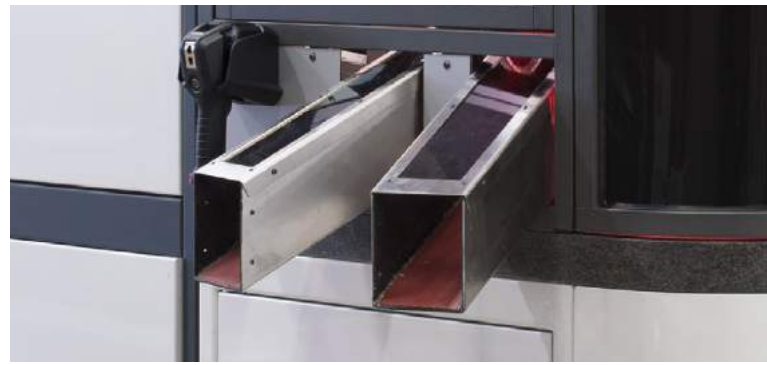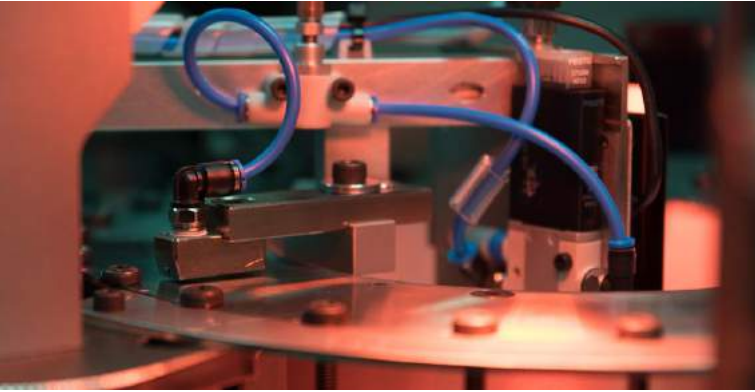
Control

- Camera modules.
- Latest vision technologies.
- High resolution digital Firewire / USB 3.0 / GigE cameras.
- Special Ultra-High resolution camera for controls.
- Highest quality bi-telecentric optics.
- Telecentric high-performance illuminators.

Exit **chutes**

- Two exit chutes
- Packing
- Conveyors

Peripheral **equipments**

- Vacuum system
- Marking systems
- Teleservice
- Barcode scanner

FEATURES AND BENEFITS

Machine **design**

Modular Design

Possibility to upgrade the machine with additional inspection modules for a calibrated investment.

One layer granite base foundation for strength and stability.

- The most robust machine in the industry.
- Granite base symmetry and flatness less than 0,0004" (0,01 mm).
- Granite base stability for vibration inhibiting due to plant machine operation, other plant operating machinery, vibratory feeders, etc.

Highest quality pneumatic, electric and mechanical components for reduced maintenance and increased up time.

Surround enclosure designed for ease of sight and ease of entry for operator and management.

Wide doors on any machine side with safety switches for easy machine access for easy change over and maintenance. **Swinging operator panel** easily accessible in all positions.

Machine **control**

Easy and intuitive Human Machine Interface (HMI) both for operators and programmers.

- Wide Touch screen control panel.
- All controls integrated into one screen.
- Help on line for easy troubleshooting.
- All data and trend visible.
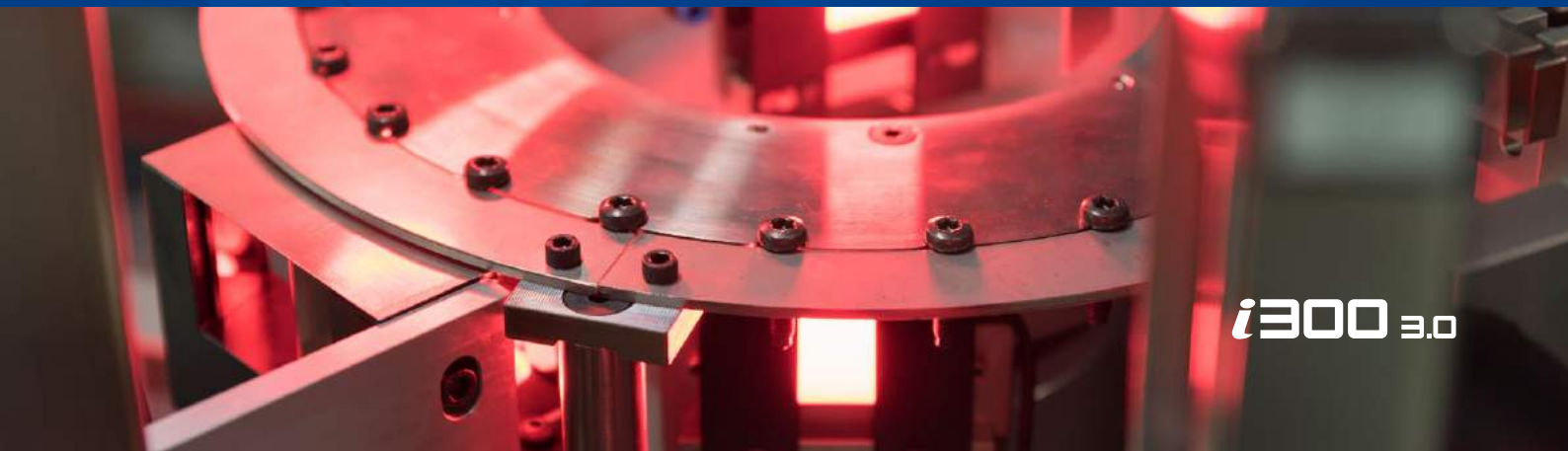- All data recorded and exportable via USB or WiFi.

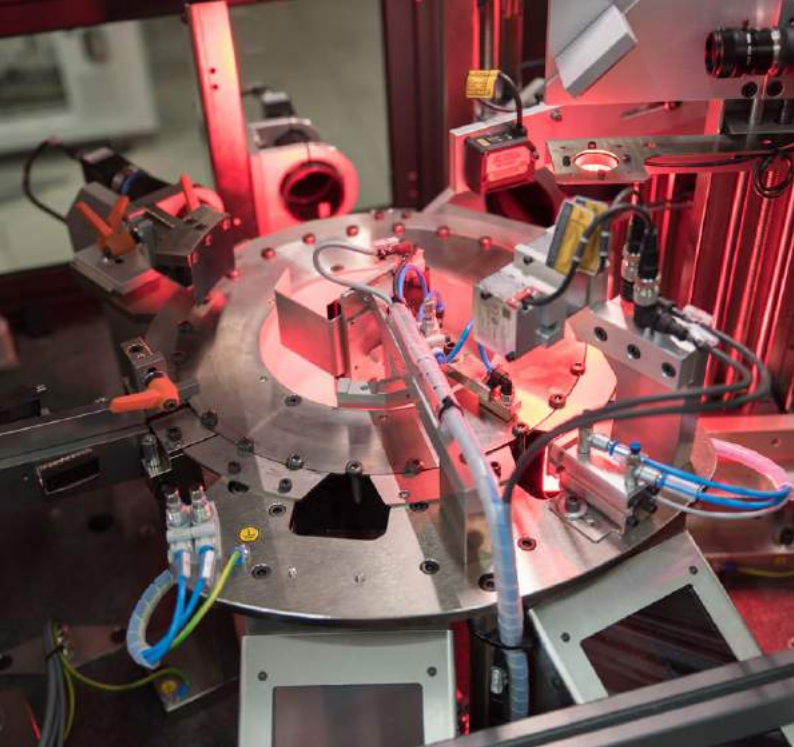**Two onboard computer for ideal seperation of system functionality and operational assurance.**

- Industrial Computer for program software utilizing Windows 7 operational software.
- PLC computer for managing support equipment including, table rotation, units synchronization, loading and off-loading. Fanless Industrial PC for durability and reduced maintenance.

Two separate and sealed electrical cabinets for reduced interference, easier maintenance and longer electrical components life.

Built-in cpk function. Anti-locking device to minimize manual intervention.

- The table tries to disengage itself automatically in case a part is blocking the table.

*i*300 3.0

Modular design

The machine can be equipped with vision systems, mechanical recess control, 360 degree profile control, eddy current crack detection, hardness control, and other special applications.

Skilled staff

The company has a highly skilled technical staff, which is able to design and manufacture the highest quality inspection systems in the market.

Service

Service center with skilled technicians are based in all main markets.

Machine specifications	i300	i300-HS
Min / Max dia. (mm)	M2.5 - M12	M2.5 - M12
Min / Max lenght (mm)	3 - 100	3 - 100
Max camera number	5	5
Mechanical controls		•
Eddy current control		•
Hardness y/n		•
Table type	Steel	Steel
Max speed (pcs/min)	450	650
Dimension (mm)	950 x 1000 x 2000	
Weight (kg)	550	

Regginspection

HIGH PRECISION INSPECTION SYSTEMS