



# i600 5.0

## Inspection system



NEW **5.0MP** CAMERA  
**20% MORE ACCURATE**  
COMPARED TO **i600 3.0**

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

 **Regginspection**

HIGH PRECISION INSPECTION SYSTEMS

[www.regginspection.com](http://www.regginspection.com)



## Feeding

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



## Positioning

- Wide rotary table for fast and accurate inspection.
- 600 mm (23") dia. rotary table, the widest in the industry.
- All parts are always in a traceable position from entrance to exit chutes.
- The widest rotary table in the industry for higher inspection modules.
- Up to eight (8) inspection modules plus five (5) 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.
- High-performance telecentric illuminators and backlights, rated IP65.





## Exit chutes

- Up to five exit chutes, to differentiate several types of good parts or reject parts.
- Optional packing and conveyors.



## Peripheral equipments

- Vacuum system.
- Marking systems.
- Remote service connection module.
- Barcode scanner.

# FEATURES AND BENEFITS

## Machine design

### Modular Design

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

### Granite base foundation for strength and stability.

- The most robust machine in the industry.
- Granite base dimensions 1350 x 1280 x 90 mm (53" x 50" x 3,5").
- 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 separation 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.

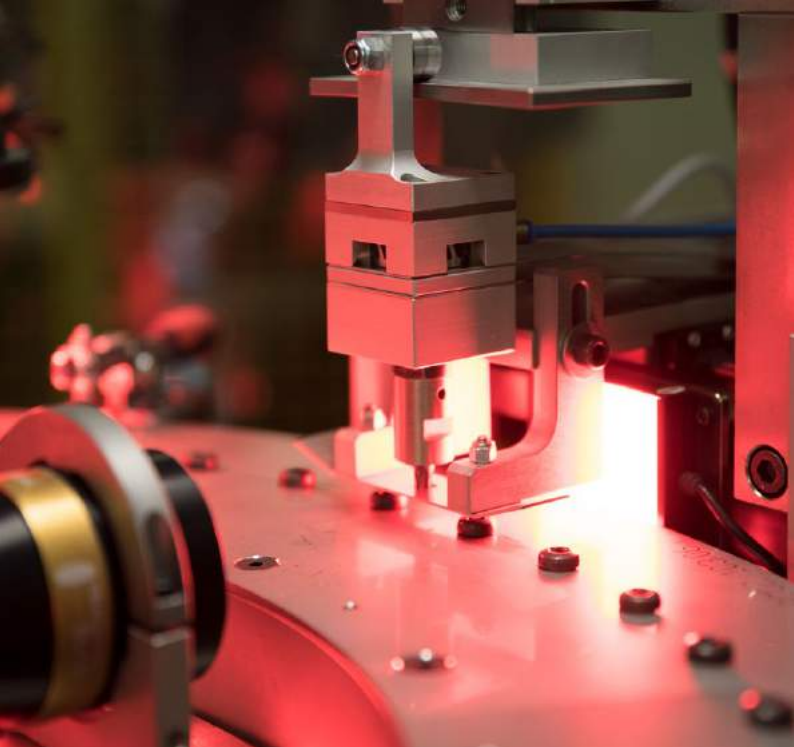
**Three separate and sealed electrical cabinets** for reduced interference, easier maintenance and longer electrical components life.

**Built-in cpk function. Automatic controls of machine functionalities. Anti-locking device** to minimize manual intervention.

- The table tries to disengage itself automatically in case a part is blocking the table.
- "Repeat" function to double check an out of range part.



600 5.0



## Modular design

The machine can be equipped with vision systems, mechanical recess control, 360 degree profile control, eddy current crack detection, laser checking, laser marking and other special applications. Our machines are custom-tailored based on our customers' needs.

## 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 centers with skilled technicians are based in European, American and Asian markets.

Machine Specifications	i600	i600-L	i600-M
Components	Small fasteners (M3 - M20)	Medium/Large fasteners (M4 - M12)	Mechanical components
Min/Max Dia. (mm)	4 - 45	4 - 45	2 - 70
Min/Max Length (mm)	6 - 160	12 - 250	3 - 160
Max Camera number	5	5	5
Mechanical controls	•	•	•
Laser controls	•	•	•
Eddy current control	•	•	•
Exit chutes	1 + 2	1 + 2	1 + 4
Max Speed (pcs/min)	500	500	120
Dimension (mm)	1500 x 1500 x 2200		
Weight (kg)	1400		

All specifications are subject to change without prior notice. All pictures are for reference only. © Copyright REGG Inspection S.r.l.



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