



**Bonfiglioli**<sup>TM</sup>  
Engineering





# THE COMPANY

- Since it was founded in Ferrara ITALY 1974, Bonfiglioli Engineering has continuously invested, innovated and evolved, becoming a Global Leader in CCIT
- Bonfiglioli Engineering provides its clients with solutions customized to their product and needs, giving us an edge over the competition.



**46 + Years  
of  
Experience**

**We Export  
90% Of  
Production**

**60% Of  
Machines  
Destined to  
Pharma**


**20 + Mln  
Turnover**

**80 +  
Employees**

## About Us

We are your packaging inspection and integrity solutions partner serving the pharmaceutical, food & beverage, metal can, aerosol, chemical and personal care industry

- More Than 5000 Machines Worldwide
- Over A Decade Of Experience In Visual Inspection
- Expansive Pharma Portfolio, From Vials To IV Bags
- Evolving Expertise And Continuing Innovation
- Innovation Is Our Driving Force



Engineered and manufactured  
at our state-of-the-art facility  
in Italy

**Your Challenge**  
**Our Solution**  
**Your Success**

# COMPANY HISTORY

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**1974**

Company Foundation with first ingenious leak testing machine for plastic containers.

**1988**

Bonfiglioli, engineered and manufactured its first patented pharmaceutical package testing in-line rotary equipment.

**2013**

Innovation into Visual Inspection Technology with the launch of PK-VIS in-line rotary series.

**2019**

New premise and manufacturing area (11,000 sq. meters) with optimized lean approach.

**1985**

Bonfiglioli begins producing package integrity equipment for the cans and aerosol market.

**2012**

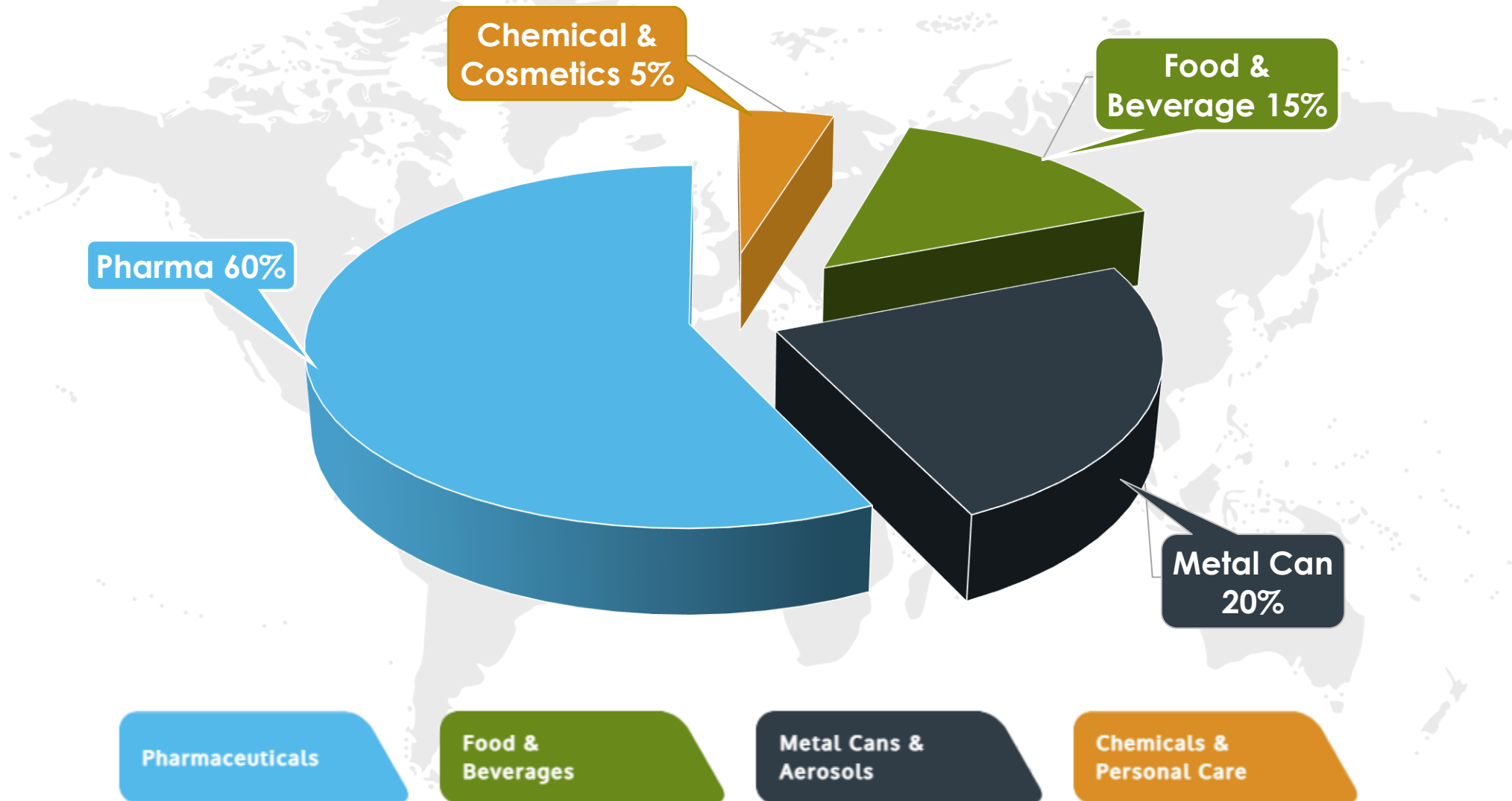
Acquisition by Tasi Group

**2014**

Breakthrough in all-in-one solutions combining Headspace Gas Analysis with Vacuum Decay Method.



# SALES DISTRIBUTION



# BE GLOBAL NETWORK

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- Global Presence
- Agents, On-Site Assistance
- Remote Assistance





# TECHNOLOGIES

## Leak Detection/CCIT

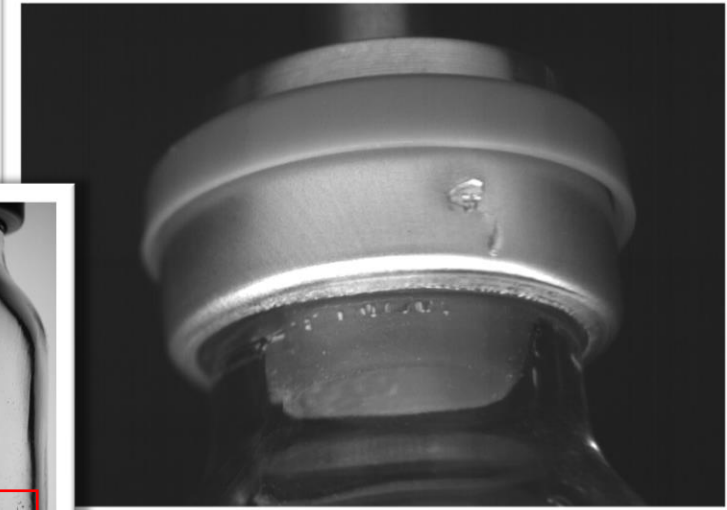
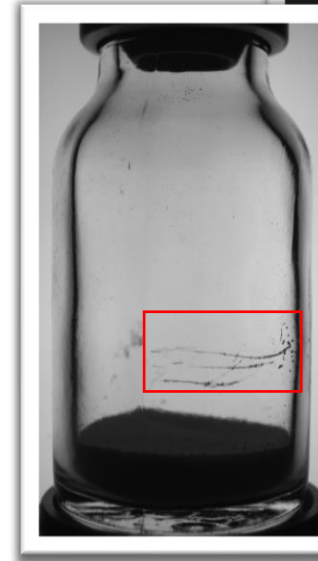
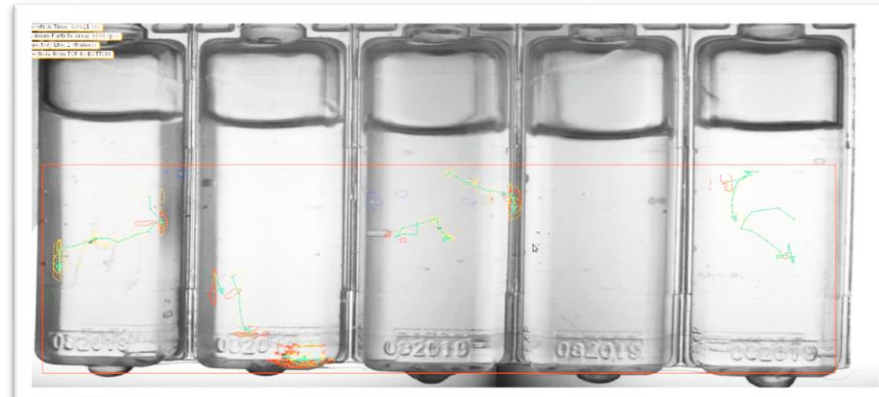
- Recognized in USP 1207
- Customized for each product
- Vacuum Decay mode F2338-09
- Pressure Decay mode E2390-13
- Extensive machine portfolio
- Unique innovations such as lid displacement or dual testing cycle
- Feasibility test for special products
- Scalable LAB application



# TECHNOLOGIES

## Visual Inspection AVI

- Recognized in USP-790 / USP-1790
- Customized for each product
- Performed via camera acquisition
- Multiple inspections can be done simultaneously
- Possible design for inspect both lyo & liquid in the same mc
- KNAPP test Validation Approach



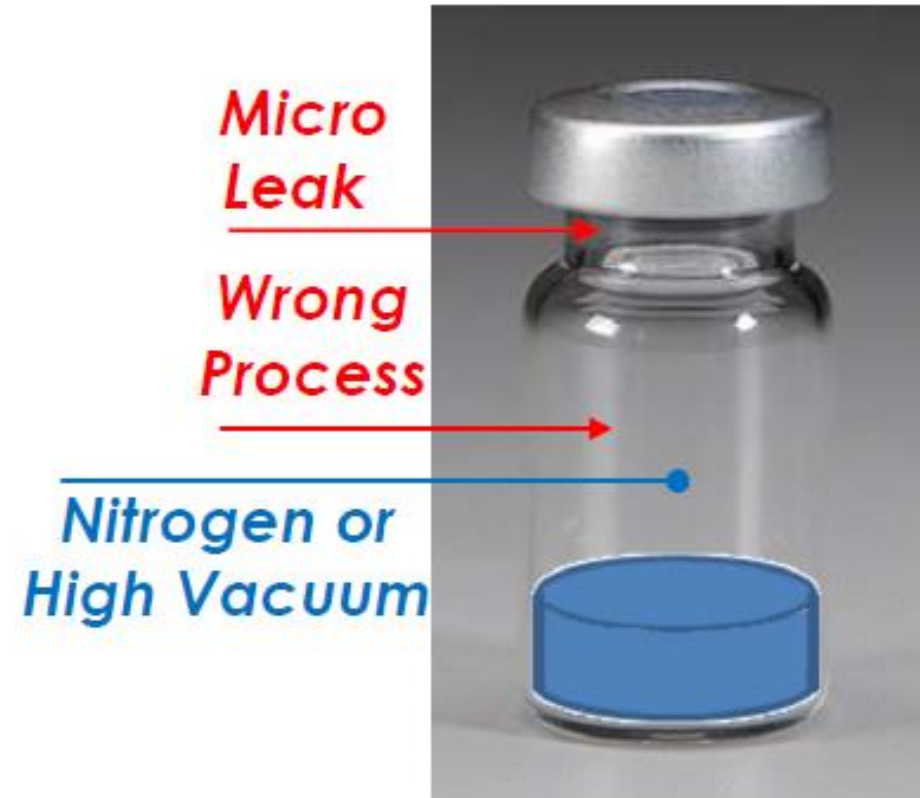


# TECHNOLOGIES

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## Head Space Gas Analysis (TDLAS)

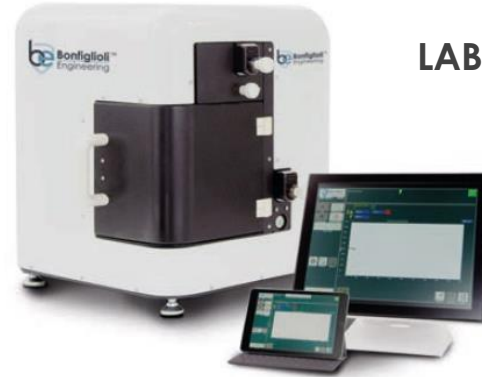
- Recognized in USP 1207 as CCIT (in special conditions)
- Process control for 100% safe parenteral devices
- Based in Oxygen or Moisture absorption
- Validation Standards production & certification
- No Nitrogen purging required
- Applicable for not completely transparent products



# PRODUCT PORTFOLIO



**LAB CCIT**



**LAB HGA**



**IN-LINE / OFF-LINE  
CCIT, HGA, VI**



**IN PROCESS CONTROL**

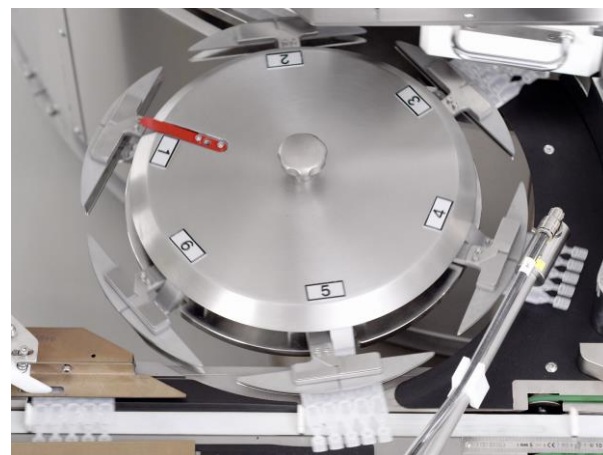
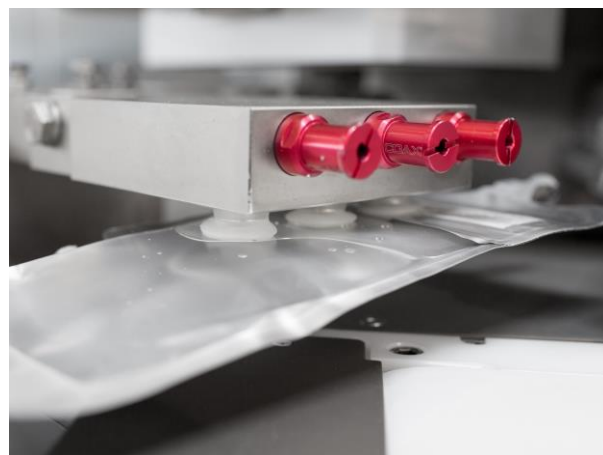
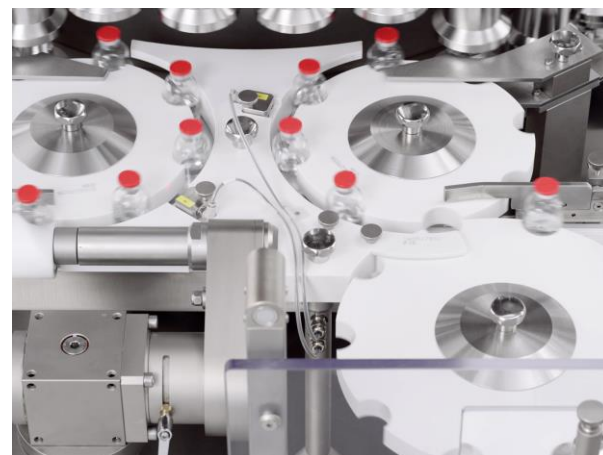
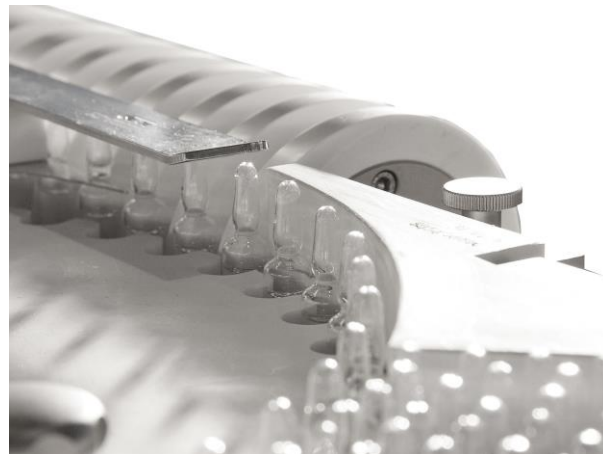
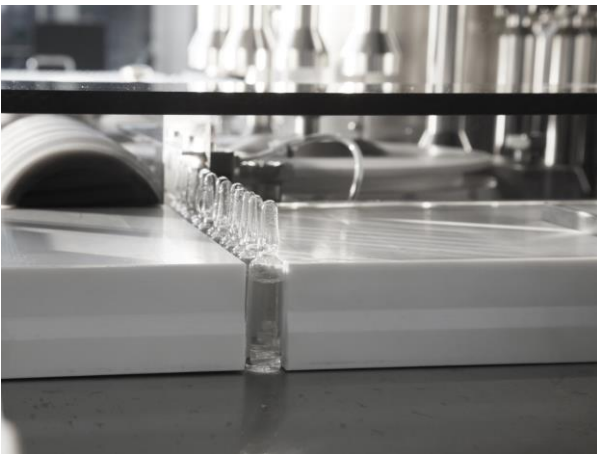


**COMBINED SOLUTIONS CCIT/HGA/VI**

# OUR CUSTOMERS







THANK YOU



YOUR CHALLENGE. OUR SOLUTIONS. YOUR SUCCESS