

Make us think

teknics



■ AUTOMATION
SOLUTIONS

■ ROBOTICS
SPECIALISTS

■ METROLOGICAL
AND AESTHETIC
INSPECTION

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tekhnics: Your partner in automation process

tekhnics is an innovative company specialised in assembly, testing and packaging, integrating the latest technologies. We design and build tailor-made solutions to automate production in the medical, pharmaceutical, cosmetic, automotive and food industries.

We have extensive experience in the needs and processes of the dental sector.

Our value comes from the combined experience of more than 130 professionals with a track record of over 30 years in engineering and building tailor-made machinery. This experience has taught us that attention to details is essential for achieving good results. That is why we follow a methodical, logical and organized working process, controlling every step without losing sight of our goals.



DentalTest DT100: Automatic Quality Control for Dental Sector

To address the evolving automation requirements of the dental sector, we have developed the DentalTest DT 100—a solution tailored for dental implant and abutment manufacturers.

Our Dental Quality Station employs artificial vision technology powered by Deep Learning neural networks, enabling the detection and analysis of aesthetic defects.

The system can be configured for multiple formats, allowing end users to add new models autonomously. Additionally, an exit system with categorization of faulty parts can be integrated.

Its compact dimensions, together with an operational range of over 24 hours, make it easy to integrate with the customer's production process.

Aesthetic defects inspection: implements an intelligent vision system using Deep Learning technology. Sorting defects by type, such as scratches, burrs, or spotted surfaces...

Robot: handles individual parts for precise Pick & Place operations.

Automatic Tray System: an automatic buffer feeding system that increases the autonomy.



Metrological Dimensional inspection: employs a vision system for dimensional verification.

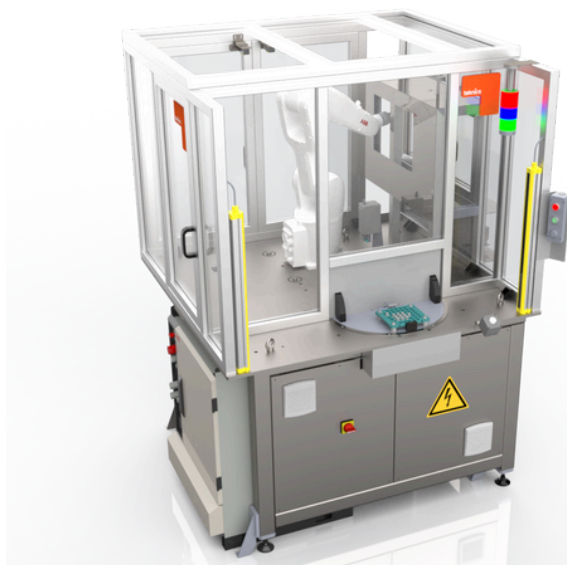
Flexible Feeding System: allows working with a wide variety of product families, including epitoidials, scan bodies, pillars, screws, implants, analogues, transfers...

Optional Interchangeable Robot Grippers: allow handling highly variable product families



Robotic Station for Laser Marking

- A modular and compact station that enables the automation of product batch marking at an existing laser station.
- The laser system enables the permanent marking of instruments, implants, and equipment with essential information such as serial numbers, barcodes, logos, and unique device identifiers (UDI).
- This process guarantees traceability, regulatory compliance and the integrity of dental instruments.



Robotic Station for Sandblasting

- Station composed of an entry and exit system for trays with products, a robot, and sandblasting equipment.
- Sandblasting enables the preparation of dental surfaces by directing a controlled flow of abrasive particles.
- This system is an alternative to traditional dental drills, and allows automatic processing of different product batches without the need for an operator.

