



COMPANY

PROFILE



MASMEC

ABOUT US

We design and provide devices for the medical and biotech sectors with the main goal of **improving quality of life and health care for all**.

We are a team of experts from different domains: computer science, electronics, biomedical engineering, biology. Together we create medical devices allowing to treat diseases **faster and more effectively** in comparison with traditional techniques. We are mainly engaged in early detection of cancer and in minimally invasive surgery, for which we provide easy-to-use and versatile navigation systems.

At the same time, we foster the **progress of life sciences** through biotechnologies, which offer great chance for molecular diagnostics, genetic research, personalized medicine.

We specialize in:

- **medical navigation systems** for diagnostic and interventional procedures
- **liquid handling workstations** for DNA and RNA extraction and sample preparation for research and analysis labs.

In these fields, we aspire to do more every day, with passion and determination and with the expertise coming from MASMEC S.p.A., a world leader in mechatronics, robotics and signal processing technologies.



We improve health care and support professionals in everyday work through advanced biomedical technology, focusing on cancer early diagnosis and minimally invasive surgery.

We want to contribute to the best possible health care system.

MEDICAL NAVIGATION SYSTEMS

We develop medical navigation systems for diagnostic and interventional procedures. These devices, such as SIRIO and ORION, by using tomographic images, provide medical specialists with real-time visual support and help them operate accurately and quickly on little or hard-to-reach targets. Hence they offer the twofold benefit of reducing risks and increasing procedure efficacy.

SIRIO system supports interventional physicians when performing percutaneous procedures such as biopsy and thermal ablation on various anatomical districts (lung, bones, kidneys).

ORION is a powerful navigation system for minimally invasive ear, nose and throat surgery and skull base surgery performed under endoscopic or microscopic guidance.

LIQUID HANDLING WORKSTATIONS

For biotech applications we deliver flexible solutions with OMNIA, a family of liquid handling workstations. These machines automate a variety of protocols for molecular diagnostics, research and forensic genetics labs, matching the need for high throughput in the advanced sectors of genomics, proteomics and omic sciences.

OMNIA Prima, for example, allows automated DNA and RNA extraction from blood, saliva, or other biological fluid samples, solid tissues and plant samples. Featuring ease of use, fast sample processing and modular design, OMNIA is a high-tech system, compatible with different commercial kits.





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