

Manufacturing Expertise

With nearly 50 years of micromachining and precision manufacturing expertise, Millar has the knowledge to impact even small markets on a large scale. Our collaborative team can advise partners on the best production practices or, when necessary, lead the entire production effort.

Engineering Consulting

Leverage Millar's engineering expertise in MEMS pressure integration and embed that knowledge into your team. We'll test your concepts through an initial feasibility study and prototyping to find the right design to bring your ideas to reality. We're here to help you streamline the process and quickly uncover the investment requirement and risks.

Partners in innovation

Leading the way in MEMS-Based Pressure Sensor Device Integration

OEM Journey Success

Millar was built on the idea that collaboration is the first step in making the improbable possible. That's why Millar OEM Solutions partners with global leaders in technology, manufacturing and the life sciences – a multidisciplinary approach to bringing innovation to life.

We understand the challenges companies face when bringing a new medical device product to market or enhancing an existing device with new technology. Our history proves our ability to excel in pressure sensor integration and we can help partners navigate potential manufacturing challenges. We have several established OEM partnerships, with our longest relationship at 25 years, supporting preclinical research, cardiovascular and neurocranial applications.

During Millar's partnership journey, we take the time to fully vet ideas to determine if a path forward is a win for both companies. Our end goal is to create a successful OEM partnership that supports medical device advancement.

Make a Big Impact

With the right mix of manufacturing knowledge and industry expertise, we can take groundbreaking ideas in their earliest stages and find the best path to market. Our OEM partnership process is designed to uncover innovative ways to reduce risk, lower costs and reach patients faster – together.

OEM Partnership Benefits

Millar OEM Solutions provides end-to-end design, manufacturing and account support for MEMS-based devices and wireless pressure.

Design expertise for compliance to:

IEC 60601

AAMI BP-22

Quality System compliant to:

ISO 14971

ISO 13485

FDA 21 CFR 820

Additional benefits:

ISO Class VII Clean Room

Global distribution & KOL support network

Proven and published technology

OEM Technology Capabilities

We have a specialized product portfolio for medical OEM business partnerships including our MEMS pressure sensor integration, catheter models and wireless pressure measurement.

MEMS Module, Connect and Catheter Configurations

Millar offers MEMS pressure sensors at various stages of completion – from wired sensors to fully packaged products. Our advanced sensor configurations are optimized for integration into implantable, catheter-based, and other medical devices, helping to increase the development efficacies of our OEM partners. Our latest available OEM design includes a 2F high-fidelity catheter for right heart pressure measurements.



With nearly 50 years of MEMS integration and catheter manufacturing expertise, our tested process is guaranteed to improve yields and relieve the challenges of MEMS integration resulting in reduced cost and rapid time to market for device integration.

Wireless Pressure

Millar's wireless pressure technology platform enhances current wired pressure monitoring systems with wireless capabilities to improve the quality of patient care. The current platform design is flexible and can be customized to meet various product development specifications.

Core aspects of the technology utilize communication protocols such as Bluetooth coupled with circuits for physiological monitoring in very small packages.



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