



Setting Standards Worldwide



Medical Molding



Innovative Quality Solutions That You Can Rely On

Performance You Can Trust



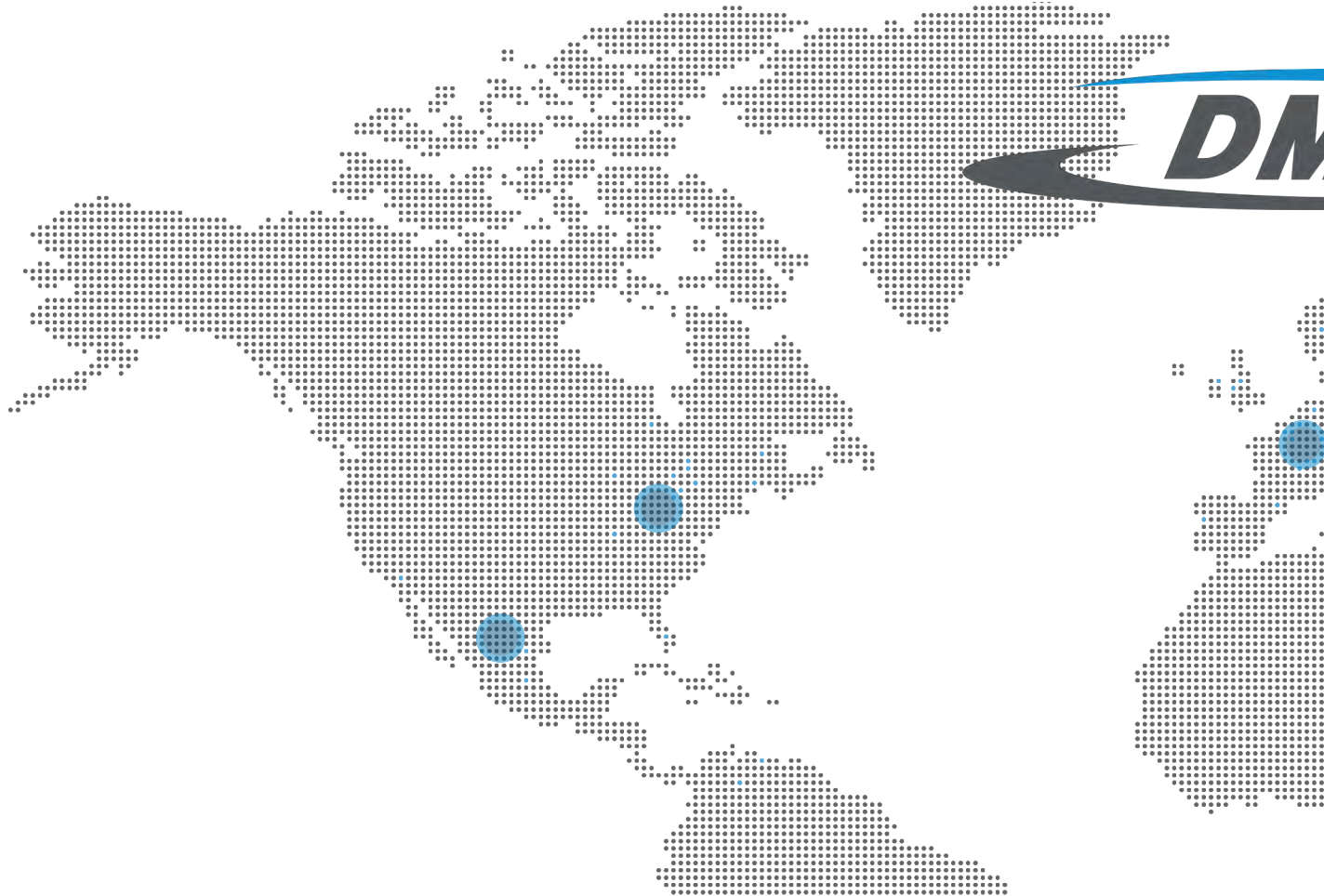
Part Quality and Compliance

The medical device industry operates to the highest standards to meet the most strict regulations. For over 80 years, DME has the expertise and engineered parts that can support you with the technology you need to offer the quality and reliability that your customers and industry expect.

DME's Technologies Enable Solutions From Design Through Production:

- Precision Engineering For Precision Specifications
- Clean Products For Your Clean Room Environment
- Consistent Maintenance For Consistent Performance
- Connectivity For A Connected World
- Circular Thinking For A Circular Economy
- Control Processes For Controlled Results

With facilities worldwide, DME is proud to partner with leading medical OEMs and molders supplying products for superior mold designs and processing excellence all delivered with **SPEED, EFFICIENCY**, and a focus on **SUSTAINABILITY**.



YOUR GLOBAL MEDICAL

10,000+

LOYAL
CUSTOMERS

485

B2B
PROFESSIONALS

8

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EXPE

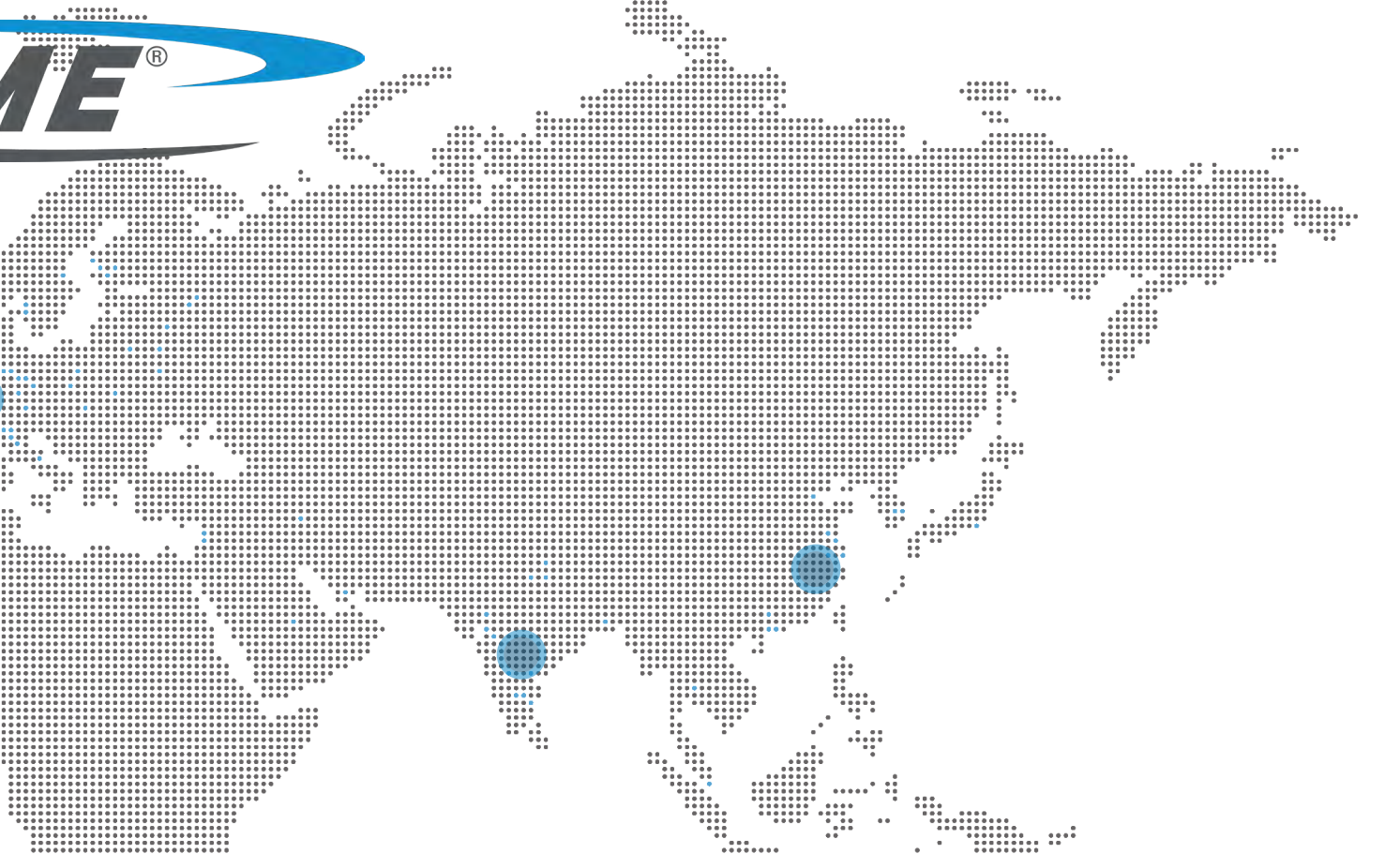
Your Global Solution Partner

DME is part of Hillenbrand (NYSE: HI), a global industrial company that provides highly engineered, mission-critical processing equipment and solutions to customers in over 100 countries around the world.

Guided by our Purpose — *Shape What Matters For Tomorrow™* — we pursue excellence, collaboration, and innovation, via the Hillenbrand Operating Model (HOM), which outlines the processes, systems, and structures that support our goals and objectives, and ensures that we operate efficiently and effectively.



HILLENBRAND



GLOBAL MOLDING PARTNER

50+

YEARS
EXPERIENCE

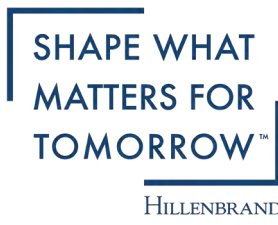
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OPERATING
COMPANIES

1

PURPOSE

Our Philosophy



Our Core Values

- Win As One
- Partner With Possibility
- Make It Matter
- Drive To Deliver

Continuous Improvement Process

Our philosophy and approach uses our company's culture, practices, core Hillenbrand Operating Mode tools, and leadership as catalysts for continuous improvement in all business functions.



Tailored Solutions for The Medical Molding Industry

Part design for medical parts often results in the need for complex and precise geometries.

Manufacturing these intricate parts, with dependable performance, relies on extremely accurate tooling built from high tolerance quality plates and engineered mold components.

DME's Commitment To Precision Delivers Tooling Solutions For...



Precision ENGINEERING For Precision SPECIFICATIONS

Staying Aligned On Precision For The Medical Industry

The Benefits Of Proper Alignment



Thermal expansion and aging equipment can challenge part to part quality over the production lifecycle.

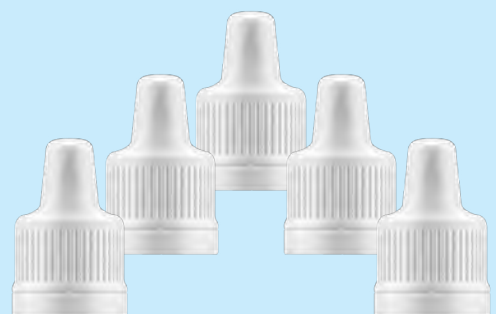
A stainless-steel solution, the DME LT Roller Lock with its unique carbide roller and industry leading 5-point locking mechanism, helps in the consistent alignment of the tool throughout the production lifecycle.

Increased Flexibility In Part Designs Creates More Innovative Parts

DME can help you when designs ask for extreme undercut angles, but standard procedures hinder your plans and technology limits your part design. Due to our array of innovative products, DME can help you to design the part in the most efficient way..



S-Core Collapsible Core allows for greater angles and opens the design window for new and innovative plastic parts. Built with patented safety stops, our collapsible core can be produced for up to 12 segments.



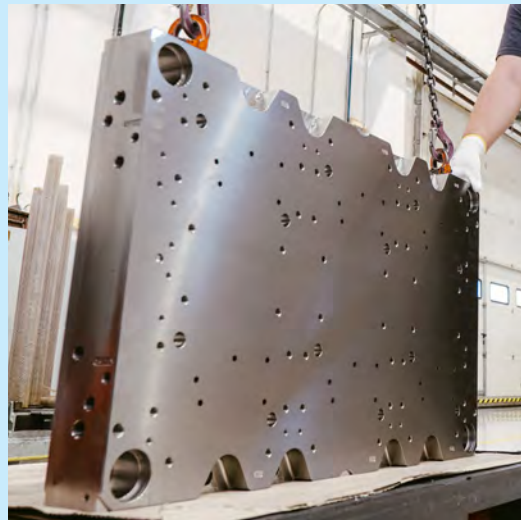
Precision Engineering ry.

Precision Starts With Accurate Plate Machining

Medical device molders often need stainless steel, high-quality plates with precise high tolerance machining of all their features and positions.

DME machining facilities carry out the entire manufacturing process and follow strict process controls to ensure quality compliance.

To ensure high precision machining required for medical molding, workspaces are moisture and temperature controlled and all plates are 3D measured in detail before delivery,





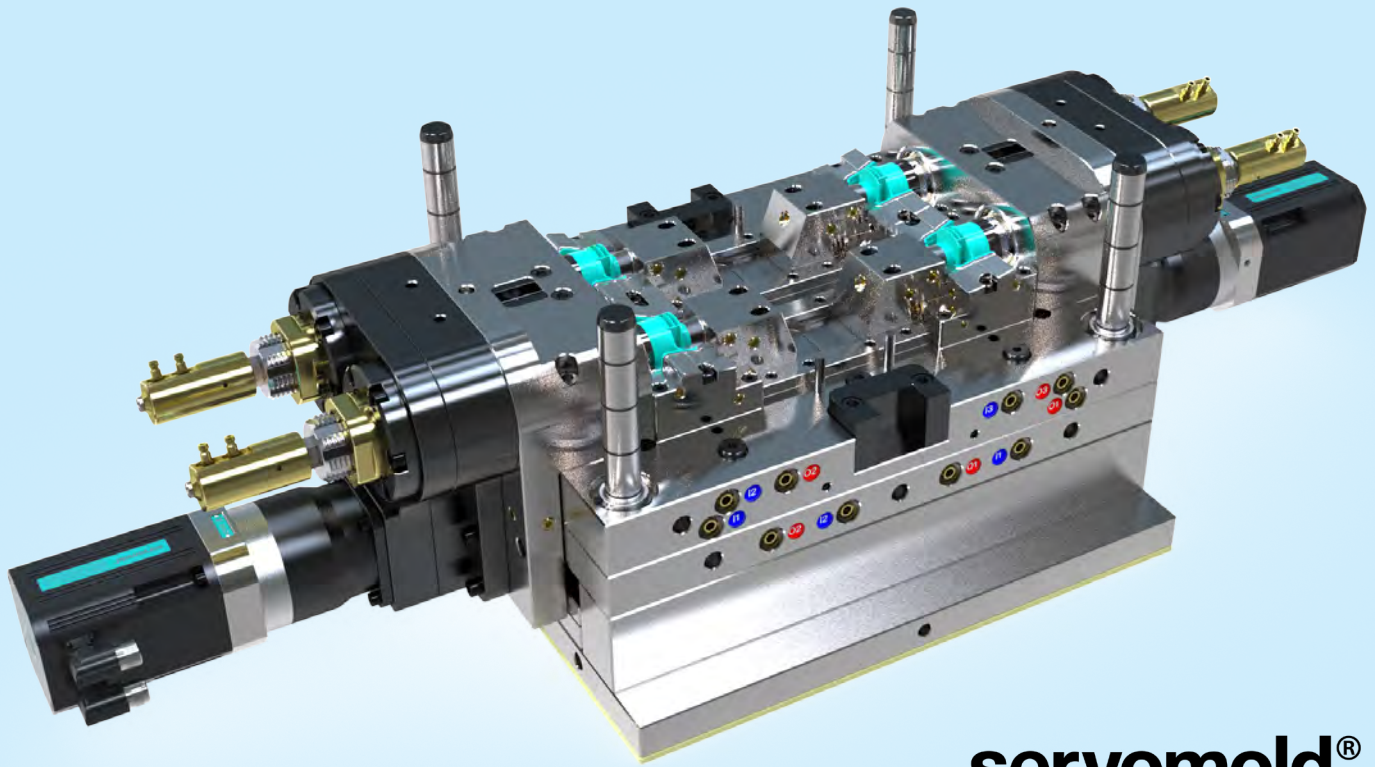
IT'S ELECTRIC

The move towards electrification in the medical molding market is a growing trend.

Servomold® uses advanced electric, oil-free servo motors to precisely manage movements eliminating the threat of contamination due to oil leaks while providing accurate real-time feedback to assist in the control of the process. And with this digital connectivity, control of part traceability, in case of process deviations, can be established

The versatility of this system expands the possibilities for the dimensions of the plastic part and by controlling the process, consistent quality parts can be produced...

...All of this and energy-efficient at the same time.

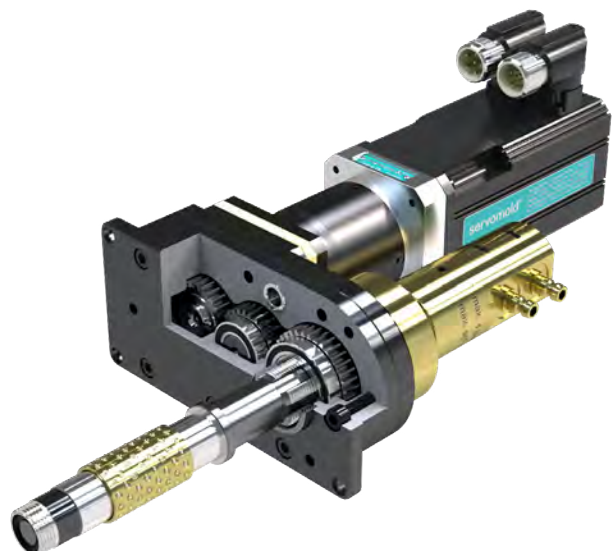


servomold®

Servo-Driven Electrification

Using hydraulic driven motors for mold movements does not always allow for the necessary precision required and can lead to the risk of contamination from oil leaks from the motor at same time.

Servomold is a reliable and precise electric servo system, with control of the angular position and speed. Oil free and leak-free, Servomold is ideal for cleanroom projects.



R_x

PATENT
ADDRESS

Prescription

A person wearing a white cleanroom suit, hood, and mask is cleaning a biosafety cabinet. They are using a white cloth to wipe the surface. A small bottle of cleaning solution is visible on the cabinet's surface. The background is a clean, sterile environment.

Clean **PRODUCTS** For A **CLEAN ROOM** Environment

The medical industry often relies on clean room environments throughout the manufacturing, dosage, and packaging processes. However, access to high precision and quality products should not be compromised.

DME offers an increasing range of products designed with cleanliness in mind. From stainless to oil free solutions, DME is your partner for top-quality mold technologies that can help you meet the stringent standards and regulations of the medical industry.

High Productivity In The Clean Room

High cavitation medical stack molds require a fast and, at the same time, precise opening system that can be suitable for clean room use.

The EZ-Stack Ball Screw Centering Device for stack molds offers



- Reduced friction for a smooth opening and close of the stack molds
- Consistent performance with its precision ball screw system and aluminum housings
- The US Patent Pending bellow protects the ball screw system minimizing the risk of any contamination
- And finally, its global availability makes EZ-Stack a proven choice for medical stack molds

Stainless-Steel Is The Key

DME's precision mold components made from high quality stainless steel are ideal for use in the medical market with its requirements for clean, long-life performance.

Stainless steel offerings are available in a broad range of products:

- Standard or Customized Pins
- Imperial or Metric Pins
- Baffles
- Inserts
- Pressure Plugs
- Interlocks
- Vents
- and Hundreds Of Other Solutions!



Consistent **Maintenance** for Consistent **Performance**

Control of the key molding variables over the entire lifecycle of production is critical to meet the highly regulated standards required of the medical industry.

Cooling, one of the most important variables, relies on the stability of the thermal transfer coefficient throughout the molding process. Monitoring the flow and turbulence of the process is key as any inconsistencies and changes in the temperature (ΔT) may lead to quality issues. The challenge is made even harder over time and due to wear and tear, a data driven predictive approach to maintenance is required.

Establishing a baseline and maintaining that baseline through the life of the tool is a must for consistency process and quality control of your molding process.

Reliable High-Quality Solutions

Real Time Control of Cooling Flow Rate Deviations

DME Flosense® Water Monitoring System provides you with technology needed to help control consistent cooling performance. By monitoring the water flow and temperature, and providing automatic notifications of unexpected deviations you will have the data needed to track your performance.



DME CoolingCare cleaning system offers a comprehensive and highly efficient preventive maintenance solution for cleaning the water lines within your molds. In combination with its IoT enabled storage capabilities, CoolingCare, helps to reduce unwanted deviations and returns your lines to the thermal transfer process and maintains your lines to their original design qualifications.

Preventive Maintenance For Ensuring Cooling Flow Rates Is Essential

Connectivity For A Connected World



QR Codes - A quick and trendy way to connect your users to the important and most up-to-date product information.

Substituting current leaflets or instructions manuals by digital QR codes is a way to:

Increase Patient Safety & Customer Satisfaction

Anywhere,
Anytime Access

Up-To-Date
Information

Ability to Add
Detailed Images &
Text

Reduce Costs and Being More Sustainable

Less Paper Per
Package

No Additional Ink
On The Plastic Part

Decrease Overall
Waste

Differentiate

Setting Your Own
Company Standards



Stay Up To Date

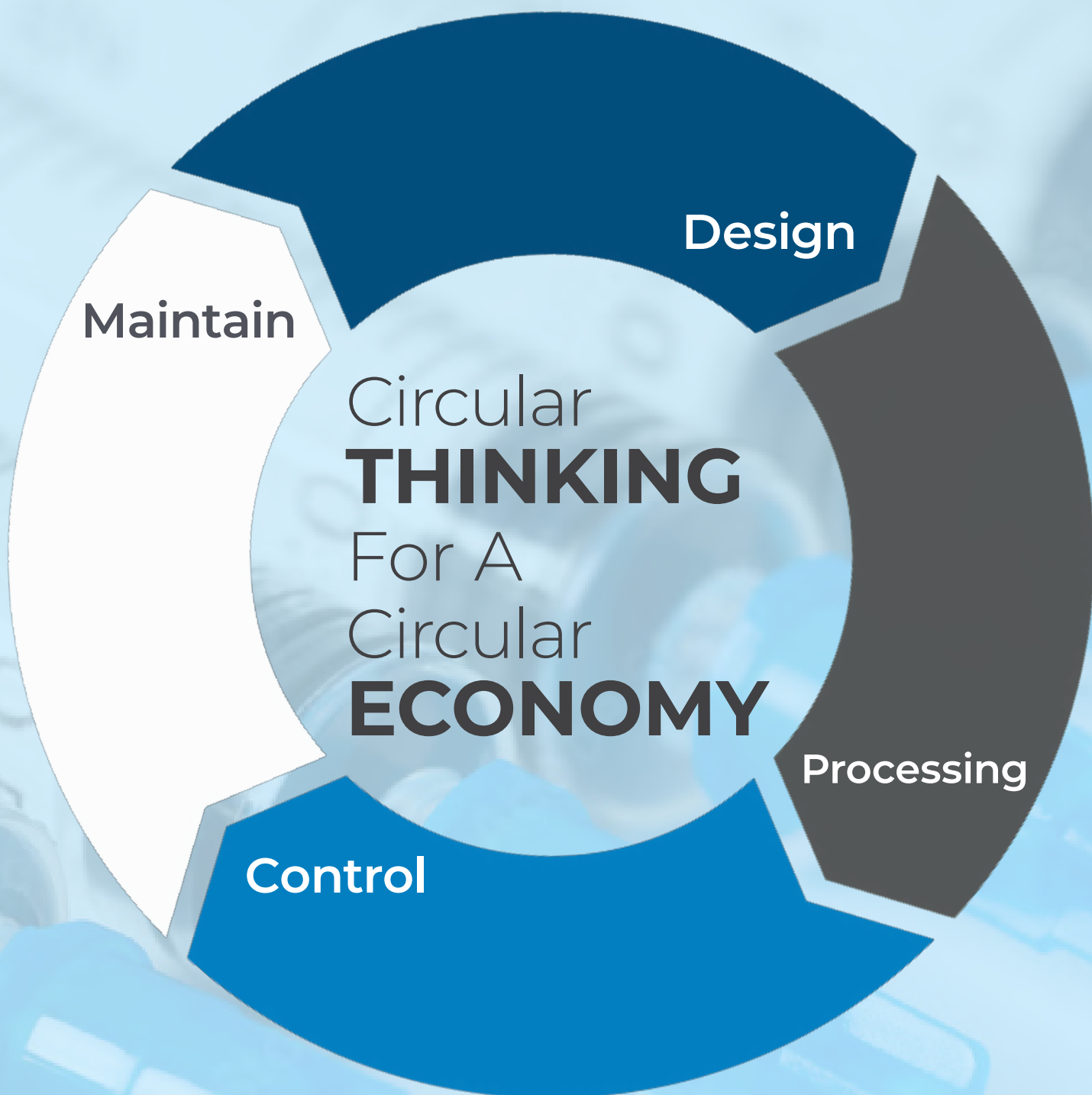
QR codes hold a significant amount of information within a small area and can be quickly scanned using a smartphone or other smart devices.

With a QR code mark on your product, you provide clients and consumers access to websites, instructions, videos, and so much more!

QR codes can now be added to the plastic part in a reliable way during the molding process without making it part of the mold - all without the need of additional ink or printing.

We're ready to proactively support our medical customers on these initiatives, with solutions such as our innovative QR code system, customized to your unique needs.





Circular Thinking For A Circular Economy

Sustainability solutions based on the principles of the circular economy are increasingly being demanded and legislated.

From design to build, processing control and maintenance, DME is here to support you along the way.



DESIGN FOR TOMORROW

Parts For A
Circular Economy
Call For Innovation



MAINTAIN YOUR PERFORMANCE

Control Of Your
Process Through The
Lifecycle For Quality
And Productivity



LESS IS MORE

Increasing
Productivity And
Reducing Energy



CONTROL YOUR DESTINY

You Can Only
Improve What
You Measure



Controlled Processes For Controlled Results

Stay In Control

The medical industry follows a scientific and documented process where each element is carefully established, monitored, and recorded.

Capturing key process data and events during the injection molding process, in real-time, throughout the entire lifecycle of the mold, is an essential step to verify and register that critical parameters are within the defined values

This information will be processed in ulterior analysis and study and stored for traceability purposes.

DME SmartMold gives medical OEMs the ability to improve the Performance, Availability and Quality of their molding operations by providing data that offers valuable insight on how the sites worldwide are performing and identifying the areas that need attention.

This information will be accessible from anywhere and with an intuitive format. It is the first step towards predictive and autonomous capabilities within your facility.



SmartMold



Innovative Ways To **Control** Thermal Transfer

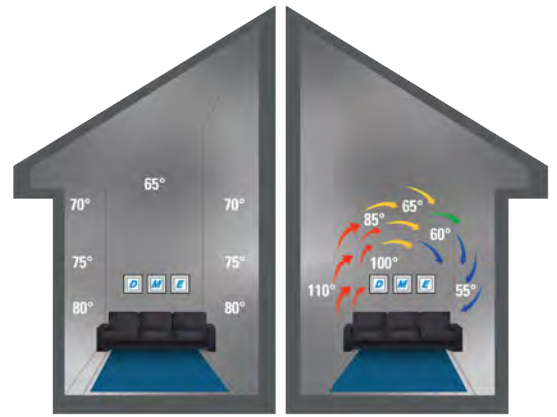


IMAGE SOURCE: [HTTPS://WWW.WARMLYYOURS.COM/EN-CA/POSTS/DISCOVER-THE-COMFORT-OF-HAVING-ELECTRIC-HEATED-FLOORS-IN-YOUR-HOME](https://www.warmlyyours.com/en-ca/posts/discover-the-comfort-of-having-electric-heated-floors-in-your-home)

Our engineers are increasingly looking at new and innovative ways to do more with less while also widening the process window for greater use of recycled products and new emerging bio-based materials

iControl Insulation is just one of the new DME technologies designed to help you better control thermal transfer during your injection molding process. A more efficient and reliable process enables improved production efficiency, better part quality and reduced energy consumption.
...Less is More.





SUSTAINABILITY Is At The **CORE** of Everything We Do



DME: Trusted Partner To The Medical Industry Worldwide

For over 80 years, DME has been the industry's leading supplier of mold technology products to the medical market,

With our global network we are your ideal partner from early design through processing and after service we are with you every step of the way.





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