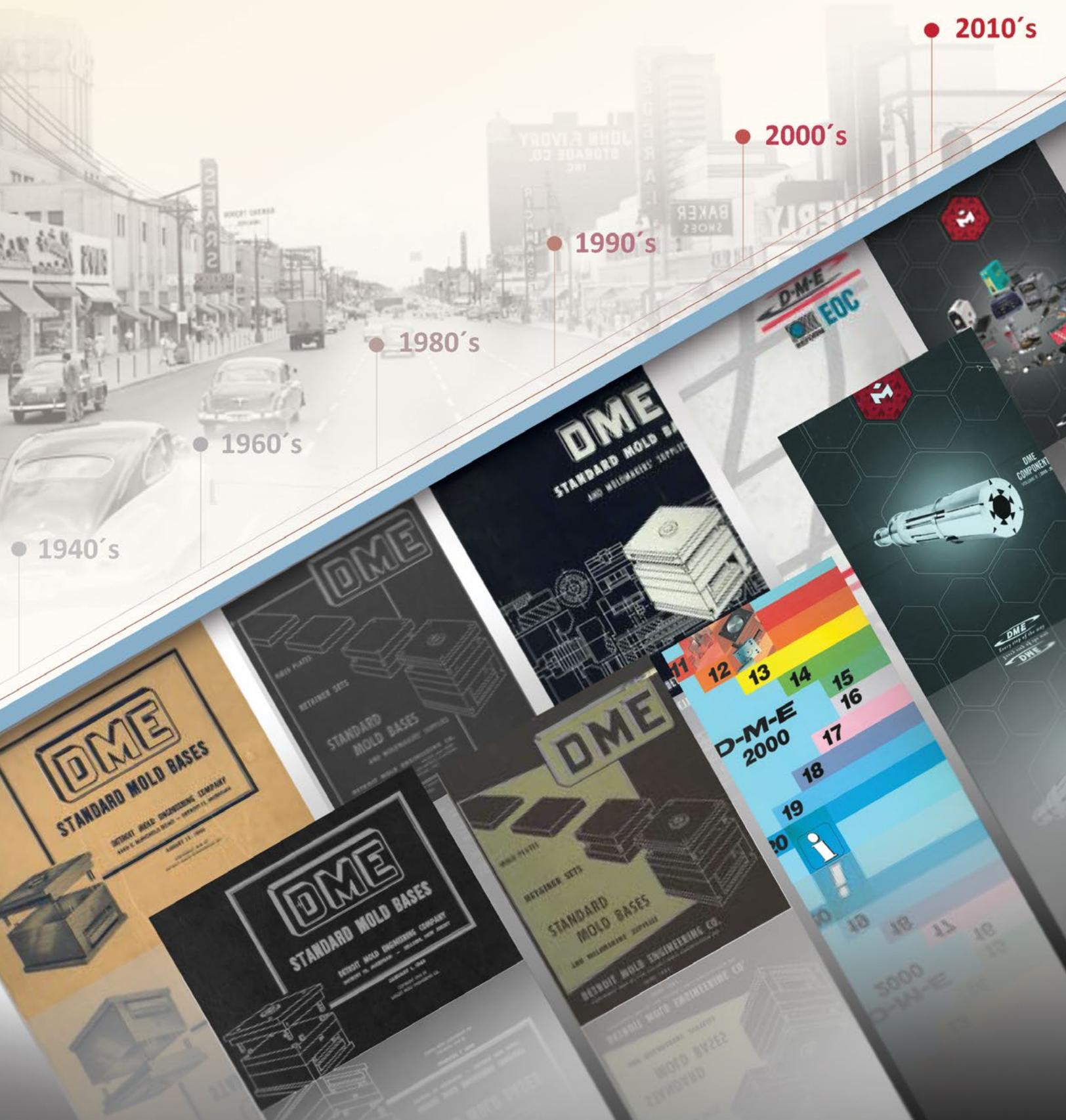


# DME



● 2010's

● 2000's

● 1990's

● 1980's

● 1960's

● 1940's

**DME**  
STANDARD MOLD BASES  
DETROIT MOLD ENGINEERING COMPANY  
4445 E. MICHIGAN BLVD. • DETROIT, MI 48210  
800.771.1000

**DME**  
HARD PLATE  
RETAINER SETS  
STANDARD MOLD BASES  
AND MILLING/DRILLING  
DETROIT MOLD ENGINEERING CO.

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**D-M-E 2000**  
11 12 13 14 15 16 17 18 19 20  
DME COMPONENT  
DETROIT MOLD ENGINEERING CO.

# DME

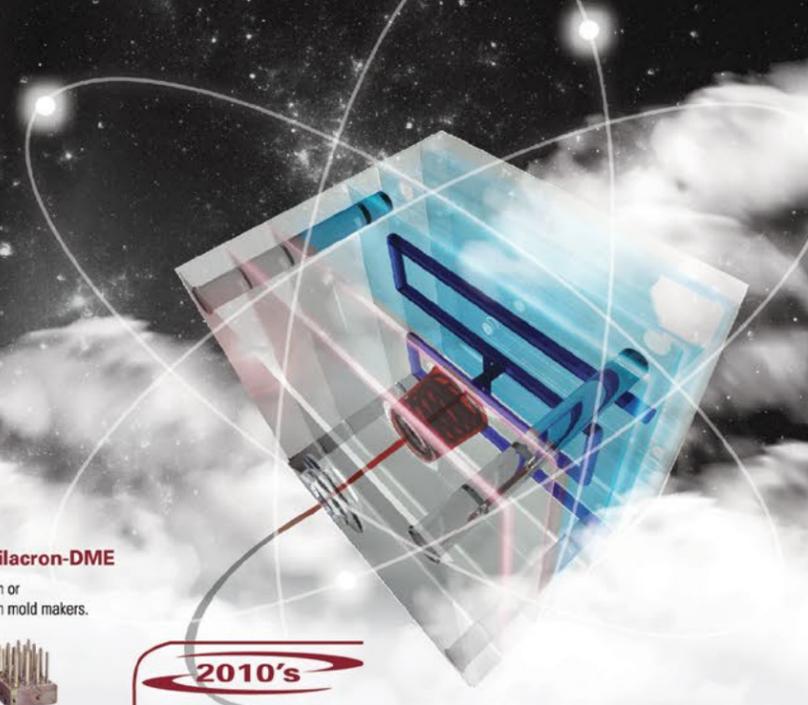
## Thank You for 75 Years

### A Journey of Innovation, Quality & Service.

For 75 years DME has been with you "every step of the way", helping to pioneer an industry that today we can all be proud of. Together we have set the standard for mold bases and their components; contributing to making the world a better place through billions of innovative plastic parts. Today we are investing in new technologies, automation, and global support services to help build an even brighter future with you.

## Into the Future of Mold Technology

- Automation
- Conformal Cooling
- Global Connectivity
- Smart Mold Technology
- Melt Delivery Technology & Controls



### 1960's

#### Advancements in Technology, Steel and Catalogs

**1960-64 - DME STEEL & DME Catalog.** 1960 sees first DME 249-page catalog. 1963 open in Germany, and introduces DME No. 5 Die Steel. 1964 DME introduces DME No. 3 Steel preheated, easy to machine P20 modified cavity steel.



**1968 - Collapsible Cores.** DME's introduction of Collapsible Cores, a breakthrough for molding plastic parts for internal threads, undercuts, and more.

#### New DME World HQ



**1968 - New Corporate HQ.** DME World Headquarters moves from Detroit to new facility in Madison Heights, Michigan.

**1969 - Introduction of More Technology.** DME introduces revolutionary products for mold makers including standard cavity insert blocks, and early ejector pins.

### 1950's

#### DME Opens First International Warehouse

**1951-1955 - Three (3) New Service & Support Locations** increasing it's national presence and ability to get products and services to it's clients across the US.

**1954 - DME Improves Standardized Mold Bases.** DME improves the design and functionality of its mold bases by adding additional features.

**1955 - First International Facility Opens.** DME Canada Ltd. (Toronto) provides faster response to Canadian mold makers.

#### Introduction of DME Standard Unit Die



**1959 - Standard Unit Dies & Quick Change Replacement Units.** New DME Unit Dies and Quick-Change Units for Zinc and Aluminum die casting launched.

### 1970's

#### DME Slide Retainers, The Cool One™, Straight Shot™ & T-Series Mold Bases



**1970 - Introduction of DME Large Mold Bases.** DME adds complete line of large plates, mold bases and mold components.

**1974 - Slide Retainers added** to DME's offerings.



**1975 - The Cool One™** DME's first runnerless system introduced.

**1977 - Straight Shot™** Hot Sprue Bushing is introduced, offering large shots, faster fills, and longer heater life.

**1978 - Standardization of T-Series Mold Base.** Launches in 42 sizes.

### 1980's

#### DME adds Ultramill Series, Mini-Mill Series, and UltraForm® System

**1980 - New Ultra and Mini Mills unveiled.** Two new lines of indexable milling cutters, designed by DME for mold and die makers.



**1983 - Ultraform® Finishing System Released.** Designed by DME, this system replaces time-consuming hand finishing operations.

**STC-1500 Controller,** a new line of mold surface temperature controllers for improved part quality, increase productivity and lower energy costs is introduced.

#### Launch of DME Smart Series® and The Hot One®

**1985 - Smart Series®** line of temperature control systems hits the market, offering molders versatility and reliability in runnerless molding temperature control.



**1985 - The Hot One®** launches and becomes the industry standard for externally heated systems. A runnerless component system with endless possibilities.

**1987 - DME Founder I.T. Quarnstrom inducted into Plastics Hall of Fame.**

### 1940's



**1946-49 - DME opens two manufacturing facilities in the US,** providing East, and Midwest mold makers with faster service, carrying a complete stock of mold bases and supplies.



**1945 - WWII Ends,** DME helps the war effort by enabling faster production of plastic parts to aid in the war effort.



**1944 - DME Standardizes Mold Industry.** Mold components are standardized, providing immediate delivery on leader pins, bushings, return pins, ejector pins and much more.

### 1990's

#### Mark of Excellence & A Golden Anniversary

**1991 - DME receives General Motors Mark of Excellence.** General Motors presents DME with the GM Mark of Excellence Flag to fly at it's Madison Heights World Headquarters.

**New Technology Center opens.** Located in Madison Heights, Michigan, this center includes product development, molding and electronics laboratories.

**1993 - Celebrating 50 years** of serving it's customers globally with innovation, products and services.



**1996 - DME Evolves - Joins the Milacron family of companies.** DME adds its rich history of standardization and innovation to the Milacron family of Companies.



**1998 - Acquisition of Master Unit Die (MUD®).** Strengthening DME's quick change insert mold base offering for OEM customers.

### 2000's

#### A New Millennium for Milacron-DME

**2000 - Mold Basics™** for short-run or prototyping applications is a big hit with mold makers.



**2000 - Stellar Hot Runner System** for micro-molding applications launches.

**2001 - DME goes digital.** Beginning in the new millennium DME clients could now order on-line.

**2005 - DME earns Silver.** DME becomes first to earn the Moldflow Silver Certification.

**2006 - Helical Gear Stack Mold Centering Devices** for precision stack mold applications.

**2007 - NEW Logistic Center opens** in Shenzhen, China.

**Eco-Smart Unveiled.** Hot Runner system optimized for starch-based bio resins.

**Consolidation of Industrial Supply offering.** Northern Supply, Nickerson, and OHS are consolidated under the DME Industrial Supplies division, to be your single source supplier.

**2009 - New Die Casting Chill Vents** developed to help die casters eliminate flash.

**Scholarship Program Initiated.** DME introduces it's DME Scholarship Program for our next generation of plastics leaders.

### 2010's

**2010 - Hydraulic Locking Core Pull Cylinders** for simpler assemblies and engineered solutions.

**2012 - Unitized Valve Gate,** for simple installation.



**2014 - TSM Module, TSP & TSP Plus Controllers.** DME expands Smart Series with TSM module and launches new advance technologies TSP and TSP Plus controllers.

**DME-Milacron acquires Tirad of Europe** DME expands globally it's High Precision Plate portfolio.

**MRO / Industrial Supplies expanded** with safety products and CimCool™ cutting fluids.

**2015 - DME expands several product line offerings** with External Latch Lock, PlatenGuard, Mold & Cable Checkers & Thru Hard Ejector Pins.

**2016 - Hot Runner & Controller Offering Expands,** Velocity Hot Runner, SVG (Sequential Valve Gate - Air & Oil) Controller & M2 Controller with state of art technology added to DME product offerings.

**DME launches its new eSTORE** offering thousands of products to customers, all on-line.



**2017 - Conformal Cooling - TruCool™** Utilizing cutting edge, Direct Metal Laser Melting (DMLM) 3D printing process to produce highly complex cavities, cores, and components with conformal cooling channels.



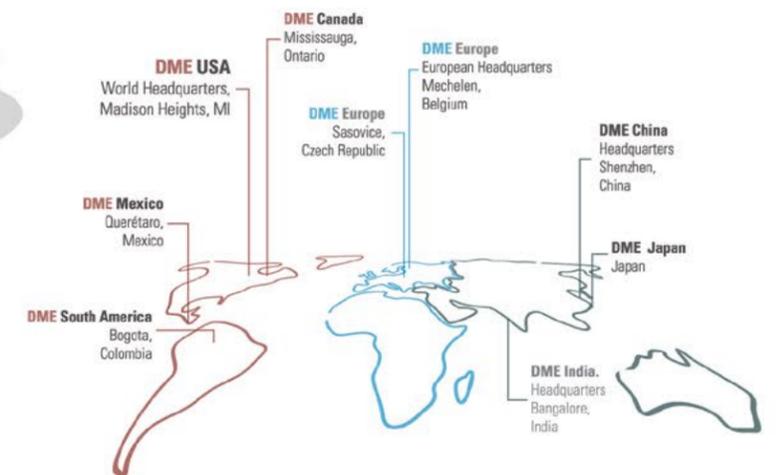
**A New ERA OF INNOVATION** with new Design Services, launch of 3D Additive Conformal Cooling, new Mold Steel Plates, new Mold Service Table and new Molding Accessories.

**2018 - and beyond.** Come see DME at NPE and Amerimold.

### DETROIT MOLD ENGINEERING



**1942 - Ivar (Ted) Quarnstrom founds Detroit Mold Engineering.** DME originator of standard mold bases for injection molding. The original Quarnstrom Tool Company team (1939) started it all. 1946-1950 Quarnstrom receives multiple patents for Standard Mold Bases.



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We would like to thank you for your support and loyalty over so many years.

DME, originally Detroit Mold Engineering Inc., has a rich and proud history. For more than 75 years we have enjoyed working alongside you, our customer, to play a pivotal role in the creation, development and growth of the polymer processing industry. DME has pioneered the evolution of mold technologies worldwide providing tool makers and molders with both standard and custom products to build their tools and mold parts. Together, we have helped transform the world through billions of novel and ever improving plastic and metal parts that bring new form and function to everyday products.

We are proud of our roots, and much like Detroit, the city of our origin, DME is reinventing itself in dynamic fashion by investing in new capabilities and bringing even greater innovation to our Industry. What drives us is simple, it's our belief that there is always a better way and that you, our customer, always deserves more. We are committed to your success and we will work every day to earn your business.

Thank you for the 75 years of support, inspiration and friendship.

## The employees of DME

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