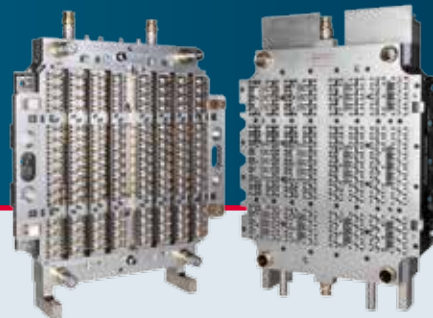




MHT MOLD & HOTRUNNER  
TECHNOLOGY AG



# PET Preform Molds





### Maximum Cavitation

Cavities	For Machine Type
192	Netstal PET-LINE 6000
160	Husky HyPET 500, G-Line 600
128	Netstal PET-LINE 3500, Husky HyPET 400
112	KraussMaffei PETForm 350
96	KraussMaffei PF 320, Husky HyPET 300
72	KM PF 300, HyPET 225, Netstal PL 2400
60	Netstal PL 2000, KraussMaffei PF 175
48	Husky HyPET 120



# Who We Are

MHT Mold & Hotrunner Technology AG was established in 1996. Since then we have been supplying the global market with high performance PET molds and hotrunner products. Our team consists of 150 employees and we own five production and service facilities which are located in Germany, Luxemburg, China, Brazil, and the USA.

Up to now MHT has shipped over 1000 molds and spare parts to more than 100 countries. Partners and agents in Europe, America, Africa, the Middle East, Asia, and Australia provide a perfect service for our customers.

Together with experienced partner companies we offer complete beverage solutions: preform mold, prototyping with blown bottle, closure system, machine.

## MHT Preform Molds

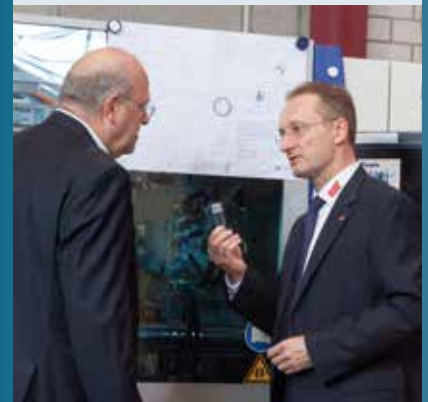
- Molds for all well known PET systems
- Complete conversions
- Weight and low thread conversions
- Mold refurbishments
- Mold and hotrunner spare parts
- Installation, service and repair of molds
- Customized training

## High Quality Preforms

- No crystallinity
- No scratches
- High quality surface
- Low acetaldehyde (AA) level
- Minimum eccentricity
- Dimensional stability
- Consistent weight
- No flash on split lines



- 2014 Opening of MHT China
- 2013 Presentation of 72 cavity mold for HyPET 225 and 48 cavity mold for HyPET 120
- 2012 Presentation of 144 cavity mold for HyPET 500
- 2011 Design of the 112 cavity mold for KM 350
- 2010 Upgrade set: 96 cavity mold for HyPET 300 and 128 cavity mold for HyPET 400
- 2008 First 128 cavity mold for 3,500 kN machines
- 2006 Foundation of MHT USA
- 2004 Presentation of first 192 cavity mold worldwide
- 2001 Presentation of first 144 cavity mold worldwide
- 2000 New production facility in Hochheim/Main
- 1998 Presentation of first vertical PET system and foundation of MHT Luxemburg
- 1996 Foundation of MHT by 11 partners





# Your Machine - Our Solution



MHT molds are compatible with all high quality PET injection molding machines. This makes MHT an ideal supplier and gives you more independence and flexibility.

We build molds and post mold cooling solutions for

- Netstal
- KraussMaffei
- Husky
- Sacmi
- Arburg
- Cincinnati
- Sumitomo
- Negri-Bossi
- BMB

Hot fill? Wide mouth? Low thread? We make it possible!

## High Cavitation

MHT has always been the one to take mold cavitations to the next limit. Now we offer a

- 72 cavity mold for Netstal PET-LINE 2400
- 96 cavity mold for Husky HyPET 300
- 112 cavity mold for KraussMaffei PETForm 350
- 128 cavity mold for Husky HyPET 400
- 160 cavity mold for Husky HyPET 500 and G-Line 600
- 192 cavity mold for Netstal PET-LINE 6000

MHT assumes the complete project management and guarantees a smooth-running changeover to the new mold design. The upgrade set for HyPET machines is offered within the context of a mold exchange or conversion.

Note: HyPET® and Husky® are registered trademarks of Husky Injection Molding Systems, Ltd. MHT Mold & Hotrunner Technology is not affiliated with Husky.



How many preforms  
do you want to produce?

Which design, what weight?

How big is the clamp force  
of your machine?

No matter what the  
requirements are, we  
build the perfect mold  
for your project!

#### **Conversion To Light Weight Threads - And More**

Save material for thousands of € with  
light threads (e.g. MHT21LIGHT, PCO 1881,  
30/25 MHTsuperSHORT).

- Modification of preform weight or design
- Conversions to other machines

#### **Refurbishments And Conversions**

Your mold will look and work like new! With our

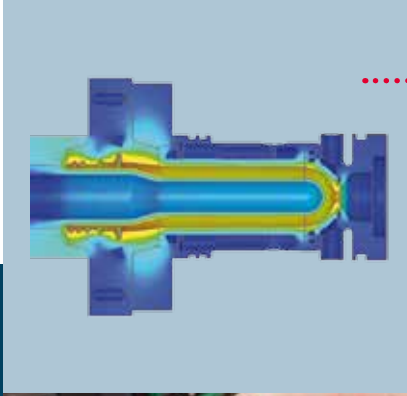
- Cold half refurbishments
- Hotrunner refurbishments
- Take off plate refurbishments
- Complete refurbishments

you add life time to your mold and ensure the  
quality of your preforms.

#### **MHTsaveBASE® - Free Of Licensing Fees!**

A small change in the bottom area of  
the preform has a number of advantages:

- Bottom of bottle can be made thinner
- Material and energy savings
- Better stretch to blow ratio



### **Innovative Strength: Advanced Stacks And Inserts**

MHT is well known throughout the PET industry for its innovative strength and the ability to develop technical solutions. In addition to the well-proven titanium-nitride coating for cores, we now offer the MHTblackLOTUS (DLC) coating for neck rings.

### **Neckring Coating - Advantages**

- Reduced wear of tapers
- Reduced PET powder deposit
- Improved demoldability
- High mold availability
- Easier filling



Two types of mold inserts are available to provide the best cooling performance for your stack and a mold that makes sense technically and economically. MHThpSTACK® for the critical parts of your preform, standard line wherever possible.

### **MHThpSTACK® Components**

- Advanced cooling design for lower preform temperatures
- Improved preform quality
- Reduced cycle time
- Reduced water consumption



# Innovative Strength



**Post Mold Cooling: MHTcoolMAX®**

We offer post mold cooling solutions such as our three or four step take off plate with a newly developed pin ejector. It is available for all mold types and cavitations.

Advantages

- Easy mounting and excellent performance
- No air leakage when preforms are missing
- Air saving
- Effective cooling

Of course MHT molds also work perfectly well with post mold cooling technologies of other manufacturers (e.g. Husky HyPET®, G-Line®; Netstal Calitec®).

# Sustainability

An investment is only sustainable if it endures over many years. As with our 192 cavity mold, which was still worth converting to a new thread after ten years of service and three billion produced preforms. Please read our customer testimonial here.



The preservation of natural resources is really important to us at MHT. That is why we are constantly reducing the power and water consumption of our tools. Today, a 96 cavity mold consumes 72 percent less water than it did in 2001. So our customers benefit from lower costs for their cooling system and pumping capacity.



MHT USA, LLC.