



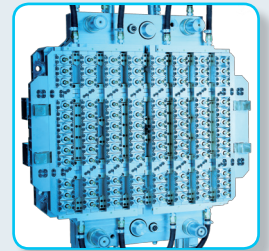
MHT MOLD & HOTRUNNER TECHNOLOGY AG

96 CAVITIES ON HUSKY HYPET300!

33 percent more preforms without any changes to the machine. Who wouldn't say „yes“? With the MHT upgrade set from 72 to 96 cavities, preform manufacturers who use a Husky HyPET 300 injection molding machine, can increase their parts output by one-third.

The **pilot project is running very successfully** with a leading preform and bottle manufacturer in South America. The approx. 85 mm long and 15 g heavy preform with a PCO 1881 thread is created in a cycle time of 9.0 s.

Compared to the 72-cavity mold, the 96-cavity mold is only negligibly wider, as the available space is utilised even better. The cavities are moved slightly closer together than with the 72-cavity and on the left and right, a row of cavities was added. The **stacks are identical with those of the 72-cavity mold** that has been well-proven for years. So that the injection molding machine can operate the mold, the upgrade...

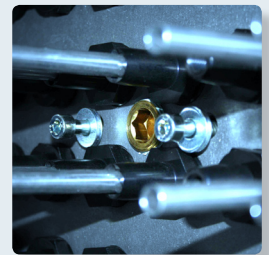


COOLMAX FILED FOR PATENT

For the self-developed, three-stage-post-mold cooling solution MHT_{cool}/MAX an international patent has been applied for.

The innovation of the MHT_{cool}/MAX lies in the detail of the **cooling plate**. The plate, from which the cooling pins protrude, is **water-cooled**; air that flows through into the preforms therefore arrives there significantly cooler than from uncooled plates.

In the inner space of the preforms, this solution differs from those of other vendors due to its **reversed coolant flow**. The air initially brushes past on the preform wall toward the front and then arrives back through the inside of the cooling pins. This **increases the cooling effect on the preform** and prevents the cold air from colliding in the molding area, ...



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IMPRESSUM

MHT Mold & Hotrunner Technology AG

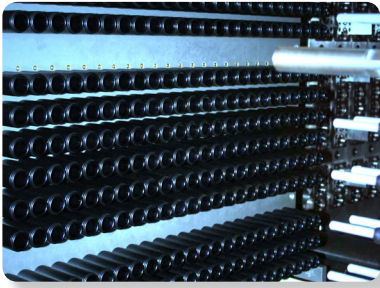
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NEW CEO FOR MHT USA

MHT USA, LLC., a subsidiary of MHT Mold & Hot-runner Technology AG, has a new Managing Director with effect from September 1. Christian Wagner (39) is a graduate engineer in mechanical engineering and has already been employed in the company since the establishment of MHT Germany in 1996. Most recently he has been responsible for the development of new...





Take out plate

96 CAVITIES ON HYPET300!

adapts to it, as the control unit of the Husky HyPET 300 is designed for a maximum of 72 cavities. With the nozzle control, there are two options. **Nozzles of the same thermal type are either combined**, so that a total of 72 regular positions again result for the machine, **or an external device takes over the control of all 96 nozzles.**

The six photo eyes, which check whether all preforms are correctly passed on to the take out plate before the mold closes again, are supplemented with two laser sensors, then the impulses are combined in a switch box and transmitted to the machine as one signal.

The upgrade set is available for preforms up to a maximum water thread diameter of 30/25. **MHT** assumes the complete project management of the prototype production, right up to ramp-up of series production and **guarantees a smooth-running changeover to the new number of cavities.** The upgrade set is offered within the context of a mold exchange or conversion, such as to a different preform design. For owners of a Husky HyPET 400, an upgrade from 96 to 128 cavities is available with an increased output by one third also.

Note: Husky® and HyPET® are registered trademarks of Husky Injection Molding Systems, Ltd., with its headquarters in Bolton / Canada. MHT Mold & Hotrunner Technology AG has no connection to Husky.

Upgrade - Statistics:

- Available for HyPET 300 (96 cav.) and HyPET 400 (128 cav.)
- No changes to the machine necessary
- Three-stage-post-mold cooling ◀



Cooling pins

COOLMAX FILED FOR PATENT

as is the case if the air is blown from the cooling tubes. In addition to this, the **flow of coolant is divided** directly after penetrating the preform and **part of the air is directed to the inner space of the thread.** The radiated heat is taken up through the cooling pin sleeve. The improved cooling performance of the entire system enables short cycle times and has a positive effect on the preform quality.

During development, particular attention was paid to the **robustness of the cooling pins**, as the pins that were previously standard on the market frequently break off, according to customers. In contrast, material was saved with the extraction take out plate, which could be produced in a thinner and lighter form. The lower mass needing to be moved particularly pays off in times where energy savings are generally being aimed at and enables faster movements.

MHTcool/MAX - Statistics:

- Cooled plate
- Reversed and divided coolant flow
- Direct air flow to inner space of thread ◀



Team USA

NEW CEO FOR MHT USA

molds as well as all patent matters. As CEO of MHT USA, he will manage the North American business and support Andreas Krampe, who has been the Director of Projects since the beginning of 2010, with his well-founded technical knowledge.

With the new appointment of the CEO position, MHT takes the positive growth opportunities in the USA into account. Through the expansion of technical sales competence, new and existing customers will be supported. Up to now MHT USA has been managed temporarily by the CFO of the German parent company. ◀