

**HASCO**

*Enabling with System.*

***HASCO***  
***up to date***

**3/25**



# Innovations

## Z088/...

InsertKey



- Clear coding of mould inserts
- Identical design and production of the mould inserts

## Z920/.../VA

Manifold block, stainless steel



- Flexible heating/cooling cycle
- No electrochemical corrosion

## Z9620/.../VA

Water fountain stainless steel, for core cooling



- Simple cooling of mould cores
- Hotspots are avoided

## Z1805/...

Diverting coupling unit with valve, USA



## Z18051/...

Diverting coupling unit, open flow, USA

- Specific diversion of the cooling medium
- With and without valve compatible with the ZI range

# Efficient heat insulation when injection moulding

## The right insulating solution for every application in mouldmaking

Thermal insulating sheets are used in tool and mouldmaking in order to insulate the mould thermally from the injection moulding machine. They help to minimise heat losses through radiation, convection or contact transfer and to maintain thermal equilibrium.

They help to reduce temperature losses and ensure a more homogeneous temperature distribution in the mould.

HASCO thermal insulating sheets are designed with maximum quality and precision.

The extensive range offers the right insulation solution for demanding applications.



*HASCO Thermal insulating sheet*

### Thermal conductivity in comparison

Thermal insulating sheet:	<b>0,12 - 0,21</b>	<b>W/mK</b>
Titanium:	<b>15</b>	<b>W/mK</b>
Steel:	<b>50</b>	<b>W/mK</b>
Aluminium:	<b>200</b>	<b>W/mK</b>
Copper:	<b>380</b>	<b>W/mK</b>

Through the use of the suitable thermal insulating sheet, it is possible to achieve, in addition to increased process reliability, an improvement in the efficiency of the mould heating through uniform heat distribution and the quality of the injection-moulded part.

The following applies: the lower the conductivity, the higher the insulating effect and energy saving.

The calculation programme for thermal insulation sheet on the HASCO App offers designers and mouldmakers a user-friendly tool with calculation aids to find the right insulation solution.

## Customer story

### Moldes TecnoMaq

20 de Noviembre 21,  
15 de Septiembre  
72710 San Lorenzo  
Almecatla, Puebla  
Mexico

## Moldes TecnoMaq – success through standardisation

By introducing standard components into its production process, the Puebla-based company Moldes TecnoMaq, which has established a reputation in Mexico for manufacturing injection moulds and blow moulds, has become more productive and efficient in its manufacturing processes.

This change has enabled Moldes TecnoMaq to focus its resources on truly value-adding activities and drastically reduce delivery times.

The support of HASCO México was crucial in the transition from traditional mouldmaking, where all components were still manufactured in-house, to the use of standardised parts such as the A8001 clamping device.

The clamping device was developed to securely fix and precisely align plates. It offers horizontal and vertical machining options for all standard tool dimensions.

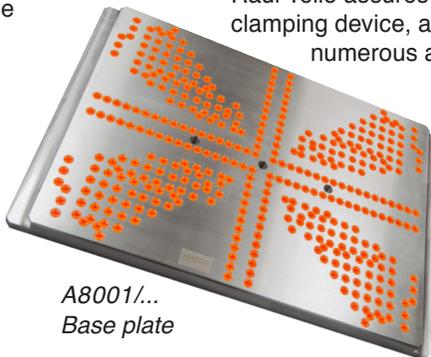


*In the production of Moldes TecnoMaq: The managing directors Raúl Tello Espinosa and Víctor Tello Carrera (from r. to l.) (Photo: Plastics Technology/Mexico)*

“With A8001, HASCO has come up with a solution that offers us numerous advantages, such as a drastic reduction of set-up times, higher precision of the moulding tools, shorter delivery times, better machine utilisation and greater efficiency in the machining sector,” says Managing Director, Raúl Tello.

Raúl Tello assures us that by using the A8001 clamping device, a safe, precise process with numerous advantages has been achieved.

“This plate has become an indispensable tool for us. We have concentrated our efforts on producing ever more complex moulds with higher added value. This has made us a profitable company with improved competitive advantages.”



*A8001/...  
Base plate*



## H1210/... Wiring test device

The new handy wiring test device H1210/... enables the comfortable and fast testing of electrical connections in hot runner moulds.

It recognises directly and unmistakably heating units, thermal sensors, earth faults and defects. The informative fault display with interpretations is shown in graph and in table form.

In most cases this leads to preventative maintenance and repair on usage and troubleshooting with the mould wiring and the quality testing before the start of production.

- Measuring result in < 5 seconds
- Automatic classification via resistance values
- Adaptable threshold values  
e.g. 16.5  $\Omega$  (thermocouple),  
20  $\Omega$  (heating)
- Export: .csv/.xlsx / Screenshot  
via USB
- Battery operation  
(approx. 6h running time) –  
no mains connection necessary



**Built to Enable.**

# CATIA - Update standard mould units

The CATIA native data library has been extensively enlarged. In addition to a variety of new components, it also offers optimised negative spaces, which simplify the design process.

Standard mould units in the CAD system can do much more than just map the geometry. Native standard mould units controlled by parameters offer users many advantages in design.

**The native data of the following products are immediately available for free download:**

## **Ejection**

Z4001, Z402, Z4101, Z456,  
Z46710, Z46720, Z47

## **Guiding elements**

Z00C, Z0102,  
Z03C, Z040C, Z10C, Z11C,  
Z12, Z1201,  
Z14W, Z15W, Z16W,  
Z1850W, Z185W, Z186W

## **Measuring technology**

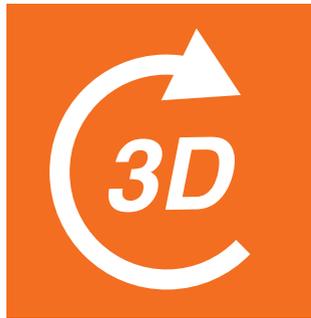
Z1455

## **Control technology**

Z110, Z111

## **Cooling system**

Z810551, Z811551, Z95, Z962, Z964, Z9641, Z9645, Z9662, Z9665, Z967,  
Z9672, Z9675, Z9676, Z975, ZI8115, ZI8116



These new developments allow even greater flexibility and efficiency in the design process.

Do you have any questions, ideas or requests?  
Then contact your partner at HASCO or send us  
an email at

*digital@hasco.com*



[www.hasco.com](http://www.hasco.com)