Innovative quick change systems for plastic and rubber injection mold machines
Hilma M-TECS magnetic clamping systems offer critical advantages, i.e., all molds can be changed quickly, problem free. The full surface magnetic hold leads to reduced wear on the molds and thereby reduced maintenance costs. The system contains no moving parts and is virtually maintenance free. The Hilma M-TECS magnetic system can be installed on all existing injection machines and/or built into new machines.
Hilma M-TECS 210

The Quick Change System for elastomers and thermosetting polymers. Temperature stability up to 240° C (464° F).

The M-TECS 210 is for rubber processing and also for thermosetting polymer manufacturing. The mold changeover times can be reduced by hours, as it is not necessary to wait for long periods of time for the cooling and/or heating of the molds. With the help of magnet clamping technology, a quick mold change is possible in the hot condition since mold handling is minimized. This provides safety and security.

The absence of T-Slots between heating and the molds creates a more consistent temperature within the mold, which has a very positive effect on production quality. Also, the magnetic plate is available on the M-TECS 210 with an integrated heater. The system is available with and without heating for presses, injection molding machines and for vacuum applications.

For presses and injection molding presses of any size, vertical or horizontal, with and without heating.

Technical data M-TECS 210

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. temperature</td>
<td>210°C (240°C on request)</td>
</tr>
<tr>
<td>Spec. magnetic force</td>
<td>18 kg/cm²</td>
</tr>
<tr>
<td>Effective magnetic force</td>
<td>single: 2-7 kg/cm²</td>
</tr>
<tr>
<td></td>
<td>double: 5-12 kg/cm²</td>
</tr>
<tr>
<td>Magnetic penetration depth</td>
<td>15-20 mm</td>
</tr>
<tr>
<td>Plate thickness</td>
<td>47.5-85 mm</td>
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</tbody>
</table>

Summary of the M-TECS system features:

- perfect technology
- shortest down times
- reduced setup costs
- higher productivity
- small investment
- short amortization
- improved production quality
- reduced manpower requirements

Leaders by innovative technology
Hilma M-TECS
Proven Background

Hilma M-TECS clamping systems originated from applications in the ceramic industry. The magnetic clamping systems have been used for over 30 years under substantially harder conditions than normally found in the plastic industry. This has been proven with a large number of parts in very demanding applications.

Hilma M-TECS 130 and M-TECS 210 are the industry leaders in holding force, safety and reliability. The entire handling and logic of the system is very flexible and user friendly. The Hilma M-TECS products are manufactured by RIVI Magnetics in Italy, which has over 30 years of success in magnet clamping systems. Our magnetic quick change systems, in the rubber industry and thermoplastic processing manufacturing, are the leaders in the industry.

The development of innovative techniques, coupled with excellent know how, has positioned Hilma RIVI as the technology leader in the market.

With the RIVI company as a partner, special innovations are also possible. We can offer to you reliable and competent advice on all questions relating to your individual tool change requirements. Decide on Hilma M-TECS and win with versatility, quality and improved productivity.

**Hilma M-TECS is simply the best**

For further information such as technical data and return on investment computations, we will gladly furnish sample calculations relating to your specific application.