

MBR

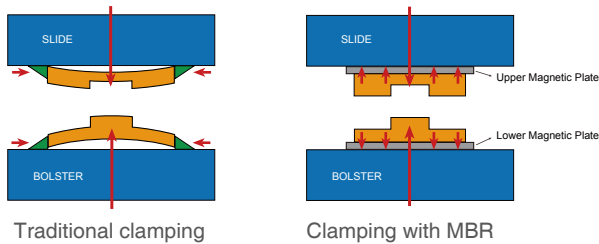
ELECTRO-PERMANENT MAGNETIC CLAMPING SYSTEM FOR QUICK MOLD / DIE CHANGE

Applications

- Thermo set materials
- Rubber compression
- Aluminium injection
- Composite compression
- Rubber injection

Less Mold / Die wear

Due to the clamping force being distributed over the entire surface of the mold it will be held flatter reducing wear on mating surfaces. More productivity due to less downtime to the main mold. Better heat transfer than perimeter clamping.



Powerful

The special magnetic circuit generates high power without leaving residual magnetism in the mold

Safe

The operator can clamp or unclamp the mold without ever touching it. Electro-perm technology requires no electrical energy during operation of the machine. Loss of electrical power does not change magnetic holding force.

Labor saving

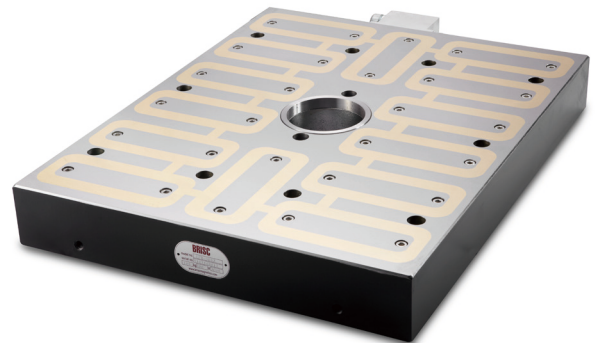
A single operator can clamp or unclamp a mold in seconds without ever touching the mold

Quick

Mold changes takes just a few minutes reducing down time to a minimum maximizing uptime



■ Magnetic platens can be ordered with T-slots to allow lifter installation.



Main features

- Quick mold and die change
- Flexibility to accommodate any size or shape mold/die
- Universal machine interface
- Service temp to 250°C/482°F
- Optional built in heating

Flexible

Molds of any sizes and weights can be easily clamped to the machine platens in a few seconds without any modification.

Reliable

No moving parts, solid frame construction full metallic surface = a long maintenance free life

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Security measures

- THERMAL SENSOR**
 Thermal sensor option can be integrated into e-stop circuit.
- KEY SWITCH**
 Key switch is in each remote control. Without key, system will not operate.
- MSD SENSOR**
 Checks the magnetic quality of the mold
 Checks the air gap which gives separate and redundant safety when combined with a proximity sensor.
 Double checks the current sensing system giving a separate and redundant safety to the CSS system as well.
- CSS SENSOR**
 CSS sensor checks the current passage from the main discharge cables to the magnetic platen.
- PROXIMITY SENSOR**
 An inductive proximity sensor located in the “neutral” area detects the presence of the mold to enable the activation of the magnetization cycle. The 0,2 mm (0.007 in) threshold value prevents any “open field magnetization” to grant the operator safety and it immediately halts the machine functions in case of mold detachment. The full safety for the operator is also granted.
- BDC SENSOR**
 Bottom dead center interlock prevents de-mag unless press is closed.
- MOLD CHANGE MODE**
 Only activated in Mold change mode/Die set mode

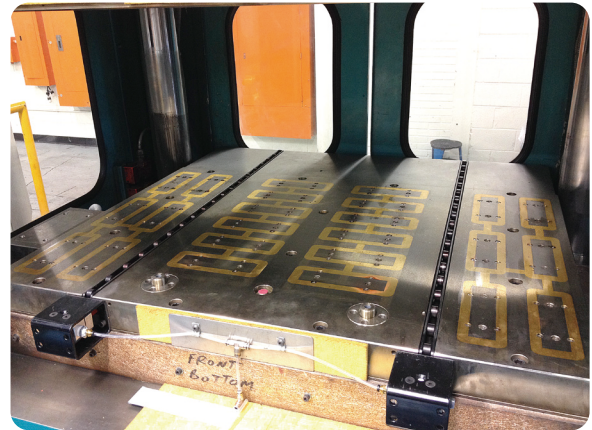
Easy installation

Only a few bolts are needed to fix the magnets to the machine platens. The interface with the machine follows the international safety EUROMAP/SPI/JIS standards.

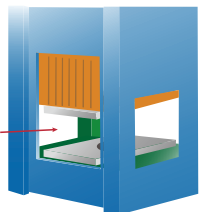
No die modifications

MBR can hold molds or dies of any size or shape. MBR creates cost saving by reducing engineering time compares to other clamping methods.

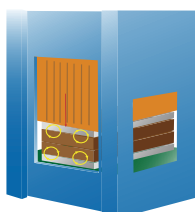
Applications



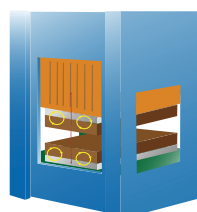
- One operator, with no tools, can operate all the die-clamping procedures easily and in total safety, outside the press.**



Easy to install



Fast and Easy



Safe and Uniform