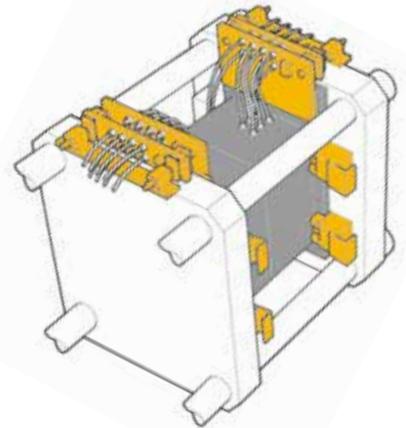


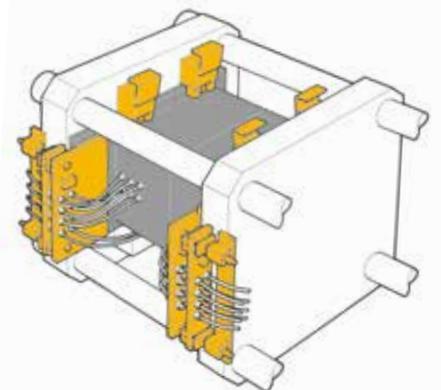
Automatic multi couplers

EAS multi couplers include the following types automatic couplers;



For vertical loading of molds

Designed for molds with many connections. With one or two moving docking cylinders to connect circuits independently of molds and machine movements.



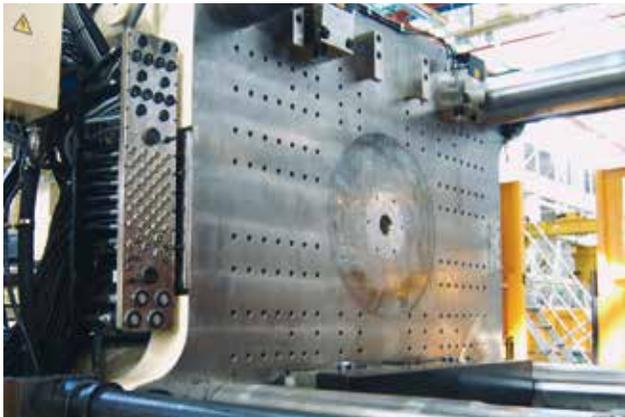
For horizontal loading of molds

Similar to vertical loading except the mounting of the multi couplers is at the side of the machine.

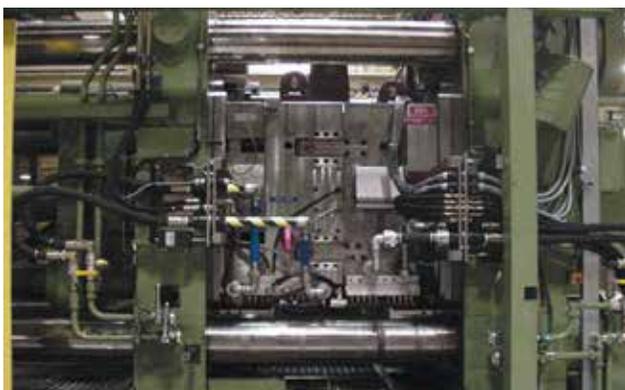
SIMPLE, LEAK PROOF AND FAST CONNECTION OF ALL YOUR FLUID AND ELECTRIC CONNECTIONS



This 2700 t injection molding machines with horizontal loading, has standardized multi couplers on the movable and fixed side of the machines. Connections for cooling water, hydraulics for core pull cylinders and electric for heating and signals, are automatically connected and disconnected. This connection takes less then 30 seconds. All couplers feature the leak proof couplers, keeping floor and envirement clean.



This multi coupler system for horizontal loading connects water and electric connections trouble free in less than 20 seconds. Another advantage of these multi couplers is that misconnections are being made any longer, which reduces the amount of bad products.



Large size 37 mono couplers are part of the multi couplers on this machine to connect leakproof large cooling lines. This in combination with heating oil connections and electric connections results in a total mold change time of less than 15 minutes in combination with hydraulic clamping and a vertical mold change by means of an overhead crane on this 2300 t machine. Fast, safe and clean.

Multi couplers can be used with different EAS couplers.

Most applications use our leakproof self locking couplers type CQF and CQM, where the two multi coupler halves are locked together by each individual mono coupler. These couplers are available from size 6 to size 45 up to 1500 l/min and for hydraulics up to 200 bar pressure. Special connect under pressure couplers are also available.

The advantage of self locking couplers:

Self locking couplers contain the separating forces which occur when pressurized. By containing these separating forces within the body of the coupler we are able to reduce the stress on the coupler plate and cylinders.

The other advantage with our CQF/M couplers is that if the mold is not in the machine, each coupler can still be connected for testing purposes.

Because of the leak proof design we can combine water, air, hydraulic as well and electric connections into one automatic multi coupler.

EAS also offers standard VDMA multi couplers. The number, position and arrangements of energy connections for automatic changing of injection molds are specified and standardized according to VDMA 24464 and Euromap.