

## SENSORS ON THE PERMANENT MAGNETIC CLAMPING SYSTEMS

Safety has a high priority on our product development list; our customers' safety when working with EAS products.

We have developed a new so called 4 in 1 sensor on our magnetic clamping systems.

This sensor is applied on the Pressmag SP system and is built into one of the square round poles.

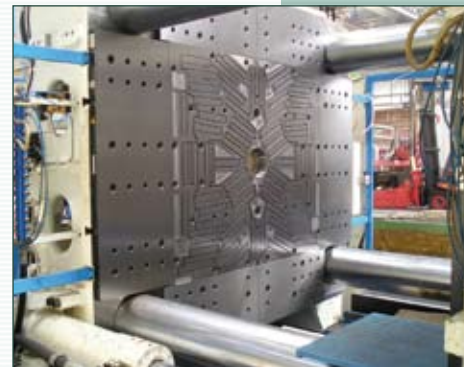
We have called it 4 in 1 because we have combined 4 sensors in one pole without taking up a lot of space. The 4 functions sensed are;

- 1) mould detection as without a mould the system will not work.
- 2) flux sensor to determine a change in flux in case an air gap between the clamping system and the mould is becoming too big. This will stop the machine and you will have to check and clamp again on the system in order to continue .
- 3) flux sensor to determine if the clamped material of the

mould is made of steel or not. If for example the mould is made of aluminium, the magnetic flux is changed in such a way that the system can not be operated and

4) a temperature sensor on the fixed plate, giving a stop signal to the machine if the temperature is higher than the max temperature of the SP system, which is 150°C.

It is important to mention that all these sensor signals would not prevent the mould from being pushed away from the magnetic clamping systems. The only truly safe way to avoid this is to equip the pressmag system and the moulds with our patented mechanical safety device. This device is also on display and in action at our demo unit at the show.



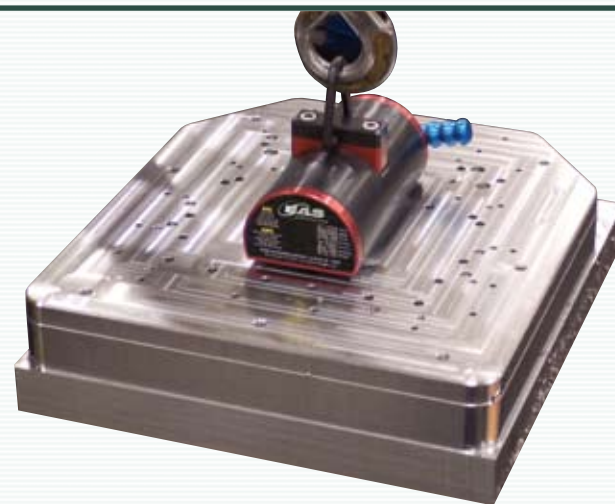
## HAND CONTROLLED PERMANENT MAGNET LIFTERS

EAS has recently introduced the EAS lifters: hand controlled permanent magnet lifters to easily lift heavy steel plates, steel bars or moulds in a safe manner.

Our exclusive Test talon feature allows the operator to safely test load feasibility, while a

deep "V" notch between the pole shoes allows greater stability when lifting round steel bars.

On [www.EASlift.com](http://www.EASlift.com) you will be able to order the whole EASLift permanent magnet lifters range quickly and easily.



For addresses and other information please see our website:

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

MOULD & DIE CHANGE SYSTEMS

make  
**THE CHANGE**  
to **EAS**  
MOULD & DIE CHANGE SYSTEMS

Periodical about QMC and QDC changing systems 2007 - 17



Hall 10 - D51

## EAS ON THE K 2007 SHOW

Dear customer,

Many of you will feel the same way we do: is it really already 3 years since the previous K show? Yes it is, as time moves quickly nowadays. As never before time is money and with companies moving across the globe to find cheaper labour costs, the EAS cost saving solutions for SMED (Single Minute Exchange of Dies) are being applied increasingly all over the world.

At the EAS booth in Hall 10 B 51 at the K show we will present many new and established Quick Mould Change (QMC) solutions that will help you to reduce unproductive and expensive down time on your machine during a mould or die change.

Our solutions not only reduce labour costs but are very safe for your operator and can reduce your inventory drastically, resulting in lower manufacturing costs.

The EAS organization follows global market changes.

After the acquisition of magnetic clamping know-how from Walker Brailon in 2005, EAS created EAS France in 2006 with an engineering and sales office for our magnetic clamping systems. Philippe Aubert is the General Manager.

In Italy we founded EAS Med to cover more efficiently the plastic injection moulding market and to support and supply the countries around the Mediterranean Sea with our SMED solutions. Our offices are located just outside Milan, with Walter Bramilla as general manager.

Recently EAS also founded EAS Gienkee in Shanghai China to support the fast growing market in that part of the world with Vincent Nijzink as general manager.

### Colofon

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**EAS**  
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Mould rotator units for 3 t till 60 t moulds.

Sometimes these market changes also require new products or a new approach. For markets that require just a simple single acting hydraulic clamping system we will be introducing new solutions during the K show. These solutions will also be introduced in this periodical. We will furthermore introduce mould tilting solutions and an updated small inspection unit to handle your expensive tools with the care required.

In our newly introduced coupler catalogue a complete new mono coupler range is available. It offers different solutions for air, water and hydraulic connections for several types of applications. Besides mono couplers, we will also display our complete range of manual multi couplers as well as fully automatic multi couplers.

Last year we introduced new permanent magnetic clamping systems. Today these Pressmag systems are sold successfully all over the world. For purposes of optimization we are now introducing a new sensing system with a 4 in 1 sensor, which will be highlighted in this periodical as well.

We would like to invite you to our K show booth in Hall 10 B51, to show you these solutions and their benefits to you in more details. See you at the K show!

Harm Nijzink  
President of EAS Holding BV

Complete range of mono, manual multi and automatic multi couplers in a new catalogue in your language.



# SIMPLE SINGLE ACTING HYDRAULIC CLAMPING SYSTEMS WITH AIR HYDRAULIC PUMP UNIT



In several markets there is only demand for simple hydraulic clamping solutions. EAS is therefore introducing a new range of single acting hydraulic rocker clamps to cover the injection mould and die casting machine range from 50 till 3200 t closing force.

The range is available with the following clamping capacities: 2 t, 4 t, 6 t, 10 t, 16 t and 25 t. The single acting cylinders are equipped with one single hydraulic hose connected to a compact air hydraulic pump unit. This pump unit runs on 4 till 6 bar air pressure and is equipped with valves, pressure switches, a gauge and a reservoir with oil level indicator.

If the clamping pressure set with the pressure switch is reached, the pump stops. If the pressure drops with more than 5%, the pump unit automatically switches on until the right set pressure is reached again. To release the clamping pressure the valve is actuated and the spring loaded cylinders are retracted from the mould.

The cylinders are mounted into the standard T slots of the machine plate and can be equipped with check valves and in most cases a double circuit is selected for safety reasons to actuate 2 by 2 cylinders separately on the movable and fixed side of the machine (see hydraulic scheme drawing).

In case of non standardized moulds the rocker clamps can be moved into T slots of the machine plate with air operated cylinders. In case no T slots are available on the plate but the machine plate is equipped with for example Euromap mounting holes we provide fixed mounted rocker clamps as well.



Because the cylinders are single acting and there are no sensors, these solutions are very attractively priced and come together with a simple and cost efficient pump unit and control box. IdEAS come from EAS.

## EAS-GIENKEE MOULD & DIE CHANGE SYSTEMS CO. LTD. IN CHINA



EAS presentation at Gienkee Plas Center, Shanghai.

In China EAS works together with Gienkee ([www.gienkee.com](http://www.gienkee.com)) and we have our offices in the beautiful newly built Gienkee Plas Centre. This building is a unique office, exhibition -, training- and promotion centre in China for injection moulding machines and their ancillary equipment market. Many well known companies, such as Demag, Wittmann, Haitian, Star, Keba and others such as EAS have equipment on permanent display at the Gienkee Plas Centre. For many European and USA based companies Gienkee

provides an opening to the huge but difficult Chinese market. This is why you will find our Chinese partner at our booth during the K show.

If you are considering starting business in China and do not know how or where to start, come and visit the Gienkee desk at our booth and talk to them. You will be surprised at the possibilities.



## EAS MOULD ROTATOR UNITS

Moulds and dies are expensive tools and need to be handled accordingly. It is therefore surprising to see how these expensive tools are treated in many companies.

In many cases an overhead crane is still used when moulds need to be rotated or opened for inspection or maintenance. This is both dangerous for the operator and for the moulds.

EAS now offers a range of mould rotators. With these units the

mould can be easily turned 90 degrees. These units are available for mould weights from 3 t till 50 t.

When space is an issue EAS also offers a range of floor-mounted tilting units. When not in use the unit stays on floor level enabling forklift trucks or other vehicles to drive over it. These units are available till a mould weight of 30 t.

Ask for the new catalogues of these units in your language.

## EAS MOULD INSPECTION UNITS



For maintenance of expensive moulds and dies EAS offers a wide range of inspection units. With these units one can mount the moulds, open them and if wanted tilt one or two sides for easy mould inspection, maintenance and or repair.

Our Optim series for moulds till 3000 kg is now also available

with a mould mounting plate. You can mount round or any other mould shape against these plates and then separate the mould halves manually. A very economic and efficient way for mould maintenance on smaller moulds.



## EAS COUPLER CATALOGUE



Next to our ranges of manual multi couplers and automatic multi couplers to connect quick and trouble free water cooling, hydraulics, air and electricity connections EAS has expanded its mono coupler programme with several Stäubli mono couplers. These are meant for water and air cooling applications such as the well known RPL series, the RMI series and the clean break SPI couplers.

In addition to the clean break EAS EIRF/M series for hydraulic connections, we offer the SPX, HPX and SBA series of Stäubli. Also for steam and hot oil applications EAS can provide you with the right couplers. Ask EAS for the coupler catalogue where you can find many different coupler solutions in your language.

