

Saving time and money with innovative Tool Change Solutions from EASchangesystems

Renswoude, The Netherlands – EAS Europe B.V. – EASchangesystems offers a complete range of single-source factory automation solutions for the injection moulding, metal stamping and related industries. Included are Quick Mould Change (QMC) and Quick Die Change (QDC) equipment, hydraulic and mechanical work holding devices, magnetic clamping tools, mono couplers and automatic multi coupler systems, plus a wide selection of materials handling and storage vehicles.

Newly added to the EASchangesystems' product line is an extended range of Automatic Multi Couplers, Rocker Clamps, a new Permanent Electro-Magnetic Clamping unit; the Pressmag SP 100, and a complete new line of powerful materials handling equipment.

Automatic Multi Couplers ensure quick and secure connections of mould heating and cooling systems. Rocker Clamps are simple, easy to use clamping devices to fit T-slot press plates. The Pressmag SP 100 system is specially designed for machine back-plates operating in temperatures up to 100° C. And innovative Materials Handling Equipment allows operators to safely, quickly and efficiently move heavy, awkward loads weighing up to 200 tons.

All these new products from EASchangesystems are extremely cost effective and play a major part towards reducing manufacturing times and increasing machine productivity.

EASchangesystems expands Automatic Multi Couplers range to meet specific connector arrays

The extensive line of Mono Couplers and **Automatic Multi Couplers** from EASchangesystems is growing again. This time with additional units in various diameters to meet the growing demand of tailor-made connections for specific applications. But not just the number of models has been enlarged, EASchangesystems has also been able to further improve functional quality.

EASchangesystems adds new Rocker Clamp models for greater application flexibility

Featuring single-acting hydraulic cylinders, the new line of **Rocker Clamps** from EASchangesystems is designed for use with T-slot openings of presses. In principal, these Rocker Clamps are not mounted in a fixed position on the press plate, but are installed in such a way that they can be moved manually or, when connected to an air-operated slide mechanism, automatically into position to fit precise tool dimensions (illustrations 1a & b). Mould clamping becomes quick and easy without the necessity to use standardized, additional adapter plates. It is thus possible to greatly rationalize applications – especially those carried out on early-design injection moulding machines.

Furthermore, using single-acting hydraulic cylinders requires only one hydraulic line... and only one hydraulic connection. Retrofitting existing moulding machines with these Rocker Clamps becomes thus simple – without great expense. And should it not be possible to access the moulding machine's hydraulic set-up, EASchangesystems also offers a complete line of hydraulic power pumps.

EASchangesystems adds new model of Permanent Electro-Magnetic Clamping unit; the Pressmag SP 100

Permanent Electro-magnetic Clamping solutions have become an innovative alternative to the hydraulic clamping method – especially in applications where it is necessary to apply an evenly spread clamping force. A clamping force that is applied equally across the entire press plate reduces component wear and tear and eliminates the possibility for the clamping system to bend – which consequently shuts down the moulding machine and completely stops production.

In 2005, with the acquisition of Walker-Braillon – the French originators of electro-magnetic clamping technology – EASchangesystems has been able to increase their knowhow and expand its **Pressmag** product line of **Permanent Electro-magnetic Clamping** solutions.

In addition, with the inauguration in 2008 of their new manufacturing facility in Wujiang, China, EASchangesystems has gained access to the world's best magnetic materials.

This combination of technology expertise and production capability enables EASchangesystems to offer every sector of the injection moulding, metal stamping and related industries a complete line of cost-effective **Permanent Electro-magnetic Clamping** solutions. From the powerful **Pressmag HP** series for applications up to 5'000 tons to specially designed **Pressmag SP** models capable to operate in high temperatures conditions up to 240° C.

New Pressmag SP 100

Permanent Electro-magnetic Clamping system

Best suited for standard-size injection moulding machines up to 400 ton capacity, the new **Pressmag SP 100** Permanent Electro-magnetic Clamping unit from EASchangesystems works best in temperatures of up to 100° C. It features the small, 47 mm x 47 mm square pole design and has all platen elements protected with resin sealing (illustration 2). The relationship of cost vs. productivity is particularly attractive with the **Pressmag SP 100** model.

This latest addition to the **Permanent Electro-magnetic Clamping** product line from EASchangesystems complements the already industry-proven **Pressmag SP 150** series. Capable to operate in injection moulding applications carried out at temperatures of up to 150° C, these models also feature the small, 47 mm x 47 mm square pole design, but are equipped with a laser-cut stainless steel mesh that seals and covers the complete system, providing an easy to clean, perfectly flat steel-to-steel surface (illustrations 3a & b).

New range of innovative, Heavy Industrial Load handling equipment

Handling heavy and often awkward loads such as tools, moulds, dies, coils, frames, fixtures, parts and assemblies safely, quickly and efficiently are frequent applications in any manufacturing facility. And the bigger the operation, the more complex the materials handling challenge (illustrations 4 to 5).

And here, too, EASchangesystems is once again strengthening its position as global, single-source leader in factory automation solutions – with an extensive new range of highly efficient **Heavy Industrial Load Handling** equipment.

Cost-effective Tugtrucks from EASchangesystems

Standard-drive electric **Tugtrucks** from EASchangesystems are simple to use and easy to handle. Extremely strong with high torque capacity and powerful hydraulic lifting and lowering capability, **Tugtrucks** offer precision maneuverability and allow fast release of loads. Capable to handle up to 10 tons.

Simple to use Hand Pallet Trucks from EASchangesystems

Tailor-made **Hand Pallet Trucks** from EASchangesystems are designed to meet specific applications. These highly flexible and very maneuverable transportation vehicles use hydraulic power to safely lift and lower any load. The full 180-degree

turning radius makes navigation easy and secure – even in tight quarters. Capable to handle up to 50 tons.

Powerful Flatbed Trucks from EASchangesystems

Flatbed Trucks from EASchangesystems are ideal to quickly and easily maneuver extremely heavy loads that need more space than is available with conventional transportation methods. Available as airfloat units or battery powered electric-drive models. Capable to handle up to 100 tons.

Flexible Coil Cars & Coil Tippers from EASchangesystems

Specialized **Coil Cars** and **Coil Tippers** from EASchangesystems put an end to problems with load shifting, load damage, and awkward loading and unloading of coils. Highly mobile, these battery-driven vehicles move coils quickly and securely. Capable to handle coils weighing up to 100 tons.

Efficient Airfloat Transporters from EASchangesystems

Maneuvering heavy loads is fast and easy with **Airfloat Transporters** from EASchangesystems. Floatation allows these units to move with exceptional mobility in restricted areas and around pillars. Capable to handle up to 150 tons... and more.

Automated Rail-guided Transporters from EASchangesystems

Automated Rail-guided Transporters from EASchangesystems consist of a railroad network and transport vehicle(s) – the latter being equipped with sensors for detecting optical, acoustic, thermal, and acceleration data. The sensors, in turn, interact with active and passive transducers located within the rail system, making maneuvering precise and quick. Capable to handle up to 200 tons (illustrations 4a & b).

This state-of-the-art **Heavy Industrial Load Handling** equipment from EASchangesystems – as well as the aforementioned **Automatic Multi Couplers**, **Rocker Clamps** and **Permanent Electro-Magnetic Clamping** units – all have a common purpose; helping manufacturers improve productivity and reducing operating costs.

Photo captions:

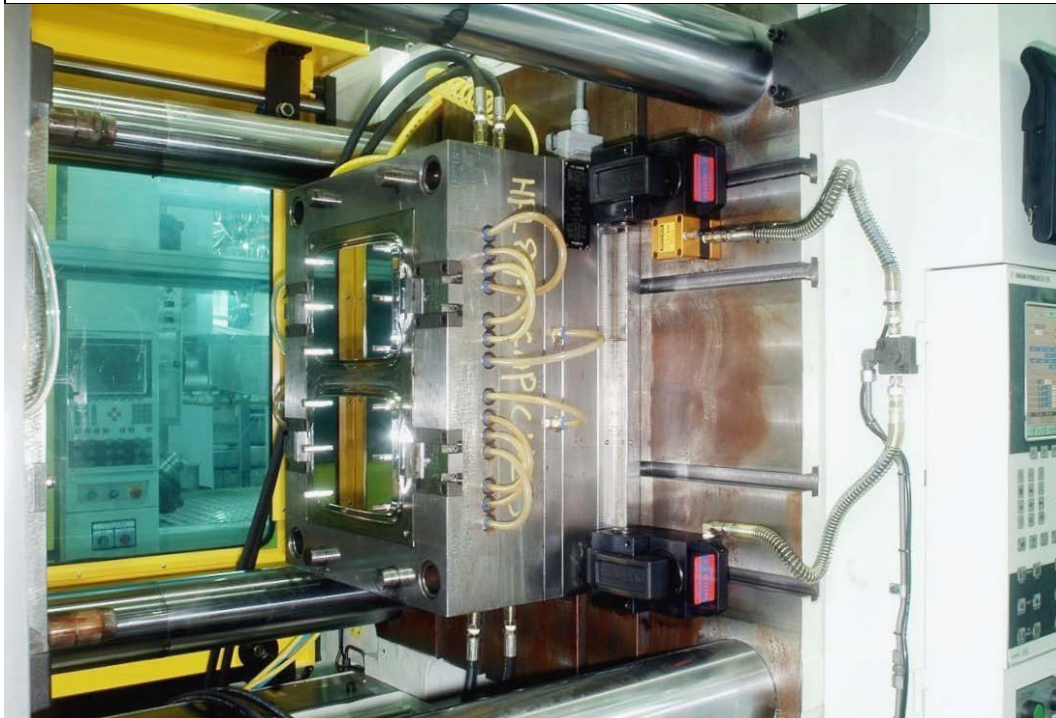


Foto: EAS Europe B.V.

Illustrations 1a & b: New **Rocker Clamps** from EASchangesystems are designed for use with T-slot openings of presses – making mould clamping quick and easy without the use of additional adapter plates. (Photo: EASchangesystems)

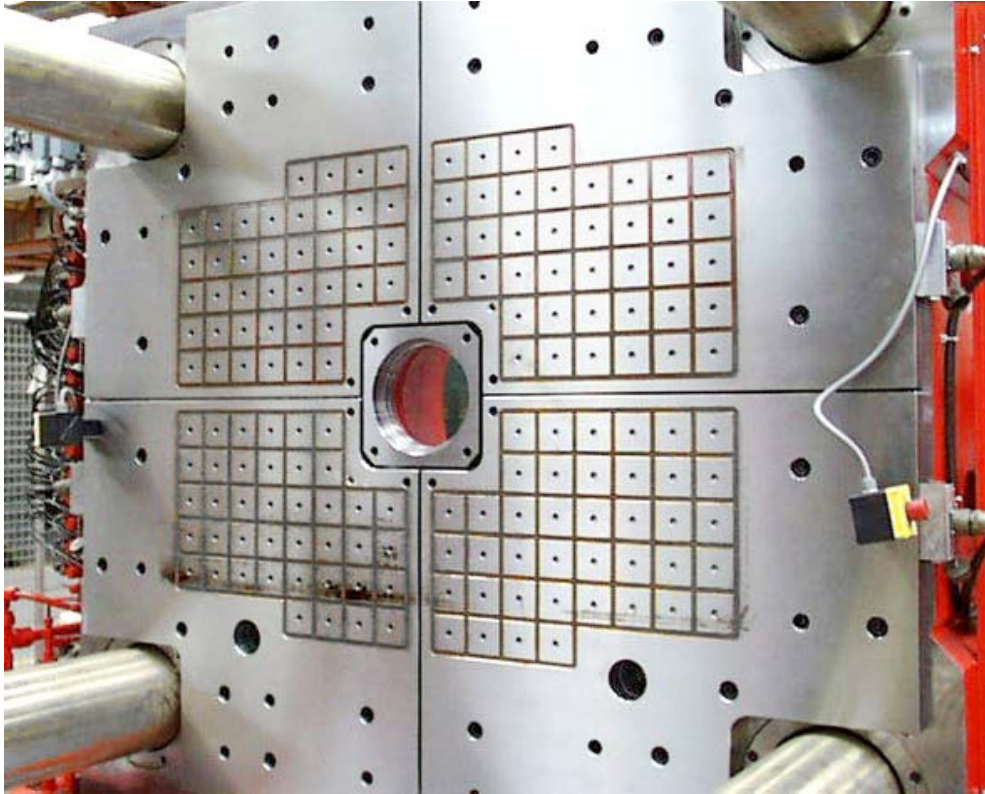
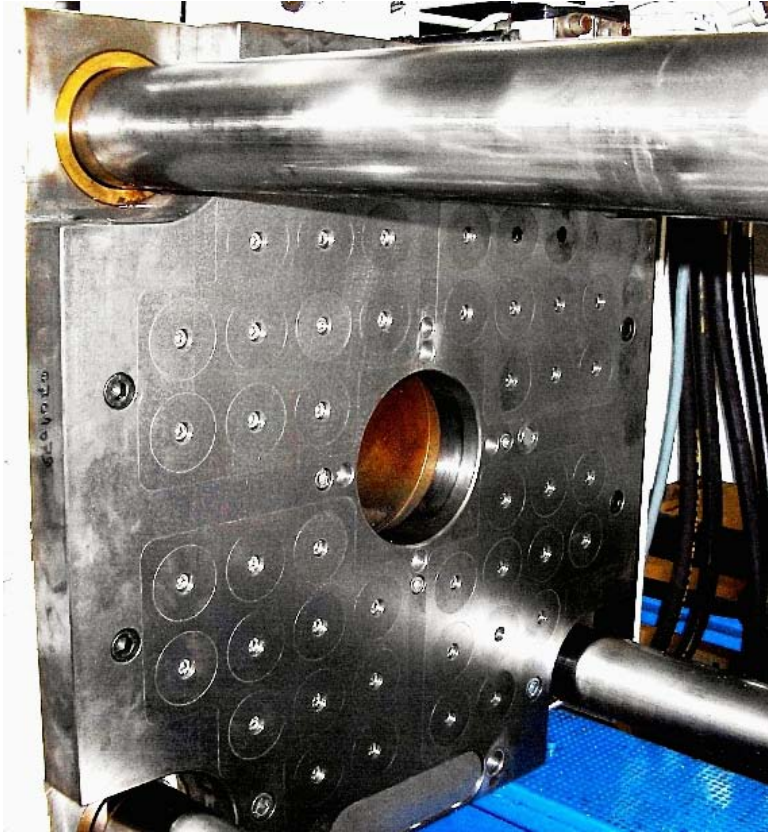


Illustration 2: The new **Pressmag SP 100 Permanent Electro-magnetic Clamping** unit from EASchangesystems is ideal for standard-size injection moulding machines up to 400 ton capacity and operating in temperatures of up to 100° C. It features the small, 47 mm square pole design and resin sealing. (Photo: EASchangesystems)





Illustrations 3a & b: The already industry-proven **Pressmag SP 150** range of **Permanent Electro-magnetic Clamping** models is capable to operate in injection moulding applications carried out at temperatures of up to 150° C. Featuring the small, 47 mm square pole design, these models are equipped with a laser-cut stainless steel mesh that seals and covers the complete system. (Photo: EASchangesystems)



Fotos: EAS Europe B.V.

Illustrations 4a & b: With the addition of an extensive new range of highly efficient **Heavy Industrial Load Handling** equipment, EASchangesystems is once again strengthening its position as global, single-source leader in factory automation solutions. Illustration 4a shows a simple, manually operated **Mould Inspection** set-up from EASchangesystems. Illustration 4b shows a medium-size service unit from EASchangesystems used for the purpose of handling injection moulds for the opening and tipping operation. (Photo: EASchangesystems)



Foto: EAS Europe B.V.

Illustration 5: Handling heavy moulds and dies in the injection moulding, metal stamping and related industries are challenging operations. Here, a fully automated **Tilting System** from EASchangesystems ensures safe, quick and efficient materials handling – making it possible for manufacturers to improve productivity and reduce operating costs. (Photo: EASchangesystems)

About EASchangesystems Company

EASchangesystems are leading-edge innovators in the design and manufacture of factory automation solutions and have been serving the injection moulding, metal stamping and related industries for more than 20 years with state-of-the-art Quick Mould Change (QMC), Quick Die Change (QDC) and magnetic clamping systems (MCS). EASchangesystems employs some 30 people worldwide and has three main manufacturing plants in the Netherlands, France and China. To support its customers wherever they may be, EASchangesystems has a worldwide organization of sales and service facilities... fully backed by an extensive network of dedicated partner companies and their local distributors. Additional information can be found at www.EASchangesystems.com.

Forward Looking Statement:

This release includes forward-looking statements. Actual information can vary materially, due to changes in current expectations. The forward-looking statements contained herein concern new technologies, products, product performance, corporate plans and development and involve risks and uncertainties and are subject to change.

Contact:

EAS Europe B.V.

Harm Nijzink

Chief Executive Officer

De Hooge Hoek 19A

NL-3927 GG Renswoude

info@easchangesystems.com

www.easchangesystems.com