

## **Quick Tool Change solutions from EASchangesystems – now also available for Blowmoulding, Rotomoulding and Deep Draw Process applications.**

**Renswoude, The Netherlands – EAS Europe B.V. – Changing moulds quickly and easily to ensure continuous manufacturing operations has mostly been a concern for the plastic injection moulding industry. Depending on the production set-up, the mould change method used can involve simple solutions with a combination of forklift truck, roller system and manual clamps, to advanced installations such as air float transporters or rail-guided vehicles with fully automated mould change devices. And EASchangesystems has been at the forefront of Quick Mould Change (QMC) developments for over 20 years.**

**With the constant advancement of production technology and increasing demands to lower operating costs everywhere, more effective tool change methods have now also become an everyday concern for applications related to the plastic injection moulding industry; i.e. Blowmoulding, Rotomoulding and Deep Draw processes. And once again, with its extensive experience and in-depth knowledge of the manufacturing industry, EASchangesystems is leading the way with tailor-made Quick Die Change (QDC) solutions that are highly cost-effective.**

EASchangesystems; global, leading-edge innovators in the design and manufacture of advanced factory automation equipment, has gained a worldwide reputation for excellence through the installation of hundreds of time-saving Quick Tool Change solutions that greatly boost manufacturing output – at the same time significantly reducing production costs.

Building on their extensive experience with QMC applications in the plastic injection moulding industry, EASchangesystems applies the same state-of-the-art technology to QDC solutions to match the operating conditions of presses and stamping machines in the sheet-metal and related industries.

Throughout the world, EASchangesystems is helping small, medium and large manufacturing companies to efficiently solve their work handling problems. And nowhere else then in the automotive industry has the demand for less time consuming and more cost-effective production methods become more evident. The larger variety of product designs, wider use of interchangeable parts, and greater flexibility during the manufacturing process have all put more demands on man and machine.

In addition, suppliers to the automotive industry increasingly have to deal with JIT (Just-In-Time) and JIS (Just-In-Sequence) requirements they receive from the automobile manufacturers. Single Minute Exchange of Dies (SMED) applications have become the rule, rather than the exception. However, EASchangesystems is there with the appropriate solution – every step of the way... with clamping devices, cooling and heating systems, couplers, work handling equipment and transport vehicles, plus service and support that is second to none (illustrations 1a & b).

Furthermore, by placing increasing demands on machines and tools, the complexity and size of manufacturing equipment also grew. Today, fully automated moulding machines, metal presses and stamping installations are a frequent site in manufacturing plants. And whilst the reduction of production costs helps to make products more competitive, machines and applications have also become safer and easier for employees to operate.

## **Blowmoulding**

Substantially different in concept and functionality when compared with conventional injection moulding machines, the Blowmoulding and Deep Draw Process method places great demands on the operational set-up due to complex requirements for peripheral equipment. Accessibility becomes a major issue.

This obstacle, however, is easily overcome with the Laser-guided Tool Change Transporter solution from EASchangesystems (illustration 2a) with outstanding maneuverability features. This state-of-the-art system allows precise control of movement through a combination of linear directional changes and the capability for on-the-spot turns – thus making it possible to operate in even the most confined spaces. Similar to tool change vehicles used for injection moulding machines, the Laser-guided Tool Change Transporter for Blowmoulding applications is equipped with a self-powered slide-in, slide-out platform. Also available are fully automated multi-coupler systems (illustration 2b).

## **Deep Draw Process**

Manufacturing equipment for Deep Draw Process applications generally uses the lateral, or vertical feeding and dismounting method for dies. And here as well, EASchangesystems' extensive worldwide experience ensures that tailor-made Quick Die Change solutions are readily available to meet every need. From simple Tugtrucks and Hand Pallet Trucks (illustration 3) to sophisticated Flatbed Trucks, Air float Transporters or Automated Rail-guided Vehicles. The loading or unloading of dies is carried out manually or with power assistance – usually depending on the size of dies.

## Rotomoulding

Greater flexibility is now also more and more required from production runs that, by tradition, take a long time to complete; i.e. applications such as Rotomoulding and Extrusion. But here too, EASchangesystems offers a range of cost-efficient Quick Tool Change solutions that greatly help in the automation process – reducing manufacturing costs... increasing profitability.

Photo captions:





Foto: EAS Europe B.V.

Illustrations 1a & b: Quick Mould Change solutions from EASChangsystems are very cost-effective. Illustration 1a shows a manufacturing application with two injection moulding machines that work in combination with three Tool Change Tables. Illustration 1b shows an Automated Rail-guided Transport Vehicle. (Photo: EASChangsystems)





Fotos: EAS Europe B.V.

Illustrations 2a & b: Accessibility is a major issue with Blowmoulding applications. The Laser-guided Tool Change Transporter solution from EASchangesystems (illustration 2a) offers outstanding maneuverability. Illustration 2b shows a multi coupler installation that ensures fully automated, trouble-free connections of cooling and heating systems. (Photo: EASchangesystems)



Photo: EAS Europe B.V.

Illustration 3: Deep Draw Process applications generally use the lateral, or vertical feeding and dismounting method for dies. Tugtrucks and Hand Pallet Trucks from EASchangesystems are ideally suited to ensure tools are changed quickly, easily and safely. (Photo: EASchangesystems)

### ***About Quick Mould Change (QMC) and Quick Die Change (QDC) solutions from EASchangesystems***

*EASchangesystems offers small, medium and large companies in the injection moulding, metal stamping and related industries throughout the world a dynamic and lasting partnership in factory automation involving Single Minute Exchange of Die (SMED) applications as their one-source solutions' provider with a full range of innovative products, systems and services to boost manufacturing processes, speed of turnaround and cost efficiency. But Quick Mould Change (QMC) and Quick Die Change (QDC) solutions from EASchangesystems will not only reduce users' manufacturing costs and make their products more competitive, they are also safer and easier for employees to operate. Additional information can be found at [www.EASchangesystems.com](http://www.EASchangesystems.com).*

## **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](http://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.*

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