



PRESS RELEASE

"EPSOLUTION"

- New Crane Series from the EPSILON Company Launches at the KWF Conference.

- ◆ EPSOLUTION. Solution-oriented crane series with top-class performance.
- ◆ EPSCOPE. Optimised boom system for even greater ease of maintenance.
- ◆ EPSLINK. Intelligent interface between crane boom and grab
- ◆ Most comprehensive range of standard equipment in the series
- ◆ Maximum possible flexibility and individuality due to modular construction
- ◆ New model classification for better overview
- ◆ Intelligent solutions for ON-ROAD, OFF-ROAD and RECYCLING
- ◆ EPSILON extends its lead still further.

Elsbethen, 8th May 2008

"Continuation of our innovative strategy is a certainty!" This statement made by Hans Friedrich, Managing Director of EPSILON, following the successful launch of the OFF-ROAD crane series at Interforst 2006 in Munich is now being put into practice in the new "EPSOLUTION" crane generation. Experience gained from the existing ON-ROAD crane series which has been on the market for eight years, highlights from the OFF-ROAD series in addition to numerous suggestions and ideas generated from practical use have been brought together in the development of the new ON-ROAD timber loading cranes which will be presented to the public for the first time from 4th to 7th June 2008 at this year's KWF conference in the German town of Schmalleberg.

In line with the saying, "The customer is the best developer", EPSILON is always receptive to their wishes and suggestions. Product enhancement aims to integrate optimum customer benefit in respect of operating convenience, technical advantage and safety in the loading cranes. It is no rarity for EPSILON designers to carry out their "field studies" in real life situations where the cranes are being used in order to better understand the practical requirements. For EPSILON - focusing as ever on the declared goal of "making customers more successful in their jobs" - development of the new crane series was all about increasing efficiency, ease of repair and ease of maintenance.

As the name "EPSOLUTION" clearly indicates, the new cranes are characterised by numerous solution-oriented features, which make the crane driver's job easier and as comfortable as possible. EPSCOPE and EPSLINK as highlights of the new crane generation are part of the equipment which is standard for this series.

EPSCOPE. This is the patent-pending, newly revamped and optimised boom system of EPSILON cranes resulting in maximum efficiency and ease of maintenance. Thought through to its logical conclusion from extension, crane tip and load slings to rotator, the system is ground-breaking in the industry with its hose guidance completely enclosed inside the unit.

The "closed" system prevents branches from getting caught and damaged hoses are thus a thing of the past. If, however, it is necessary at some time or another to replace a hose on site, this becomes child's play thanks to easy dismantling of the guard plate. Specially developed hoses ensure a correspondingly long service life.

A chain drive for extreme loads, maintenance-free, ball bearing guide rollers and a lubrication system for the retraction chain reduce the maintenance effort to a minimum.

EPSLINK. The newly developed, patent-applied for EPSLINK load sling, which intelligently bridges the sensitive interface between boom tip and rotator due to its hose guidance enclosed inside the unit, is considerably stronger than conventional load slings. The rugged four-leg cast steel articulated joint prevents any play in the bearing points due to its compact construction. "Deflection" is prevented even under the most severe conditions. The highly wear-resistant hoses, which are protected inside the unit, have an impressively long service life and are exceptionally easy to maintain.

Every market and every industry has its own conventions and requirements. As a result, "EPSOLUTION" cranes are available with different boom systems and design variations: there is a choice of single telescope, double telescope and TRIPLE Z versions available with different outreaches. Different control versions such as rear high seat, lateral high seat, manual standing platform, standing platform with radio remote control, radio remote control, cab with joystick control, cab with manual control and XL cab for chipping deployments and stationary superstructures offer the appropriate solution for every requirement.

No other manufacturer offers cranes with such a breadth and diversity of equipment both in the standard version and customised versions.

EPSILON has created a better overview of the individual performance classes with a new classification system (M, Q, S and C). The cranes are available as usual as L or Z cranes. In the HPLS (high power lifting system) version, the cranes have an increased lifting torque with simultaneous reduction in the working speed due to an increase in pressure - a function which comes into its own during the occasional manipulation of very heavy loads.

The cranes of the M (10 to 13 mt) and the Q class (15 to 18 mt), the first representatives of which will be showcased at the KWF conference, will be available from autumn 2008.

Overview of M and Q models

M class (10 to 13 mt)		Q class (15 to 18 mt)	
L cranes	Z cranes	L cranes	Z cranes
M100L	M100Z	Q150L	Q150Z
M110L	M110Z	Q170L	Q170Z
M120L	M120Z	Q180L HPLS	Q180Z HPLS
M130L HPLS	M130Z HPLS		

Unmatched in quality, performance, convenience, safety and variety of equipment, EPSILON continues to extend its overall lead with its new "EPSOLUTION" generation and remains far and away the number one in Europe. Visitors to the KWF conference will have something to look forward to!

*) TRIPLE Z

Crane producers are faced with a new truck installation situation due to the introduction of the EURO4/5 trucks. EPSILON has been the first producer in the most recent past to deal with this situation from a structural design point of view and with its TRIPLE Z construction has developed an ideal solution in answer to the restricted space conditions.

The designation "TRIPLE Z" arises from the fact that the crane in question is a Z-shape with a total of 3 extensions (1 main boom and 2 knuckle booms). In detail, the crane is equipped with a completely new telescopic main boom in addition to the standard double telescope with protected hoses and toggle joints located on the inside.

This telescopic main boom can be extended by 1,000 mm and controlled by way of an additional hydraulic function on the control valve. The advantages are clear: in the retracted state, the crane has a very short, compact parking length. Nevertheless, excellent outreaches are achieved when extended.

Convenient additional benefits: Due to the extended main boom, the crane has a geometry which is similar to that of an "L-crane". A hook height of over 4.1 m (almost 80 cm more than a conventional Z-crane) pays off when unloading recycling containers and manipulating scrap vehicles.

If one returns the crane to the parked position (folded up with main boom retracted), the main boom only projects 170 mm below the installation level. - An advantage which benefits customers particularly in the case of front installations on EURO4/5 truck chassis which provide less space for crane installation due to the additional urea tank.

Thanks to the extremely slim design of the main boom, the crane including 250 l standard polyp grab with 5 full shells or 500 l clamshell grab can be folded up within the permitted maximum vehicle width of 2.55 m.

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