

Worldwide success with the market launch of the GX series of KraussMaffei

GX series also due to be presented at Fakuma 2012 – Trade fair participation under the motto “Be efficient”

(Munich, July 27, 2012) KraussMaffei is on course for worldwide success after the market launch of its new GX series (www.gx.kraussmaffei.com). A large number of customer presentations in Europe and Mexico turned out to be very successful. KraussMaffei will also present its new GX series to trade visitors at Fakuma 2012 (Hall A7, Stand 7303/7304). Under the trade fair motto "Be efficient" the focal point of the presentation will be a thermoplastic lightweight application in CellForm technology (MuCell) for the automotive industry.

High worldwide demand for the GX series

Two months after the world premiere and market launch of the GX series, KraussMaffei is very satisfied with the response by customers. "Both the worldwide demand and the sales figures to date exceed our expectations", said Frank Peters, Vice President Sales at KraussMaffei. A large number of product demonstrations have therefore taken place with great success both in Europe and Mexico. In particular, customers from the electrical engineering/electronics industry, the consumer goods industry, the packaging industry and primarily the automotive industry have reacted very positively to the new GX series since it is ideally suited with its extensive range of options as a basis for many different injection molding processes.

Fakuma 2012: Presentation of the GX series with an automotive application

KraussMaffei will also present the new GX series to trade visitors at Fakuma 2012. During Fakuma a GX 450-3000 will produce a so-called telephone cradle for an automotive interior using CellForm technology with physical foams (MuCell). The entire production cell will demonstrate maximum productivity and innovative detailed solutions for zero defect production and production intelligence totally in line with the motto 'Be efficient'. "When

KraussMaffei Technologies GmbH
Corporate Communication
Krauss-Maffei-Strasse 2
80997 Munich/Germany

Phone +49 89 8899 4712
Presse@kraussmaffei.com
www.kraussmaffei.com

combined with a MuCell equipment package and the precise injection and plasticizing unit, the GX series is almost predestined for process-reliable production of foamed parts", said Dr. Bourdon, Vice President Technologies at KraussMaffei. "This automotive application shows the enormous potential still contained in lightweight thermoplastic solutions", added Dr. Bourdon. The high shot weight constancy of less than +/- 0.1 percent ensures reliable production, even with the highest possible demands. Productivity is therefore maintained. As the fastest dual platen machine on the market, the GX offers the shortest travel times and maximum productivity. The smooth-running mechanics reduce traction resistance by up to 80 percent and ensure, together with the hydraulic concept designed for minimum flow losses, maximum energy efficiency.

Pioneering detailed solutions in the production cell

Completely automatic production takes place in a fully integrated production cell with a LRX 250 linear robot that is fitted with the handheld pendant of the new MC6 control system. "The robot is fully integrated both in the control system and the mechanics", explained Frank Peters, Vice President Sales at KraussMaffei. "The detailed coordination of both components, the GX and the robot, creates a production cell which appears to be 'cast from one piece'.". Innovative machine vision facilitates zero defect production thanks to in-line quality testing in combination with testing of the part weight. These quality parameters are stored and documented in the MC6 control system with the target and actual values of the particular injection molding cycle.

Visual workspace monitoring

Visual aids also assist the machine operators. Workspace monitoring by means of a camera inside the safety guard provides the operator with an up-to-date video picture on a separate screen next to the MC6 control system. The operator therefore always has everything in sight, especially with complex and unclear production cells, and does not have to run around the machine. This simplifies and reduces the start-up and service procedures, and leads to higher operating safety with fewer interruptions in production.

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Krauss-Maffei-Strasse 2
80997 Munich/Germany

Phone +49 89 8899 4712
Presse@kraussmaffe.com
www.kraussmaffe.com

Photo: PM_IMM_2012-020_GX 650-4300.jpg

The production cell comprising the GX machine and a LRX robot appears to be 'cast from one piece' both from visual and functional aspects.

Photo: PM_IMM_2012-021_GX 650-4300.jpg

The machine control unit and robot handheld pendant work with the MC6 control system and both permit programming and operation of the robot and machine

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Krauss-Maffei-Strasse 2
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Phone +49 89 8899 4712
Presse@kraussmaffei.com
www.kraussmaffei.com

Enclosure: Pictures and more information can be found at

www.kraussmaffei.com

Press contact:

Markus Betsche

Press Officer KraussMaffei brand

Injection Molding Machinery and Reaction Process Machinery

Phone: +49 (0) 89 8899 4712

Email: markus.betsche@kraussmaffei.com

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About KraussMaffei

The KraussMaffei product brand is internationally recognized for its groundbreaking, multitechnology system and process solutions for injection and reaction molding technology and factory automation. With its standalone, modular or standardized machinery and systems, and a wide, customizable service offering, KraussMaffei is a full-system partner for customers in many industry sectors. KraussMaffei bundles many decades of engineering expertise in plastics machinery and is headquartered in Munich, Germany. For more information: www.kraussmaffei.com

About KraussMaffei Group

The KraussMaffei Group is among the world's leading suppliers of machinery and systems for producing and processing plastics and rubber. Its products and services cover the whole spectrum of injection and reaction molding and extrusion technology, giving the company a unique position in the industry. The KraussMaffei Group is innovation-powered, supplying its products, processes and services as standard or custom solutions which deliver sustained added value along the customer's value-adding chain. The company markets its offering under the KraussMaffei, KraussMaffei Berstorff and Netstal brands to customers in the automotive, packaging, medical, construction, electrical, electronics and home appliance industries. Continuing a long tradition of engineering excellence, the international KraussMaffei Group currently employs around 4,000 people. With a global network of more than 30 subsidiaries and more than 10 production plants, supported by around 570 sales and service partners, the company is close to customers around the world. KraussMaffei has been headquartered in Munich since 1838.

For more information: www.kraussmaffeigroup.com

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