

SMS Meer and SMS Eumuco continue to come together

Laying of the foundation stone at the Mönchengladbach plant



The integration of the press and forging technology specialists, SMS Eumuco, into SMS Meer is making good progress. Following the business merger of the two subsidiaries of the SMS group at the beginning of 2007, the foundation stone for the new office building at the SMS Meer plant in Mönchengladbach was laid on 4 May. During the course of the year, a heavy-duty workshop and a logistics centre are also to be completed. All the functions will then be transferred from the Leverkusen

plant to Mönchengladbach. The product portfolio of Eumuco Hasenclever Closed Die Forging Presses will continue to be represented as to date by your familiar contact persons. With these changes we aim to be able to support you faster and more competitively in the future.

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Editorial

Dear Customers,

You are holding in your hands the very first edition of the SMS Meer "Service Info". From now on, this newsletter will keep you regularly informed about new service products, current projects and innovative concepts so that you as customer can benefit quickly and directly from our developments.

Our aim is to offer you customised service not just up to commissioning but over the whole life cycle of your plant. We therefore wish to give you the opportunity to enter into a direct dialogue with us. At the end of each article you will find the contact data for our experts who will be happy to provide further information or to answer any questions you may have.

I wish you enjoyable reading with the "Service Info".



Friedhelm Bitter

Health checks for closed-die forging machines

New service helps prevent machine standstills

The SMS Meer experts for closed-die forging machines have developed special "health checks" for the inspection of the machines and selected key components. The objectives of these health checks are:

- Avoidance of unforeseen machine standstills with the associated time and cost-intensive consequential damage
- Increased average machine availability
- Improved product quality

All in all the SMS Meer health checks help our customers achieve a sustainable reduction in their operating costs. These objectives are achieved through the regulation monitoring of the condition of the customer's machine and through the

inspection of the vital components. You benefit from the vast know-how that SMS Meer can provide as machine manufacturer. In addition, SMS Meer offers the following supplementary modules:

- Measuring of brake and clutch
- Press force measurement
- Safety check prescribed by the Accident Prevention Regulations

Use SMS Meer's health checks as the basis for modern maintenance geared to the future.

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The performance of the future

Electrical retrofit for Eumuco and Hasenclever closed-die forging machines

The experts at SMS Meer have developed special modernisation packages for the control, drive and visualisation technology of older Eumuco and Hasenclever closed-die forging machines and Banning hammers that bring the plants into line with the state-of-the-art.

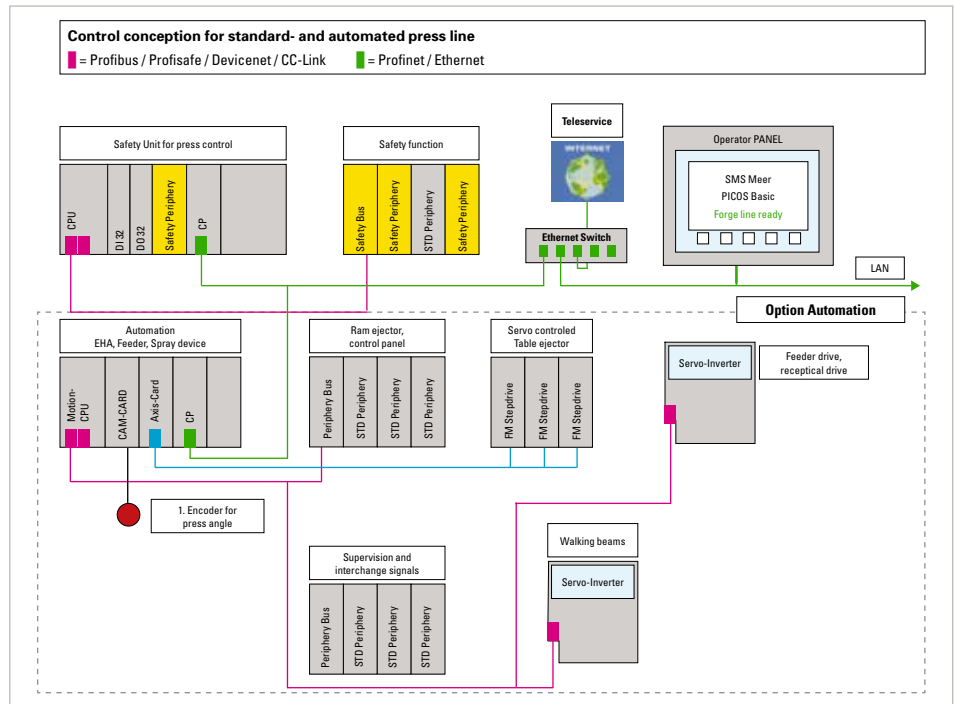
Boost productivity and quality, cut costs

The advantages of these SMS Meer retrofits for the customers take immediate effect: The productivity and product quality of the closed-die forging plants are significantly boosted with a simultaneous reduction in the machine standstill times. Plant owners can sustainably improve the competitiveness and the investment costs for the retrofit are recouped in a very short space of time.

Innovative concept for visualisation, control and drive technology



SMS Meer's electrical modernisation package is flexible, profitable und geared to the future. Thanks to the intelligent modular structure, the scope of the retrofit can be tailored exactly to the customer's individual requirements. A step-by-step expansion is also possible, as new or additional technologies can be integrated without any disruption of the system.



The basic package for the control modernisation includes:

- Press safety control with decentralised safety modules linked via a reliable bus interface
- Visualisation via touch-panel with integrated diagnostic system
- Networking of the controllers and decentral I/O islands via safety bus systems

As options, the following packages can be added to the basic control system:

- Motion CPU and highly dynamic drive systems specially geared for automation
- Networking of the visualisation system with the controllers and superordinate networks via Internet
- PICOS++ visualisation solution

PICOS++ and your machine is as good as new

Furthermore, the PICOS++ visualisation solution can bring an existing closed-die forging press practically up to the state of a new machine. Selective expansions and the use of existing sensors can help provide i.a. the following new features:

- Process data acquisition, including quality assurance reports
- Diagnostic tools such as animated hydraulic and electric circuit diagrams, interactive photographic documentation of faulty sensors and actuators or plotter functions for extended diagnostics

A retrofit is greatly dependent of the existing machine configuration and your objectives. We would be pleased to advise you in a personal discussion.

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