

SMS Meer internally

For your best pipes and tubes – our best team

The complexity of a modern tube mill can hardly be compared with that of any other machine or plant. The functions of hundreds of different assemblies and several thousand individual components are exactly balanced. Every component and its proper function in industrial multi-shift operation is important for the performance of the mill as a whole. Hardly a single assembly comes from series production, every one being specially developed and built for the respective mill.

Attempts to maintain the high productivity of SMS Meer plants over the whole life cycle using standardised service programmes soon meet their limitations. Individual machine-specific know-how is crucial. Only this ensures a rapid payback on the plant and an optimised return on investment.



Your Service Team for all tube products

For this you have to know every machine, not only during commissioning but also for the



continuous maintenance as part of preventive service concepts. The dialogue with our service technicians is the key to successful implementation of an operating concept geared to the highest possible productivity and cost effectiveness. This includes also the supply of original spare parts tried and tested for reliability and long service life in OEM quality for both repair and modernisation.

Specialised expert teams are available to you here: For spare parts service, for example, the team headed by Marcus Thevessen, and for all questions concerning repairs and modernisation Hans-Dieter Niers will be pleased to help you quickly and competently.

We are there for you with advice and support at all times – all you have to do is call.

Contact person: Frank Jansen
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Editorial

Dear readers,

In 1885 the Mannesmann brothers invented the cross-roll piercing process for the production of seamless tubes. Even at that time we were setting new standards, and since then have made the production of tubes more and more efficient through particularly efficient and cost-effective processes.

If anyone knows all about this, then it is the specialist teams from SMS Meer.

That applies not only to plants for the production of seamless and welded tubes and the corresponding finishing plants and machines. Our range of maintenance, repair and modernisation services for this equipment is outstanding on the world market.

Ensuring productivity, increasing efficiency, and enhancing cost-effectiveness and plant profitability; Those are the goals pursued by our service technicians. And through our global presence we ensure that "your" contact person for technical services is never more than a phone call away.

Enjoy reading this newsletter.

Yours

Friedhelm Bitter
Head of Service

IN BRIEF: Half way round the world

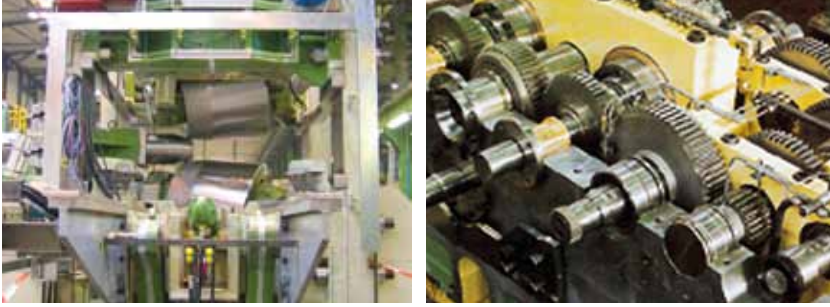
The crankshaft from the cold pilger mill of an Australian customer that was recently sent to us for repair had run a total of over 32,000 kilometres, equivalent to the distance from Australia to Germany and back. The reason for the repair: The crankshaft had broken and brought the cold pilger mill to a standstill. In order to minimise the costs and repair time for the customer, we decided to replace the broken part and

join it securely to the shaft instead of manufacturing a complete new crankshaft. This represented a new challenge even for SMS Meer, as a repair in this form had never been carried out before.

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Repaired crankshaft



SMS Meer locally



Modernisation of cold pilger mills

Expand your product range and bring your mill to the latest state-of-the-art!

After the heavy loads in recent years, many cold pilger mills are now in urgent need of service, maintenance or modernisation. Even mills that were commissioned 40 years ago can be brought up to the latest technical standards through selective modernisation measures by SMS Meer.

Modernisation measures for reduced standstill times

The Service specialists from SMS Meer have numerous possibilities for bringing an existing mill more or less up to the performance level of a new mill. Starting with a comprehensive analysis of the mill condition, a modernisation concept is drawn up tailored to the mill type and the customer's needs.

It is possible, for example, to install complete new assemblies. In many cases this takes no more time than maintenance work on this assembly. SMS Meer naturally also offers the overhaul of the removed assemblies in our own service workshop.

The replacement of complete assemblies also reduces the standstill times for normal maintenance. SMS Meer offers support here – from the replacement of the assembly through to its overhaul.

Mill built in 1971 brought to the latest technical standard

500 SMS Meer cold pilger mills are in operation worldwide today. We know how productivity can be increased and the maintenance on your mill reduced. For example: A cold pilger mill KPW 75 VMR built in 1971 was modernised step-by-step by SMS Meer. First the mill was lengthened to allow longer ingoing tubes to be loaded, then the maximum possible ingoing tube diameter was increased in line with the customer's wish for a broader product range, and finally the whole electrical system and the key mechanical components were replaced in order to ensure the supply of spare parts.

Further benefits for the customer are significantly lower investments than for a new mill with a simultaneous increase in competitiveness.

Individual modernisation programmes

SMS Meer offers mill operators a complete spectrum of modernisation possibilities. Depending on the requirements they are combined or are implemented successively (e.g. during scheduled standstills). These include i.a.:

Our service → Your benefit

- Replacement of cast mill saddles sheet steel mill saddles → **Safeguarding of production**
- Conversion to continuous operation → **Increased production capacity**
- Replace Airflex brake with disc brake → **Increased safety and reduced maintenance costs**
- Replace the mechanical line shaft with an electric shaft → **Reduced maintenance costs**
- Extend inlet and outlet side of the machine → **Expanded product range**
- Replace split cylindrical roller bearings with slide bearings → **Optimised maintenance and costs**
- Replace the crank drive → **Lower maintenance costs, less expensive foundation in the event of an elongation of the machine**
- Modernisation of the electrical system → **Safeguarding of the spare parts supply**

References for successful and sustainable modernisation of cold pilger mills:

- **MPG Mendener Präzisionsrohr**, brake replaced with disc brake, split cylindrical roller bearings of the crankshaft replaced by slide bearings; KPW 75 VMR
- **Nacional de Cobre**, split cylindrical roller bearings replaced by slide bearings; KPW 100 VMR
- **Buntmetall Amstetten GmbH**, elongation of the machine; KPW 75 VMR
- **MetTube**, feed-and-turn gearbox overhauled; PIV gearbox replaced by electric drive; line shaft replaced by electric shaft; SKW 115 VMR
- **TPS**, feed-and-turn gearbox overhauled, inlet chuck retrofitted; KPW 25 VMR

Our specialists will be happy to inform you about modernisation possibilities for your machine.

Just contact us.

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Phone

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We are interested in the services from SMS Meer.

Please send us further information on the following services:

- OEM spare-parts service
- Equipment checks
- Equipment audit
- Start-up support
- Maintenance management
- Modernisation
- Training programmes

Please send us, likewise without charge and without obligation:

- The current SMS Meer Service presentation
- A demo version of the electronic spare-parts catalogue
- We would definitely like to learn more about the SMS Meer Service products.

Please contact us **to arrange an appointment.**