
Press release

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KRAFFT Rollers – Innovation in roller design

'Quiet-As-Carbon', or 'Q-A-C' when abbreviated, is what German roller manufacturer Carl KRAFFT und Söhne GmbH & Co. KG has launched as a new development in roller construction, recently successfully introduced on a paper machine.

A key operating parameter for conventional rollers is what is known as the 'semi-critical revolution speed'. If a roller has to run permanently within this operating range, such action can lead to severe damage and cause complete roller failure. Operators normally avoid this range or use rollers made with significantly more expensive fibre composite technology.

KRAFFT Rollers has taken a look at this problem and come up with a new technology for steel rollers. The product name 'Q-A-C – Quiet-As-Carbon' refers to steel rollers manufactured using a special production process. A newly defined, optimised machining and balancing technology now enables rollers to be permanently operated in the semi-critical range.

The advantage of the new product is self-evident, as Sales Manager Karl-Heinz Vaaßen attests: 'With Q-A-C rollers, we reach positions on the machine where we previously needed to switch to fibre composite technology due to an Eta of 0.45-0.55. The benefit of Q-A-C technology for such applications is that the rollers run as smoothly as fibre composite technology rollers, but are considerably more reliable with regard to failure since various risks are eliminated. And all this at the lower cost than a composite roller,' continues Karl-Heinz Vaaßen. 'What's more, steel is a time-tested material which is able to withstand extreme climate conditions, such as those found in a dryer.'

About KRAFFT:

KRAFFT is one of Europe's leading manufacturers of and specialists for rotationally-symmetric components. The knowledge gained from building plants for the production of paper and cardboard was consequently aligned to new products and product segments throughout the past years. Four product sectors are the backbone of the company:

KRAFFT Rollers – KRAFFT Walzen is the company's flagship brand for rollers, cylinders and drums

KRAFFT Turning Technologies turning parts and large turning parts are used in plant construction and engineering

KRAFFT Engineering Engineering and projecting, turn-key systems

KRAFFT Services service and maintenance, repair, assembly

For more information please contact:

Peter Kayser
MD Technical Department and Sales
Tel.: +49 2421 9360-0
Peter.Kayser@krafft-walzen.com