

NTN-SNR at the EMO trade show in Milan, Italy, from 5 to 10 October

NTN-SNR is investing in its Mettmann (Germany) plant to produce “high-precision” ULTAGE machine tool bearings for the European market starting in 2017.

At the EMO trade show to be held 5 to 10 October 2015 in Milan, NTN-SNR will be announcing its plan to increase its industrial capacity in Europe. As one of the world leading manufacturers of bearings, the company is thus continuing its ambitious development strategy. Starting in 2017, NTN-SNR will open a new production facility at its Mettmann plant (near Düsseldorf, Germany), dedicated to the production of “high-precision” ULTAGE spindle bearings for machine tools. With its investment, NTN-SNR will be able to offer its OEM and Aftermarket customers in Europe optimum responsiveness.

Japanese technology made in Germany in close proximity to its European customers

The new facility will produce angular contact ball bearings for the “ULTAGE super precision” range. These bearings, designed by NTN and which bear the NTN brand name, are currently manufactured in Japan. *“Japanese excellence, which has made NTN No.1 on the machine-tool bearing market in Japan, will be available to our European customers with very short leadtimes and optimum service”,* states Hervé Brelaud, Industry General Manager, NTN-SNR.

The bearing ranges for NTN ULTAGE machine tools, designed and produced in Japan, are recognised by all major machine tool manufacturers worldwide. Their technological excellence is based on five pillars: optimised design, steel quality, heat treatment quality, reinforced monitoring of suppliers and a dedicated high-precision production facility. The investment in the new German NTN-SNR unit will comply with all these requirements.

Innovation: Air cooling spacer

NTN-SNR will be presenting the air cooling spacer for spindle bearings at the Milan trade show. The design principle is to integrate an air inlet in the spacer on the inner ring to lower its temperature and thus balance the temperatures between the inner and outer rings. The air inlet angle on the nozzle was specially designed for optimal, smooth and uni-directional diffusion. This system helps to reduce internal geometric distortions, increase maximum speed by 20% and raise the applicable preload for greater rigidity (x3) and more accuracy. Furthermore, the design ensures low noise levels.

Innovation: High-speed moulded polyamid cage

The new moulded polyamid cage presented by NTN-SNR showcases an improved stronger material and an original design with square cells. This offers a single contact point instead of a curved contact surface, which generates less friction and less temperature rise. This design also provides more spaces for lubricant to pass through thereby improving lubrication. The speed of rotation thus increases by 50% up to 1.6 million N.Dm.

With speeds of up to 1.6 million N.Dm, this case will become the NTN-SNR standard, ensuring the same performance as the machined phenol cage with a higher level of competitiveness.

NTN-SNR ROULEMENTS is part of NTN Corporation, one of the leading manufacturers of bearings in the world and ensures the management and development of all NTN activities in Europe, South America, Africa and the Middle East. Specialised in the manufacture of automotive, industrial and aviation bearings, NTN-SNR ROULEMENTS also develops maintenance services and solutions and thus proposes a comprehensive offering. NTN-SNR ROULEMENTS employs 4,113 people and has 9 production sites in Europe and Brazil and 23 sales offices worldwide.

Press contact: Carol Donat - +33 (0) 4 50 65 30 27 – carol.donat@ntn-snr.fr