

heimatec product innovations at the EMO 2019::

Process monitoring by digital tool management with heimatec.Sensoric

Tool monitoring and process optimization through digitalization is now also possible when using driven tools. With the new heimatec.Sensoric sensor system, various tool parameters such as speed, temperature and/or humidity can be recorded and transmitted to a control point. In the heimatec INNOVATION AREA in Hall 5, Stand D34, the tools may be examined and tested for handling.



Besuchen Sie uns:
Halle 5, Stand D34
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Whether static or driven - tools have always been exclusively mechanical components, even in the most modern turning and machining centres. However, the trend towards digitization is inevitable in this area as well, and with the heimatec.Sensoric sensor system, digital tool management is now becoming reality.

With the sensor technology, which has been integrated into the driven heimatec tool unit, various tool parameters such as operating time, speed, temperature and/or humidity can be recorded. After a defined time interval, the determined data is transmitted to the control point via BLE technology (Bluetooth Low Energy) and can then be used for evaluation and maintenance activities.

By using monitoring software, tools equipped with the heimatec.Sensoric sensor system can be monitored and maintenance cycles managed. Within the framework of tool management, for example, it is checked when the next service visit is necessary and which measures have to be taken.

heimatec.Sensoric is the first module in a digital concept with a holistic approach. Further solutions are already being developed and will complement our digital tool management concept step by step.

heimatec has been specializing in the design, manufacture and distribution of high-precision static tool holders and driven tool units for lathes and machining centers for more than 30 years. The complete tool range encompasses around 30,000 products. heimatec is one of the leading international precision tooling companies in terms of technology and quality. Headquartered in Renchen, Germany, heimatec has fully-owned subsidiaries in the USA, Russia, India and Taiwan, and has a global network of business partners.



Picture:
heimatec.Sensoric

Caption:
With the sensor system
heimatec.Sensoric different tool
parameters can be monitored.

Picture source:
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