

Complete Machining of Crankshafts in just one Setup

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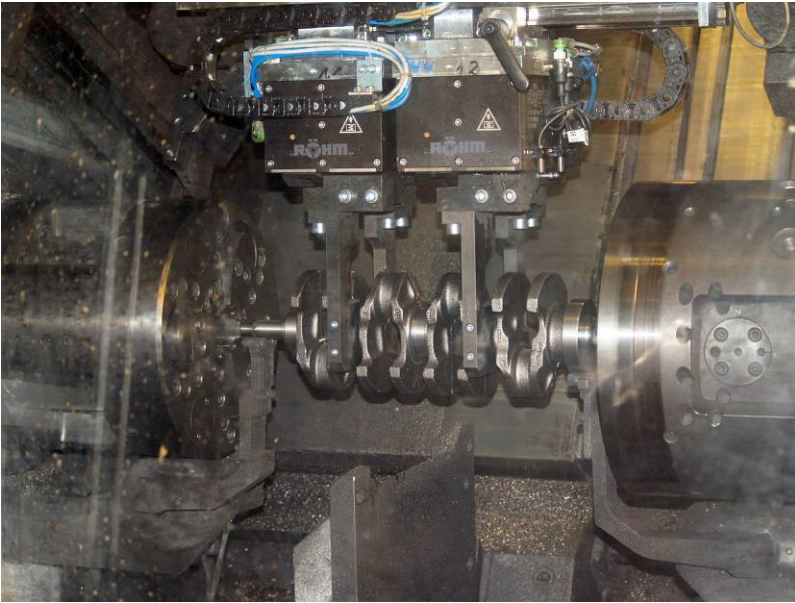
Röhm is showing complete solutions for crankshaft machining putting its strengths as a system supplier into play. The individual components interact perfectly with each other and ensure efficiency and effectiveness in the everyday production process.

Hence, Röhm is showing the combination of a shaft chuck, steady rest and gripping technology for the machining and transport of crankshafts in different manufacturing stages. The shaft chuck can be converted in just a few minutes from highly accurate centric clamping to balancing clamping for clamping blanks. Depending on the desired machining process, this allows very flexible use. Extended clamping arms make high machining forces possible. The clamping arms can be retracted without reclamping to be able to execute complete machining on the ends of the shaft. In the process, the workpiece is moved by the face drivers.

It is transported reliably from machine to machine by the gripper technology. The technology works reliably and is almost maintenance-free. It is considered to be an important part in fully-automated manufacturing of crankshafts. That is because the gripping situation for the complex geometry of crankshafts is not exactly simple. Ultimately, it is supposed to be just as reliable to grip short crankshafts for three-cylinder engines as it is for long crankshafts for twelve-cylinder engines. The shafts are gripped in the main crankshaft bearings without the unloaded balancing weights getting in the way of the gripping process. Long gripping jaws ensure this, which have to be guided reliably.

In the harsh production environments of the automobile industry, these benefits and the typical Röhm reliability and long service life are highly important. Users also enjoy the

distinct service-mindedness of Röhm, which offers a perfect overall package - from engineering to production - as a reliable partner.



At the AMB in Stuttgart, Röhm will be showing its latest product highlights.