

Cold Testing for Motorcycle Engines

Experience generates quality.

End-of-line test stands for motorcycle engines



Safe, economical, attractive – with high quality standards

Cold testing is the ideal solution for the end-of-line testing of engines, including the 2-cylinder boxer engines with integrated transmission of a German motorcycle manufacturer. The fully automated, robot loaded test stand by JW Froehlich is able to test both components in one single test process, combining maximum quality and low operating costs.

Test stand	2 cold test stands
Test part	Motorcycle engines
Special requirements	Part of a production line for factory tours

Cold testing has been state-of-the-art in quality and functionality testing for 25 years. This method is used in end-of-line testing to ensure upstream assembly steps have been completed correctly and that engines are fully functional. In modern motorcycle engine production, cold testing has largely replaced hot testing thanks to high precision, little environmental impact and low cost.

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Efficient fault detection – low operating costs

The main advantage of a cold test is that it is able to detect faults previously undetected during hot testing thanks to sophisticated test technology. With test parts driven by an electric motor that requires neither fuel nor coolant, no exhaust emissions are caused. The result: lower environmental impact, shorter test times – and thus reduced operating costs.

Tried-and-tested expertise – cooperation based on trust

Having benefited from JW Froehlich's cold test stand expertise for car engines and testing lines in other manufacturing plants, the client had complete faith in the high quality of the products from the outset of the project. A close cooperation developed, with JW Froehlich's expertise directly influencing the project – thanks to suggestions for optimization in line with the specific requirements. This enabled a tailor-made test system complete with corresponding test programme.

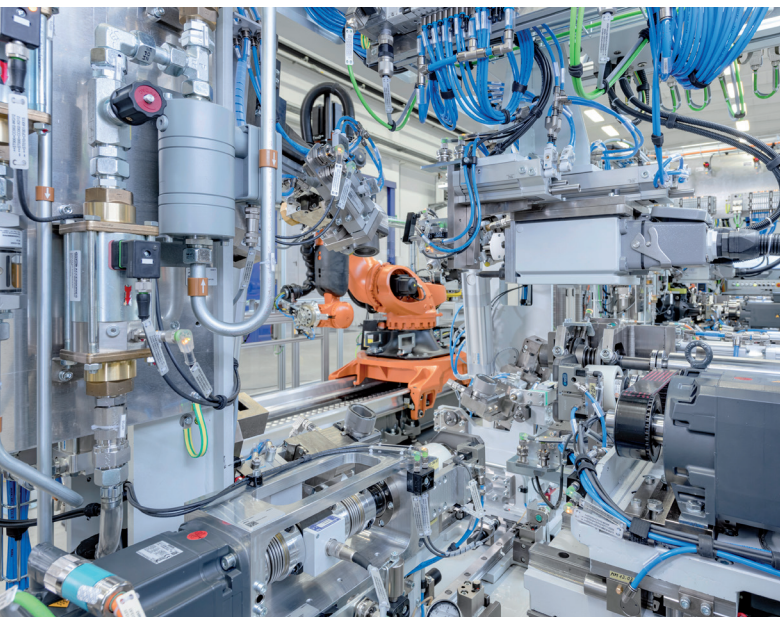
Outstanding testing technology –

Optimized to reflect state-of-the-art

The cold test stands replace the client's old testing line, and any imperfections in the old machines were corrected. High standards, top-quality components and the use of state-of-the-art robotics make for optimum quality and functionality testing and also cater to the client's specific requirement of having a system that can be showcased.

Ideal solution – in price and quality

The motorcycle market has been growing, meaning that quality and functionality testing also face increased cost pressures. This makes the efficient combination of engine and transmission testing in one cold test line the perfect solution for today's requirements. With the technology visible and accessible to factory visitors, the test stands are just what the German motorcycle manufacturer's production line needed.



Have we piqued your interest?

For questions about the project and its technical details, please refer to your direct contact:

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