



► Stop Time Measurement

A critical service during the **maintenance phase**, **Stop Time Measurement** involves the measurement and verification of a machine's stopping performance using a purpose-designed and approved measuring device. It helps validate the positioning of optical or presence sensing safety systems.

Product Area	Services - Consulting
Machine Lifecycle	Machine Users - Maintenance Phase
Service Scope	<p>Execution of stop time measurements for a hazardous movement</p> <p>One stop time measurement is required per hazardous movement. The exact number of hazardous movements is determined by the service technician on site at the machine and invoiced according to time and material cost.</p> <p>A measurement series with at least ten individual measurements is carried out for each defined hazardous movement.</p> <p>Calculation of the required minimum distance between hazardous point and protective device in accordance with applicable local standards (e.g. ISO 13855).</p>
Application	Robots, Presses, Forming machines, Stamping machines, Assembly lines, and much more
Documentation	Logging of performed measurements in a test report
Note	<p>During the stop time measurement, production operation of the machine is not possible. The scope of services depends on the individually arranged number of measurements.</p> <p>The devices to be tested are assembled, ready for operation and accessible.</p> <p>The machine operator must be available for the duration of the measurements.</p>

Customer Benefits

- + Optimal Space Efficiency**
 Confirms the correct placement of safety devices like light curtains and scanners, helping you maximise floor space without compromising protection.
- + Regulatory Compliance**
 Ensures your machine setup meets international safety standards, including ISO 13855 and the EU Machinery Regulation (2023/1230).
- + Brake Health Monitoring**
 Detects wear on braking mechanisms that can increase stopping distance, ensuring safety devices maintain the correct minimum safe distance.



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