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Address	SICK AG Erwin-Sick-Straße 1 79183 Waldkirch
Country	Germany

PRODUCTS OR MACHINERY

Sensor solutions for the stone, ceramic and glass industry Products made from stone, ceramic, and glass are important building materials and form part of our everyday lives; for example, in the form of ceramic bricks, tiles, washbasins, toilets; kitchen worktops, floor and wall tiles made from marble or granite, and as insulating glass, safety glass, or laminated glass. Tools such as cutting machines, molding presses, or surface grinding and polishing machines are used to manufacture these products, sometimes in combination with a huge range of conveyor systems and robots in fully automated production plants. Sensors used in these facilities need to ensure smooth production processes and maximum efficiency, cost-effectiveness, quality, and safety, sometimes under tough ambient conditions (dust, heat, coolant, lubricant). SICK fulfills these requirements with its industry and sensor expertise.

Emission measurement

Glass manufacturing is an energy-intensive process involving high temperatures. It emits nitrogen oxides (NOX), sulfur dioxides (SO2), and carbon dioxide (CO2), which must be continuously monitored. The analytical measuring techniques used by SICK deliver all the necessary information, which is sent to a data acquisition system for further processing if required.

Quality control

SICK offers the right solution for all quality control applications: displacement sensors for precisely measuring the thickness of glass panel, laser volume flow sensors for ensuring materials are transported correctly, vision sensors for in-line quality control, and smart camera systems for high-end testing. This ensures that the required quality is achieved.

Company Profile of **SICK AG**

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