



Meyer Burger

ET 200S Compact used to control cutting systems at Meyer Burger

## Precise slices

The high-precision slicing machines of Meyer Burger need an automation system that offers high accuracy and speed along with a modular and versatile system design. With the Simatic ET 200S Compact remote I/O system, Meyer Burger found a solution that satisfies all these requirements.

**M**eyer Burger, headquartered in Steffisburg, Switzerland, is a manufacturer of high-precision slicing machines used for cutting and processing hard, brittle materials such as quartz, glass, ceramics, sapphire and silicon. With over 3,500 installed machines worldwide, the company's customer base includes product manufacturers in the photovoltaic, optical, ceramics and semiconductor industries. In wafer manufacturing, for example, high-level slicing accuracy is vital for separating materials. The first cut of the raw material is critical for avoiding subsequent processing – and, thus, also for reducing costs. To handle the periphery data control requirements of its cutting systems, Meyer Burger relies on the ET 200S Compact.

### Reduced wiring, greater flexibility

For the fast, precise slicing tasks of its cutting systems, Meyer Burger was in need of a compact, modular control solution that offered fast reaction time while also minimizing wiring overhead. The distributed

remote I/O system of the scalable ET 200S Compact range proved an ideal solution, one with several advantages. For one, it enabled the signals of the various sensors and circuit breakers to be bundled and evaluated by the Profibus network already in place. Thanks to the comprehensive (wiring) preassembly of the modules, final assembly proved very simple, requiring only the connection of the bus cable. Integration of the module also greatly reduced the module wiring complexity in the switching cabinet.

“The use of the ET 200S Compact enables distributed data collection directly on our machines, which are then forwarded via Profibus to the control. That reduces the wiring complexity and considerably increases our flexibility,” as Dr. Urs Schönholzer, head of research and development at Meyer Burger, notes. ■

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Siemens AG

### Compact, modular, cost-efficient

Available either as a pure digital input module 32DI standard or a combined digital I/O module 16DI/16DO version, the ET 200S Compact adds a new high-density block style I/O option to the ET 200S range of remote I/O features. With its small footprint, ET 200S Compact requires very little cabinet space. Simple to connect, it is also a very cost-efficient solution for frequently needed simple I/Os.