

Speedo for the Mill

From the yield computer to the yield system

Yield systems are an indispensable tools for effective plant operation for mills. The range extends from low-cost, stand-alone units based on a PC through to integrated modules as components of a comprehensive control system. The basic preconditions for successful implementation are adaption to the existing control system and comprehensive IT integration of the owner's software for production scheduling and evaluation.

Mill yield systems must provide interfaces to the grinding process and to the planning level and must allow dynamic data exchange between these levels. The trend is away from the standard yield computer and more towards integrated yield systems which optimally allow for the mill's control-engineering and production-engineering characteristics. Experience shows that a strategy of a sound investment by system integration and compatibility with standard software products of the "office platform" are crucial to effectiveness and acceptance.

A experienced system integrator follows a thoroughly production-oriented approach in its yield systems. The system's database stores all mill recipes (networked systems) with their relevant end products. This means that the system is able to prepare all related information, i.e. current mill yield, setpoint monitoring, reporting, balance sheet preparation and data for quality management conveniently and in a manner compatible with standard software.

The functions can be offered as a stand-alone system or as a multi-user system in line with demand. All solutions feature telemaintenance and remote operation functions. Even at the lowest configuration level, it is possible to integrate useful additional functions without the need for additional hardware (e.g. online integration of Work Instructions and Process Specifications in accordance with ISO certification). Moreover, the system offers good preconditions for more extensive, low-cost mill modernization, e.g. expansion to form a mill control system.