



SAMPLI CupMill100-R / SAMPLI PelletPress40-R

OPTIMIZED SAMPLE PREPARATION FOR REPRESENTATIVE ANALYTICAL RESULTS

Pulverizing Mill

The SAMPLI CupMill100-R excels in the rapid grinding of a diverse range of minerals, including cement raw meal, clinker, cement, slag, ores, oxides, and ferro-alloys. Its high RPM drive motor ensures a brief grinding time, even when dealing with hard materials. The sturdy construction, featuring dual-bearing support for the eccentric shaft, guarantees prolonged service life.

Following the pulverization process, the grinding vessel is automatically emptied, making the ground material accessible at the discharge point. Automatic cleaning features facilitate effective material removal. Employing these cleaning functions minimizes cross-contamination to a low parts per million (ppm) level. Additionally, the option for spoon sampling during material input enables pre-contamination of the grinding process with the subsequent sample.

SAMPLI CupMill100-R offers flexibility in its configuration. It can function as a standalone machine, with position magazines, and can be combined with the pellet press SAMPLI PelletPress40-R or other components. The modular design of the machine allows for various and entirely flexible configuration setups.



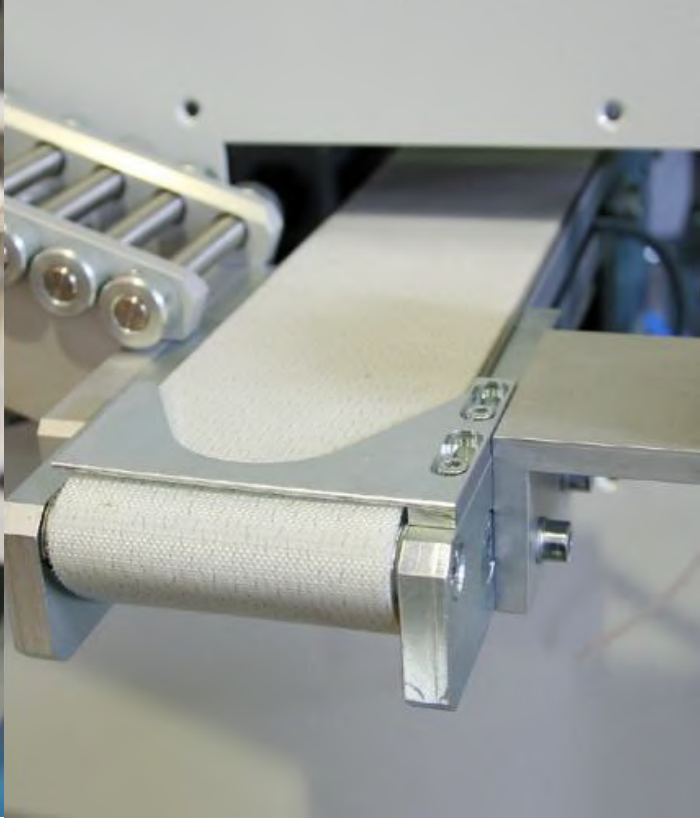
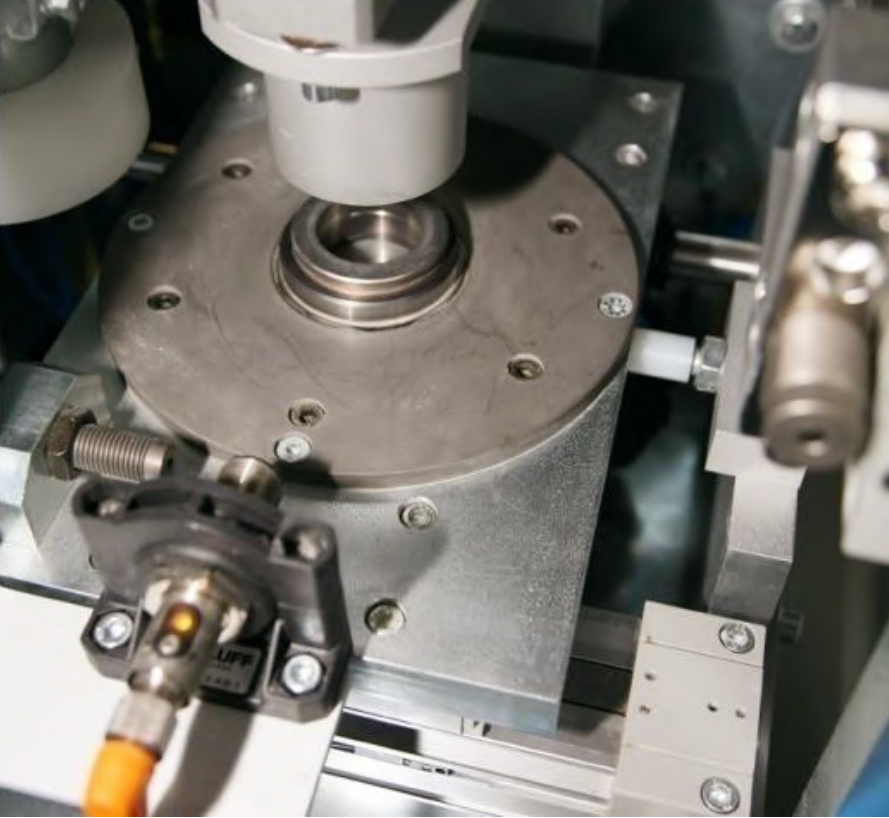
Automated cleaning to prevent contamination

Pellet Press

The SAMPLI PelletPress40-R excels in producing high-quality pressed pellets with a smooth surface, crucial for achieving optimal XRF results. This device ensures the desired uniformity and density of each individual pressed pellet, offering maximum reproducibility. SAMPLI PelletPress40-R allows for precise control of the pelletizing process through program-controlled settings. Parameters such as total pressing force, incremental increase and decrease of pressing force, and pressure holding time can be preset and easily adjusted via the user-friendly HMI control panel. The program-controlled automatic sequence ensures identical processing for every sample, eliminating the possibility of human error. Additionally, the automatic sample operation ensures a high sample throughput whenever needed.

In its standard configuration, the press incorporates a counter-pressure plate cleaned with a brush rotating in alternate directions. It can be customized with magazines for sample cups, steel rings, and pressed pellets.

SAMPLE PREPARATION POWDER MATERIAL



SAMPLI PelletPress40-R

APPLICATION

Preparation of pellets in steel rings (40 or 51.5 mm diameter) of different materials like raw meal, clinker, cement, slag, ores, oxidic material, ferroalloys (feed size 100µm) for x-ray fluorescence spectroscopy



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