Cutting production costs with POLAB® quality control systems.
POLAB®
– sampler, pneumatic delivery system
and laboratory equipment
Sample dispatch station with sample mixer for collective samples and spot samples with pneumatic material return system.

Pneumatic delivery tube assembly for connecting two pneumatic delivery lines.

Pneumatic delivery tube: pneumatic delivery network made of precision steel pipe.

Pneumatic delivery capsule: 350 cm³ volume.

Forwarding air blower

Screw sampler for raw meal or cement. Installation in a chute.

Hot meal sampler. Water cooled screw sampler made of special steel. Installation in the hot meal chute.

Clinker sampler. Installation at the discharge end of the clinker conveyor belt. Alternative: sampling clinker on the cooler grate.

Trough-type sampler for raw meal or cement. Installation in a pneumatic trough conveyor.

Screw sampler for coal dust. ATEX-certified.

Container for manual sample conveyance.

POLAB® APM sample preparation module with vibratory disc mill and tablet press.

Options: sample input magazine, sample output magazine, connection of XRF and XRD by tablet conveyor belt.

POLAB® AQP automatic laboratory unit for high sample throughput rate of up to 14 samples per hour, with capsule receiver, sample distribution via integral industrial robot, sample preparation by means of 1 to 3 integral POLAB® APMs, and connection of XRF and XRD by tablet belt conveyor.

Options: integral laser granulometer.

POLAB® AQCnet Software

- Client / Server architecture
- .NET technology / Web interface
- SQL database
- Adaptive mixture control

The POLAB® Shuttle is the new laboratory automation system with unique flexibility.

Sample conveyance by mobile robot provides previously unachieved freedom regarding system configuration, upgradability and room layout.

The POLAB® System

Full automatic laboratory

Laboratory for 8–10 samples per hour

Laboratory for up to 14 samples per hour

Individually configurable laboratory

Semi-automatic laboratory

POLAB® AQCnet Software