POLAB®
Sampler, pneumatic delivery system and laboratory equipment
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Sample dispatch station with sample mixer for collective samples and spot samples with pneumatic material return system.

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.

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

Pneumatic delivery capsule: 350 cm³ volume.

Pneumatic delivery tube diverter for connecting two pneumatic delivery lines.

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Semi-automatic pneumatic delivery receiving station with magazines for received and empty capsules.

Alternative: manual pneumatic delivery receiving station.

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.

Forwarding air blower.

Fully automatic laboratory.
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.

POLAB® ACT automatic laboratory unit for 8 to 10 samples/hour with pneumatic delivery receiving station and sample preparation system (integral POLAB® APM). Connection of XRF and XRD by tablet conveyor belt. Option: integral laser granulometer.

Screw sampler for coal dust. ATEX-certified.

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.

Alternative: sample dispatch station without sample mixer.

Jaw crusher.

Container for manual sample conveyance.

POLAB® AQCnet Software
- Client – Server structure
- .net technology / Web interface
- SQL database
- Adaptive mixture control

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individually configurable laboratory