

## **POLAB**®

## sampler, pneumatic delivery system and laboratory equipment



## Laboratory Screw sampler for raw meal or cement. Sample dispatch station Semi-automatic pneumatic delivery Semi-automatic Installation in a chute. with sample mixer receiving station with magazines for laboratory Pneumatic delivery tube received and empty capsules. for collective samples and diverter for connecting spot samples with pneumatic two pneumatic delivery lines. Alternative: material return system. manual pneumatic delivery receiving Forwarding air blower Pneumatic tube: pneumatic delivery network

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.



Screw sampler for coal dust. ATEX-certified.



Alternative: sample dispatch station without sample mixer.

crusher



Container for manual sample conveyance.





Pneumatic delivery capsule: 350 cm<sup>3</sup> volume.

made of precision steel pipe.





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.

Laboratory for 8–10 samples per hour



Fully automatic laboratory

> 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.

Laboratory for up to 14 samples per hour Individually

laboratory

configurable



POLAB® AMT automatic laboratory unit for a high

per hour, with capsule receiver, sample distribution

connection of XRF and XRD by tablet belt conveyor.

Optional: integral laser granulometer, colorimeter.

via integral industrial robot, sample preparation

by means of 1 to 3 integral POLAB® APMs, and

sample throughput rate of up to 14 samples

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® AQCnet Software

- Client Server structure
- .net technology / Web interface
- SQL database
- Adaptive mixture control



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