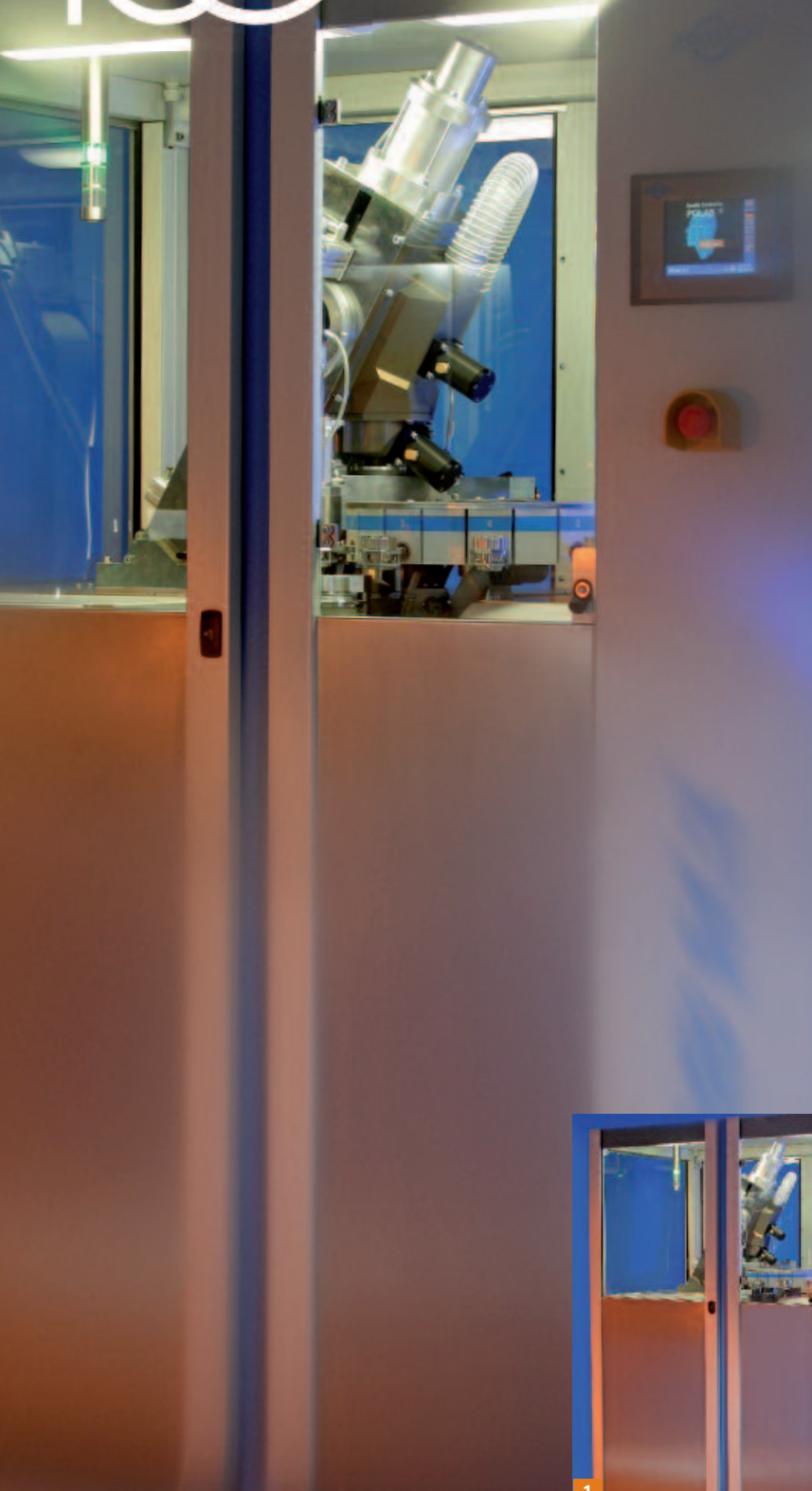


# 150 Years Engineering



## 150 YEARS OF POLYSIUS

also means more than 40 years of the Polysius laboratory automation system POLAB® – a product family of high-performance systems for monitoring and control of product quality in all phases of the production process.

Numerous development stages have changed the POLAB® system down the years. Unchanged, however, is the aim of providing our customers with an excellent quality assurance system – requirement-specific and future-oriented.

## POLAB® APM – automatic sample preparation module

POLAB® APM is the most compact and flexible sample preparation module in the world. The APM's almost infinite configurability and compact design is the secret of its success. The POLAB® APM is now an integral part of product quality assurance systems in more than 40 countries.

POLAB® APM provides modularised solutions ranging from user-friendly sample preparation to the world's smallest complete fully automatic laboratory automation system. The desired scope of performance decides which of the modules are



**Large picture and Figs. 1 and 2**  
POLAB® ACT laboratory automation module with integral POLAB® APM.

**Fig. 3** Capsule receiving station of the POLAB® ACT.

**Fig. 4** POLAB® APMplus with sample input magazine.

# made by Polysius

used. Polysius designed the APM to be a sample preparation module for use in all POLAB® systems. This means that an investment in the smallest laboratory automation system is also an excellent first step on the way to the most comfortable solution.

## **SECIL: Quality assurance modernisation with POLAB® ACT Maceira/Portugal**

Secil, Companhia Geral de Cal e Cimento, S.A. recently contracted Polysius to modernise an existing POLAB® system at their Maceira-Liz factory in Portugal. The existing sampling system for raw meal and clinker is to be extended by installing pneumatic dispatch stations and a pneumatic delivery system at the production plant. In addition, a new semiautomatic pneumatic delivery line is to be installed for preheater feed meal samples.

In the plant laboratory the new POLAB® ACT (Advanced Compact Technology) automation system is to be installed for reception and preparation of the samples received via the automatic pneumatic delivery system. POLAB® ACT is an extremely compact automatic laboratory unit that receives and prepares process material samples fully automatically and which can also be used

for preparing manual samples for subsequent analysis. Installation and commissioning of the system are due to take place as early as summer 2009.

## **New POLAB® laboratory automation system for Märker Zement Harburg/Germany**

Märker Zement GmbH has awarded Polysius an order for the supply and installation of a new POLAB® laboratory automation system for the Harburg cement factory. 9 complete sampling and dispatch stations are to be used for obtaining samples (raw meal, preheater feed meal, hot meal, clinker and 5 cement samples). A new pneumatic delivery system will be installed for the cement sampling systems, while the other samplers will be connected to the existing pneumatic delivery tube network.

The POLAB® ACT laboratory automation system is to be installed in the laboratory for process samples. An additional POLAB® APMplus will be integrated for the purpose of manual sample feeding. The sample preparation systems will be linked-up to existing analysis systems.

Commissioning of the new laboratory automation system is planned for the beginning of 2010.



## **Polysius news**

**New cement grinding plants in operation.**

At COBOCE's Irpa Irpa plant in Bolivia a two-compartment separator mill equipped with SEPOL® separator started cement production at a rate of 85 tph.

In Kenya another two-compartment separator mill with SEPOL® separator was placed in operation at East African Portland Cement Co. Ltd (output 80 tph of cement).

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