



POLAB[®] *Shuttle*
laboratory automation
system

Polysius



ThyssenKrupp

POLAB® Shuttle

The laboratory automation with a shared working room for man and machine

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 mobile, rail-guided robot serves all the installed modules, such as the capsule receiver, the sample preparation system, the sample storing device, the input and output magazine and the analysers. With pinpoint accuracy. Versatilely. Reliably.

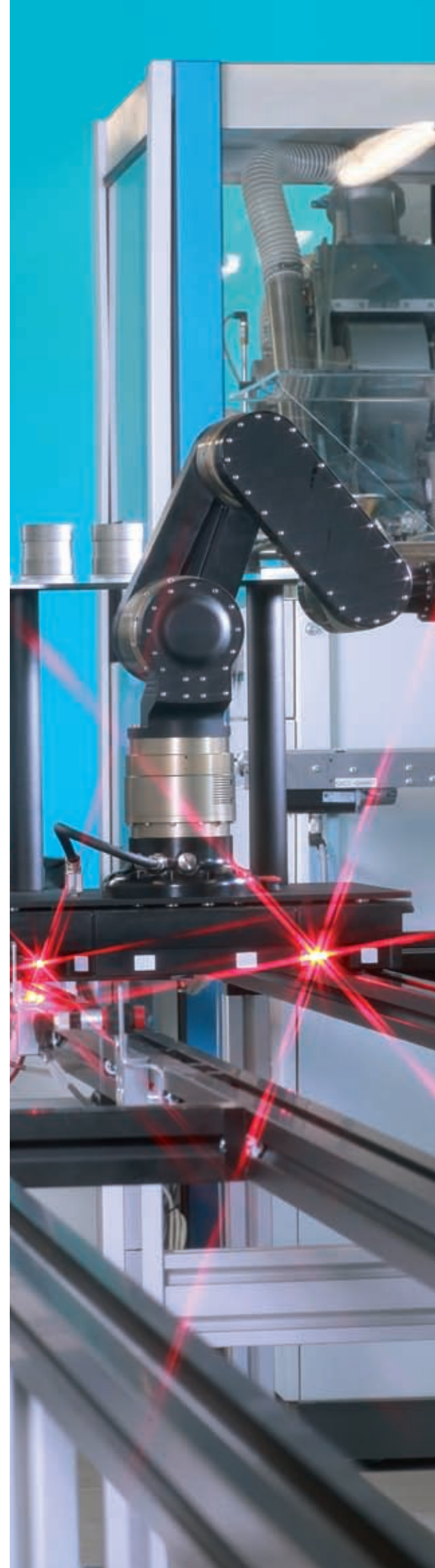
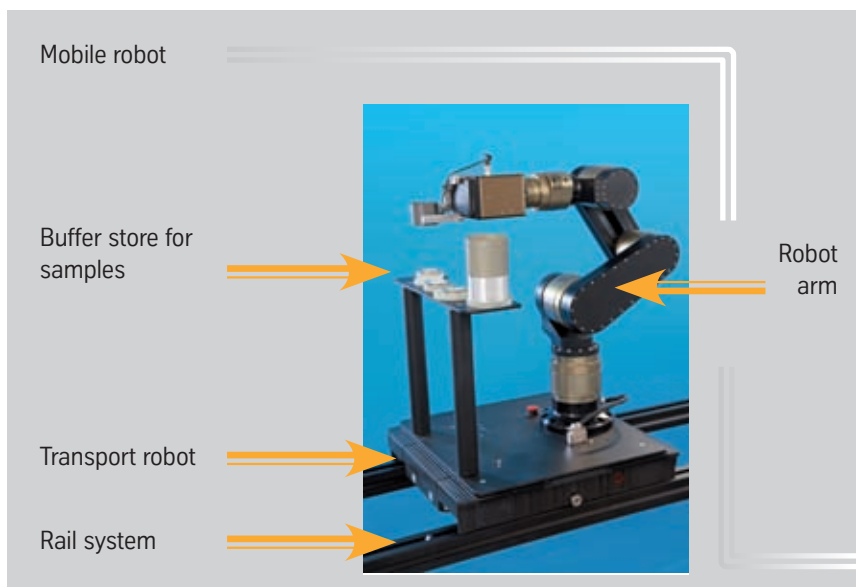
Thanks to the innovative safety concept, the laboratory becomes a shared working room for man and machine.

In the barrier-free laboratory the individual components can be served automatically (by the mobile robot) or manually.

The concept allows fully redundant laboratory systems to be set up, achieving highest availability and sample throughput rates.

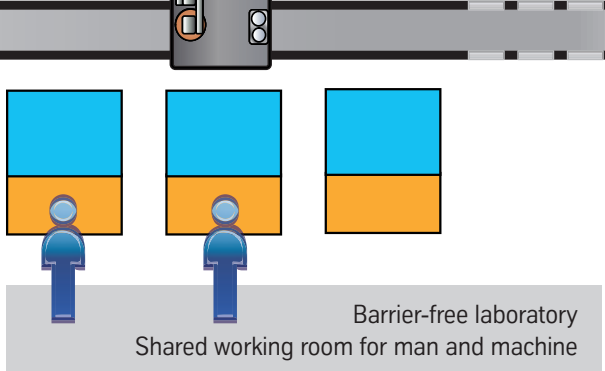
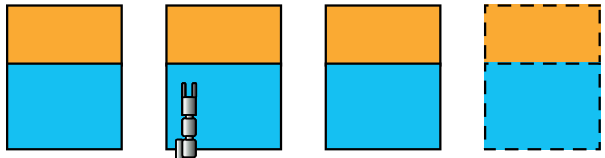
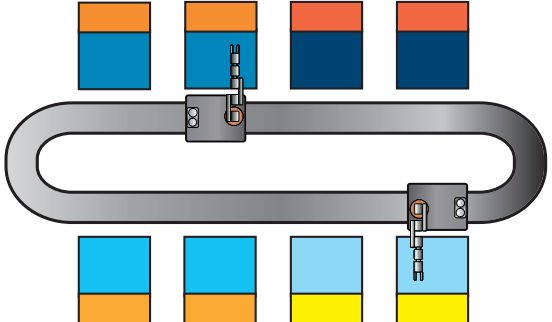
POLAB® Shuttle Highlights

- Barrier-free laboratory
- Shared working room for man and machine
- Innovative safety concept
- Modular extendibility
- Flexible layout
- POLAB® APM sample preparation
- Simple integration of products from other manufacturers
- Numerous redundancy options
- All individual components can be manually operated
- Based on industrially-proven individual components
- Usable in cement laboratories and in the laboratories of other industries





Full redundancy possible



Barrier-free laboratory
Shared working room for man and machine

Distributed laboratory system
Adaptable to existing rooms

Modular extensibility
Simple integration of products from other manufacturers



■ Automatic operation side
■ Manual operation side