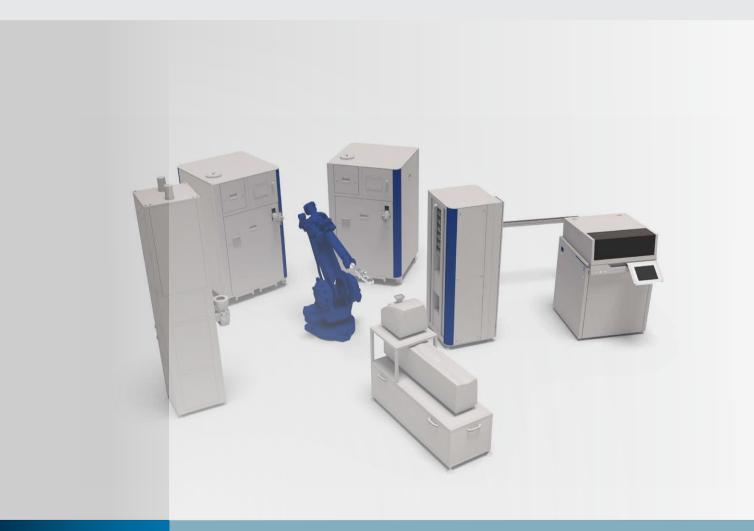
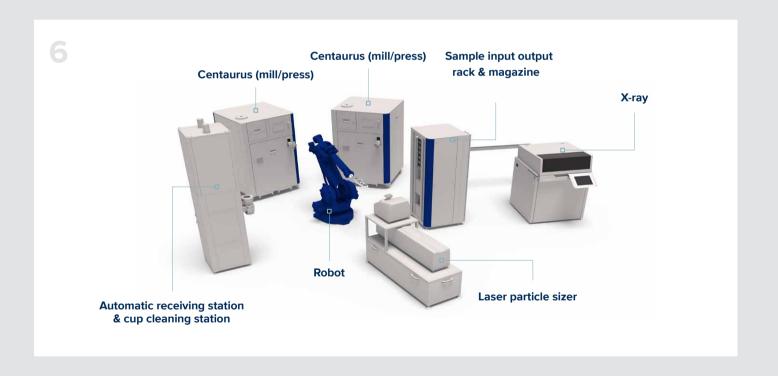
Options from standalone to fully automated cement laboratory preparation





Combinations to suit a range of operational requirements

QCX RoboLabs are usually associated with large scale robot-driven cells. However, we offer a range of simpler equipment configurations to suit specific needs and budgets.



Advantages compared to manual sample preparation

- Fast and consistent sample preparation improves cement quality
- Consistent quality reduces fuel consumption in preheater and kiln
- Rapid particle sizing reduces mill's energy consumption
- Saves the work of 2-3 persons per shift
- Fast turnaround time from sampling to analysis: 7-10 minutes
- Eliminates risk of repetitive strain injuries
- Eliminates human errors (one closed circuit)
- Low maintenance requirement (fewer transfer conveyors)

- Composite sampling for shift averages
- All data, including analysis, handled in the QCX system (including reporting)
- High sample throughput
- Dedicated mill/press to avoid cross contamination
- QCX/Manager: control and recipe management
- Standard reports and trends: 100 day log horizon
- QCX driver controls XRF: one interface to whole system
- Fully flexible layout which can be expanded with additional mill, press, fusion, Blaine analyser etc.



Advantages compared to manual sample preparation

- Consistent quality reduces fuel consumption in preheater and kiln
- Saves the work of 0.5 person per shift
- Eliminates risk of repetitive strain injuries.



Advantages compared to manual sample preparation

- Consistent quality reduces fuel consumption in preheater and kiln
- Saves the work of 1 person per shift
- Eliminates risk of repetitive strain injuries
- Reduces risk of human errors (one closed circuit)
- QCX/Manager Light: control and recipe management
- Standard reports and trends. Log horizon 100 days
- QCX driver which controls XRF One interface to whole system.



Advantages compared to manual sample preparation

- Fast and consistent sample preparation improves cement quality
- Consistent quality reduces fuel consumption in preheater and kiln
- Saves the work of 1-2 persons per shift
- Fast turnaround time from sampling to analysis: 7-10 minutes
- Eliminates risk of repetitive strain injuries
- Eliminates human errors (one closed circuit)
- QCX/Manager Light: control and recipe management.
- Standard reports and trends: 100 day log horizon
- QCX driver controls XRF: one interface to whole system.



Advantages compared to manual sample preparation

- Fast and consistent sample preparation improves cement quality
- Consistent quality reduces fuel consumption in preheater and kiln
- Rapid automated particle sizing reduces mill's energy consumption
- Saves the work of 1-2 persons per shift
- Fast turnaround time from sampling to analysis: 7-10 minutes
- Eliminates risk of repetitive strain injuries
- Eliminates human errors (one closed circuit)
- QCX/Manager Light: control and recipe management
- Standard reports and trends: 100 day log horizon
- QCX driver controls XRF: one interface to whole system.



Advantages compared to manual sample preparation

- Fast and consistent sample preparation improves cement quality
- Consistent quality reduces fuel consumption in preheater and kiln
- Saves the work of 2-3 persons per shift
- Fast turnaround time from sampling to analysis: 7-10 minutes
- Eliminates risk of repetitive strain injuries
- Eliminates human errors (one closed circuit)
- High sample throughput
- Dedicated mill/press to avoid cross contamination
- QCX/Manager Light: control and recipe management
- Standard reports and trends: 100 day log horizon
- QCX driver controls XRF: one interface to whole system.



www.flsmidth.com/spa

automation@flsmidth.com

in flsmidth.com/linkedin

flsmidth.com/twitter

f flsmidth.com/facebook

flsmidth.com/instagram

flsmidth.com/youtube