



WE'VE PUT THE CONTROL BACK INTO PROCESS CONTROL

Introducing the
X-Series **FLX+** Free Lime Analyzer
with direct measurement of C_3S



INCORPORATED GRINDER &
SAMPLE PREPARATION ROBOTICS

OVER 100 TIMES MORE MATERIAL
ANALYZED IN ONE HOUR

ACCURATE TEST RESULTS
EVERY 5 MINUTES

TURN FREE LIME ANALYSIS INTO YOUR NEW COMPETITIVE ADVANTAGE

Eliminate wet chemical methods or time consuming, complex and often inaccurate powder pellet analysis with the new X-Series FLX+ Free Lime Analyzer, designed to deliver analysis of crushed or ground clinker for process control.



Don't bring samples to the lab; the flexibility of the FLX+ allows you to bring the analysis to the process.

Using XRD analysis, the FLX+ state-of-the-art technology enables large sample sizes to be tested every five minutes.

This provides more representative analysis for better process control while eliminating laborious and inefficient tasks.

Seamlessly integrates grinding, sample preparation, ultra fast detection and analysis into one accurate automated process.



Simply pour crushed clinker into the grinder for a free lime analysis in 5 minutes.



Simple to use touch screen interface.





Features & Benefits

- Ultra fast operation with free lime results in just minutes with direct measurement of free lime (CaO) and C_3S
- Intuitive and simple to use
- Designed for indoor benchtop use or outdoor continuous online operation
- Inbuilt, automatic precision robotics replace the need for a separate pulverizer and pellet press
- Large processed sample quantity 200g (½lb) generates results that are more representative of the process than other available methods
- Incorporated grinder accepts hot crushed clinker up to 12mm (½")
- Self-adjusting grinder automatically compensates for wear, ensuring consistent and accurate results over time
- Unique patented sample delivery system delivers outstanding accuracy and repeatability
- Dual inlets for powder and coarse material
- Self-referencing internal calibration minimizes drift and increases accuracy
- Proprietary state-of-the-art, high resolution solid state detector for accurate high speed XRD analysis
- Ultra efficient x-ray system decreases power consumption and heat generation
- Industrial grade HD touchscreen computer interface for easy operation, diagnostics and control
- Integrated Modbus TCP/IP protocol for fast and easy data transfer
- Requires only a standard wall power outlet for operation without need for special gases or additional cooling system
- Modular system allows for multiple batch analysis or at-line configurations
- Optional ruggedization module for outdoor configuration

FLX+ Specifications

Dimensions

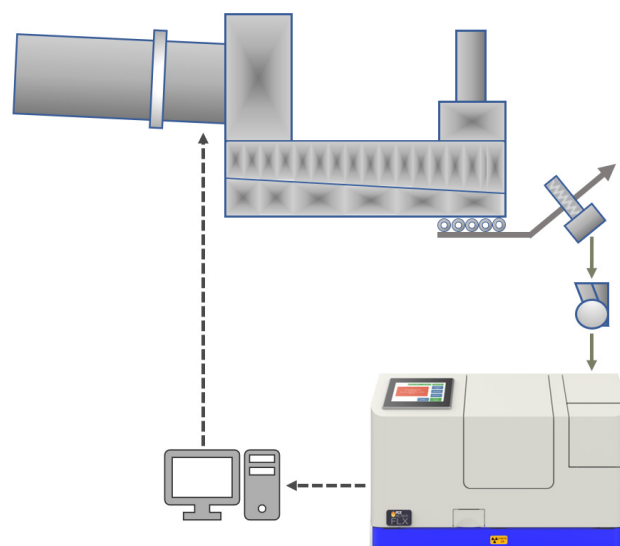
750 x 520 x 470 mm (30 x 21 x 19 inches)

Weight

90kg (200lbs)

Power

110 or 220VAC 50/60 Hz, 1200W



Plant layout diagram showing FLX+ integration





Why FCT ACTech?

For almost 20 years, FCT ACTech has been in the business of engineering tools for better process control. The FLX free lime analyzer is part of the "X" family of analyzers providing a big step forward for quality control. Our most recent breakthrough product is the ultra fast RMX raw meal analyzer for reduced feed variability, which has proven to be extremely effective in reducing raw mix variation.

Customers are fully supported by process engineers who have extensive industry experience. We design and manufacture the instrumentation that we know would have made profound improvements to the operations of the plants we once worked in.

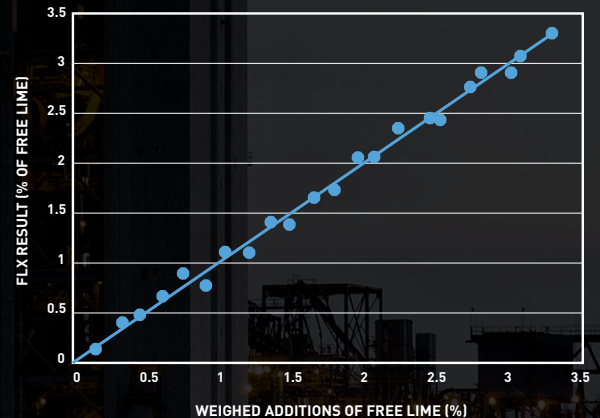
When you purchase an FCT ACTech product, you get local support and a global network of experts and professionals with intimate industry knowledge.

CONTACT

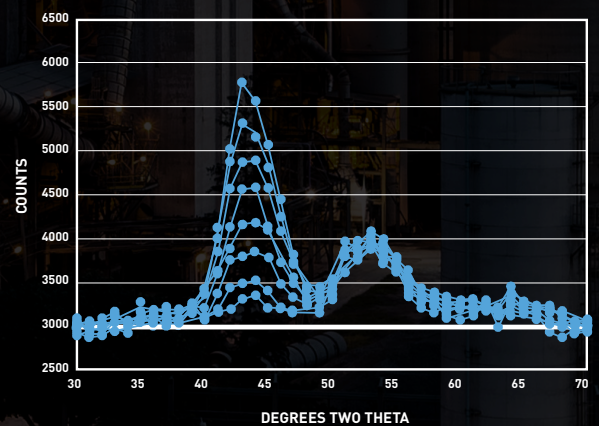
AUSTRALIA (Asia Pacific)
20 Stirling St,
Thebarton SA 5031
T: +61 (8) 8352 9948
F: +61 (8) 8352 9988
E: ACTech@fctinternational.com

USA (North & South America)
11440 W. Bernardo Crt, Suite 300
San Diego, CA 92127
T: + 1 (858) 333 5615
M: + 1 (858) 774 4150
F: + 1 (610) 725 8846
E: ACTech_US@fctinternational.com

EUROPE (Middle East)
M: + 43 664 39 20 330
E: ACTech_ALL@fctinternational.com



FLX results are consistent across the entire analysis range.



Robust and reliable free-lime results on varying free lime concentrations employing the proprietary FLX spectrometer.