

XRF Application Solutions



















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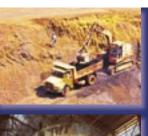
Application packages

We offer ready to go **calibration packages** for x-ray fluorescence analysis.

Our analytical team has developed special calibration packages for:

- Cement industry
- Raw materials
- Glass industry
- Steel industry

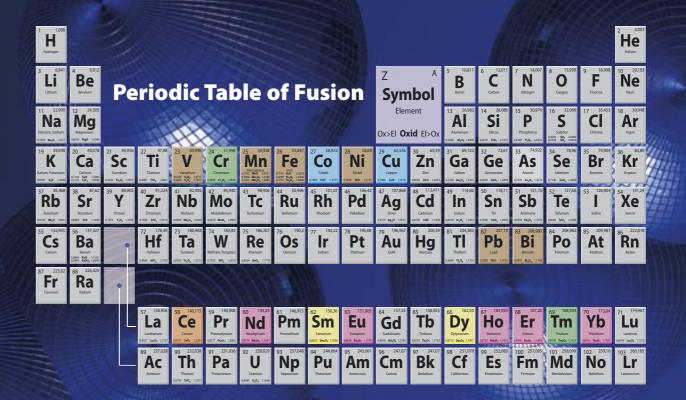
We install the **complete analytical method**, within a few days, on the XRF instrument in your laboratory.











Advantages to developing your application with us:

- 1. No development time in your laboratory
- 2. Cost saving
- **3.** Fast introduction of **new methods**
- **4. Easy calculation** of costs
- **5. Guarantee** on reproducibility and accuracy
- 6. Calibration with highest quality
- 7. Newcomers become **experts** quickly
- 8. Guaranteed after sales support



Typical content of a package:

- Sample **preparation tools:** fusion machine, mill, press
- **Chemicals:** flux, binder, grinding agent
- 1 set of **calibration standards** ready for measurement
- 1 set of drift correction samples
- 1 set of validation samples
- Installation of measuring program on the XRF instrument in your laboratory
- Calibrating on site
- **Validation** with your own samples
- **Training** of your laboratory staff
- Customer acceptance
- After sales support from our team of XRF experts
- Contribution to our round robin tests
- **Cross check** of routine results with our application laboratory











Application packages

FLUXANA has developed fusion applications for the following products. We will be pleased to help you set up your own high precision fusion method.

Ready to go application packages:

Article-No.:	Application
CS- 0001-K	FLUXANA Calibration Cement, Clinker, Raw Meal
CS- 0001/7-K	FLUXANA Calibration Cement + Raw Materials etc.
CS- 0007-K	FLUXANA Calibration OXIDES Basic
CS- 0005-K	FLUXANA Calibration OXIDES Advanced
CS- 0016-K	FLUXANA Calibration Glass Industry
CS- 0003e/b/c/f-K	FLUXANA Calibration Ferro Alloys FeMo, FeMn, FeSi, FeSiMn
CS- 0003d-K	FLUXANA Calibration Ferro Alloys FeCr
CS- 0003e-K	FLUXANA Calibration Ferro Alloys FeCr, FeV,
CS- 0009	FLUXANA Custom calibration to your specification
CS- 0017-K	FLUXANA Calibration Slags

All standard calibrations are developed in our own application laboratory.

We will be pleased to accept your test samples for evaluation in our laboratory and can work together with you to develop new methods to transfer to install in your laboratory.

Ask for a free presentation in our lab whenever you like.

Drift monitors

After establishing a calibration on an x-ray fluoruescence instrument it is desirable to use it for as long as possible without adjustment. This wouldn't be a problem if the instrument did not change in sensitivity over time but this is not the case. The x-ray tube loses intensity and the detector loses sensitivity.

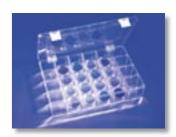
Service work such as changing an x-ray tube or a crystal will effect the sensitivity also.

To use an existing calibration over a long time the change in sensitivity for an element has to be detected by a drift monitor and then used to correct for it. Such samples are called drift monitors, monitor samples, reference samples or monitor standards.

FLUXANA calibrations, installed in many customer laboratories contain a special selection of drift monitors to guarantee excellent long term stability.

These monitor samples have been designed specifically for use in our customer applications.

We develop and manufacture our own monitor samples, from customer feedback and to specific requirements.







Examples for FLUXANA monitor glasses:		
FLX-C1, C3, Z1, Z2, Z3	Cement, raw materials cement industry, glass industry	
FLX-S13	Multi - element X-ray calibration	
FLX-S6M	X-ray calibration	
FLX-SP1, SP2	Raw materials, ores	

