

Agenda webinar

- **Introduction** Instrument Solutions & Spex/Katanax
- **Basics** and **advantages** of **fusion technique**
- Advantages of **Katanax Electric Fusion Systems**
- **Live demonstration** – by Nadia Ducharme, Katanax
- Questions & discussion

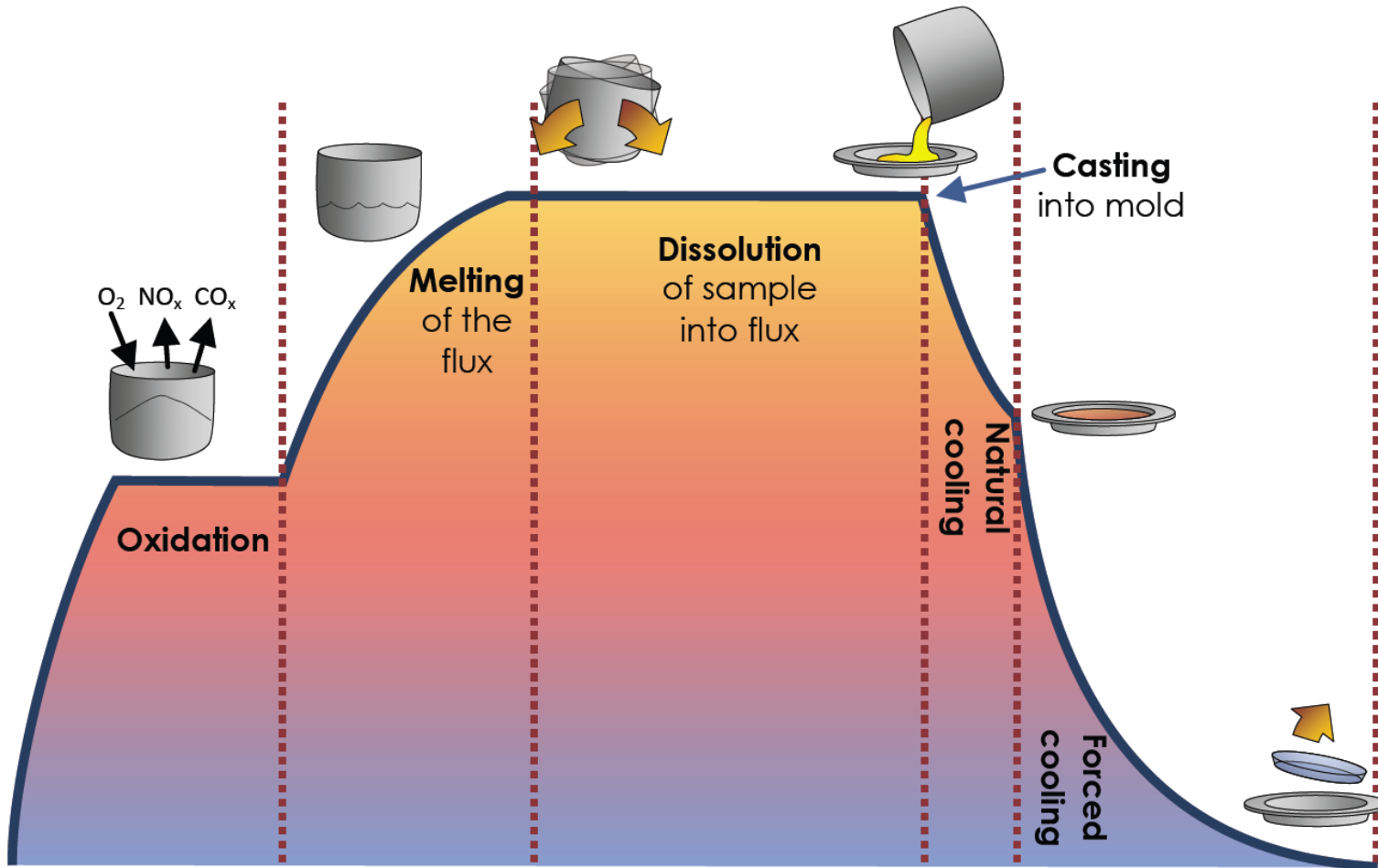
- Instrument Solutions Benelux B.V.
 - Privately owned Dutch laboratory supplier
 - founded in 2000
 - Partnerships with international manufacturers

Instrument Solutions and Spex/Katanax are exclusive partners since 2014 for BeNeLux

- Katanax: a Spex Sample Prep Company
 - Founded in 2002
 - Pioneer in electric fusion technique
 - Located in Canada and UK



- Elemental analysis
- Chromatography
- Material Characterisation

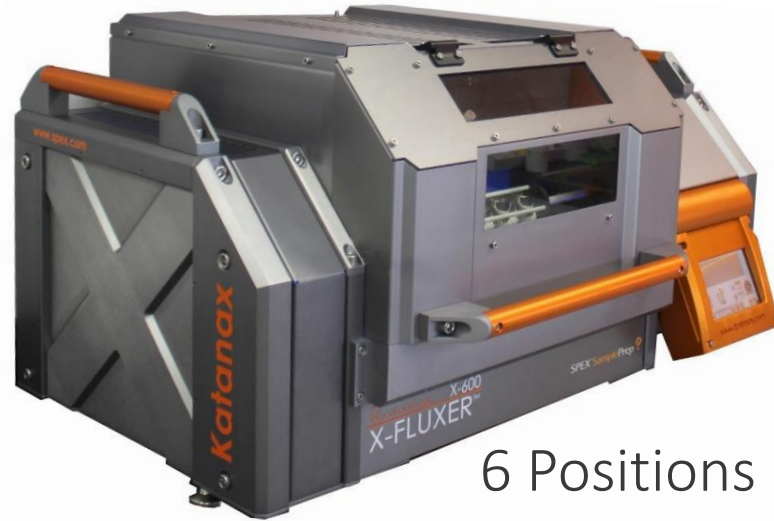


Solutions in dilute acid

- **Advantages for XRF Sample Prep**

- Glass beads are homogeneous down to the atomic level
- Matrix effects are highly reduced
- Reproducibility of line intensities is greatly enhanced
- Calibration standards of virtually any composition can be made by mixing pure oxides

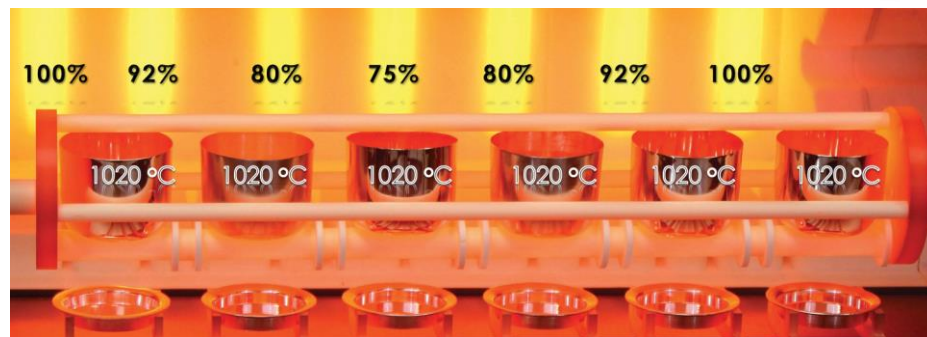
- **Advantages for Solutions Sample Prep (ICP, Radiochemistry)**
 - Complete digestion of the sample
 - Very efficient in digesting complex material
 - Safety: Can be used as alternative for HF digestion
 - Speed: complete digestion in approx. 20 min



6 Positions



No metal parts exposed in furnace



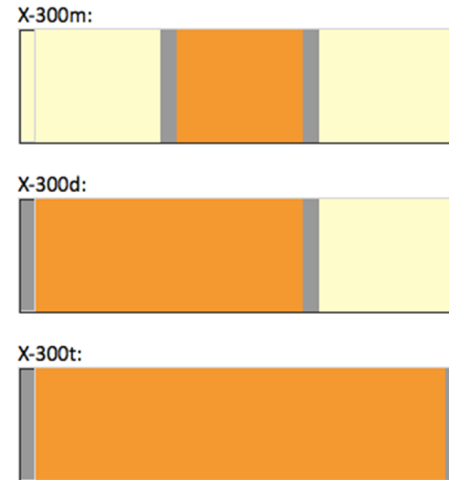
Dynamic power profile control



Stirred teflon beakers



Compact device with
X-600 technology



1, 2 or 3 positions



Flexible modular setup

- Heating elements impervious to flux
- No exposed metal in furnace
- Full shield protection
- Dynamic power profile control:
 - Uniformity of the temperature in the furnace
 - Non Stop, even with a broken element
- Lifetime free method development

Next:
Live demonstration from the Katanax Application Laboratory
By:
Nadia Ducharme



- For more information
- For testing of your samples
- Method development requests
- Application specific webinars

please contact:

Jeroen van Boxtel / Product Manager
j.vanboxtel@instrument-solutions.com
+31(0) 88 4678 786

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