The machine is designed as a compact unit for dosing XRF melt samples.

For dosing the XRF melt samples, a melting agent is added to the sample.

The flux is contained in a bottle that is screwed into the dosing head.

The dosing is done by a solenoid valve (fast dosing) and by a vibration unit (fine dosing). The mixing ratio is monitored by an integrated scale.

The conveying equipment is electrically driven.

For the electrical power source, shut-off devices are provided according to the applicable standards.

Basically, all mechanical hazards are secured by enclosure (separating protective devices).

The hazards due to energy supply lines are eliminated in compliance with the relevant standards.

Commercial application intended for dosing XRF fusion samples. These consist of the samples to be analysed and the added flux.

The quantity of the XRF melt samples is determined by the machine parts and the control system.

A stable base frame is required for safe and trouble-free operation.

The max. filling quantity depends on the size of the beakers. The largest cup to be used has a filling quantity of 50 ml of melt.

All documented requirements of the operating instructions are considered as intended.

Transport:

In the packaging, to be picked up with industrial trucks.

Storage or transport may only take place in standard, dry storage rooms or means of transport.

Installation Commissioning:

Installation instructions are included as a document with each machine. This also applies to the operating instructions.

Installation and commissioning may only be carried out by suitably qualified personnel such as mechanics and electricians.

The manufacturer's requirements are described in the pre-installation instructions and must be fulfilled.

Operation:

Operation is to be carried out by instructed personnel. Safe operation, in accordance with the intended use, must be instructed.

Set-up:

Safety requirements see specifications in the BL

Maintenance:

All maintenance work must be carried out by appropriately qualified personnel, such as mechanics and electricians. The energy sources must be disconnected and secured if necessary (e.g. for the replacement of components).

The disconnection point of the electrical energy source is the plug-in device, which must remain under the supervision of the maintenance person during the entire maintenance.

Decommissioning, disposal:

Disconnection from all energy supply lines.

Disposal see 1.4