

FLUXANA

Your supplier for
XRF Application Solutions

HD ELEKTRONIK

Fusion machines

Fusion techniques



VULCAN

Tools:

- Fusion machine
- Flux
- Flux mixtures for specific applications
- Platinum ware



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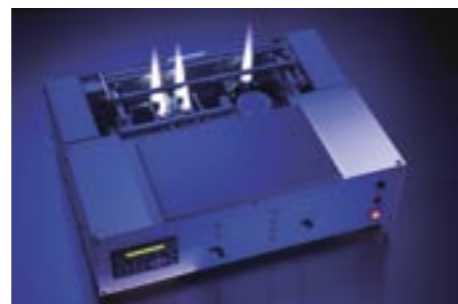
Official agent

NEW VULCAN MA

The first fusion machine to have automating temperature settings.

The fusion technique is used to improve precision over pressed powder techniques.

- No manual adjustment of flames
- Full microprocessor control
- Applications with variable temperature setting possible
- High flexibility for all types of applications
- Storage of 10 different programs



VULCAN 2MA, 4MA, 6MA, 21/22MA XRF/ICP

Technical Data	Vulcan 2MA	Vulcan 4MA	Vulcan 6MA	21/22MA XRF/ICP
Number of burners:	2	4	6	4
Voltage:	110-230/50 Hertz	110-230/50 Hertz	110-230/50 Hertz	110-230/50 Hertz
Power:	170 W	210 W	210 W	210 W

Other versions on request



Depending on requirements, we can offer machines from 2 to 6 positions. Therefore users can benefit from our applications database if they prepare only a few beads per month or 200 per day.

Flux

Borate flux with guaranteed purity. All fluxes are delivered with a certificate of analysis. Anhydrous homogeneous pre-fused fluxes with a low loss on ignition and defined granulometry. With these fluxes the sample will be desolved totally in a borate glass with a perfect surface.

- Non hygroscopic
- Dust < 1%
- Special fluxes on request
- > 99,98%



Part No.	Description	Quantity
FX-X100-2	Lithium tetraborate	2
FX-X65-2	Lithium tetraborate : Lithium metaborate 66:34	2
FX-X50-2	Lithium tetraborate : Lithium metaborate 50:50	2
FX-X20-2	Lithium tetraborate : Lithium metaborate 20:80	2
FX-X35-2	Lithium tetraborate : Lithium metaborate 35,3:64,7 1.2:2.2	2
FX-X00-2	Lithium metaborate	2

Flux sets for specific applications

Part No.	Description	Quantity
FX-FERRO4	Flux sets for ferro alloys (FeCr, FeV, ...)	1
FX-FERRO3	Flux sets for ferro alloys (FeSi, FeMo, FeMn, FeMnSi,...)	1
FX-XSUL	Flux sets for sulfides	1

Platinum ware for VULCAN

We supply platinum ware made from platinum/gold 95/5 for our fusion machines. We accept old platinum ware for recycling as credit against your next order. We offer all platinum ware also in FKS. This surface finishing increases the lifetime of your crucibles and moulds.



Please ask for a quote.

Part No.	Description	OD mm	ID mm	Height mm	Bottom mm	Weight g
FS-OT866	Crucible Vulcan	34	20	38	0,5	45
FS-OT867	Crucible Vulcan	36	22,5	38	0,5	51
FS-OA434	Mould	31	29	3	0,8	31
FS-OA877	Mould	34	32	3	0,8	31
FS-OA438	Mould	36	34	3	0,8	45
FS-OA439	Mould	41	39	3	0,8	46

For your order in platinum FKS just add 'FKS' to the part no!

Tools

Fusion gives the highest reproducibility for XRF and lowest error.

Part No.	Description	Quantity
FS-OZ327	Crucible tongs, shoes of platinum, length 230mm, ca. 3g Pt	1
FS-US	Ultrasonic bath with heating, Vol. ca. 1,8l for cleaning	1
FS-AB0001	Hood for VULCAN incl. Fan	1
WZ-0004	Suction tool for beads and pellets	1
BX-0004-46-6*	Box for single sample	100 per pack

Please ask for installation requirements
* other sizes on request



Applications

We offer ready to go calibration packages for x-ray fluorescence analysis. Please see our application flyer for further information.