



INSTRUMENTS

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HD

ELEKTRONIK

Fusion technology

Welcome to PD Instruments

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1. VULCAN-solutions for fusion:

Fusion technology is used to prepare samples to be analyzed with an X-ray fluorescence machine. It is also used to improve precision compared to pressed powder technology. Using your VULCAN in combination with the extractor hood will ensure that every bead is produced under the same constant conditions!

VULCAN MA

- Automatic version
- No manual adjustment of the flames
- Full microprocessor control
- Applications with variable temperature settings possible with greater flexibility for all sample types
- Storage for 10 different programs



Technical Data	VULCAN 2MA	VULCAN 4MA	VULCAN 6MA
Stations:	2 XRF	4 XRF	6 XRF
Voltage:	110 V/60 Hz 230 V/50 Hz	110 V/60 Hz 230 V/50 Hz	110V/60 Hz 230V/50 Hz
Power:	170 W	210 W	210 W
Temperatures:	0-1.600 °C	0-1.600 °C	0-1.600 °C
Permiss. air pressure:	6 bar	6 bar	6 bar
Permiss. natural gas press.:	250 mbar	250 mbar	250 mbar
Permiss. propane gas press.:	250 mbar	250 mbar	250 mbar
Permiss. oxygen gas press.:	2 bar	2 bar	2 bar
Air consumption:	max. 1 m3/hr	max. 2 m3/hr	max. 3 m3/hr
Oxygen consumption:	max. 0.5 m3/hr at 3 bar	max. 1 m3/hr at 3 bar	max. 1.5 m3/hr at 3 bar
Natural gas consumption:	max. 0.66 m3/hr	max. 1.2 m3/hr	max. 1.8 m3/hr
Or LPG* liquefied petroleum gas	max. 0.5 m3/hr at 3 bar	max. 0.6 m3/hr at 3 bar	max. 0.7 m3/hr at 3 bar
Length:	530 mm	530 mm	530 mm
Width:	530 mm	700 mm	700 mm
Height:	300 mm	300 mm	300 mm
Weight:	~ 40 kg	~ 45 kg	~ 50 kg
Samples per h:	5 - 7	8 - 10	16 - 20

* LPG: Liquefied Petroleum Gas, bottled gas
Other versions on request. Please ask for installation

Feed and mould control

- Easy fitting and lifting of the moulds
- Prevent from pouring on the burners
- Manual contact with the fusion chamber
- Longer durability of the moulds



Cover function for crucibles

- Higher temperature in the crucible
(excellent for materials that do not dissolve at low temperatures)
- Lower energy consumption (gases)
- Protection against contamination of the sample
- Higher thermal stability in the crucible



VULCAN ICP/AAS

- Automatic version
- Available as pure ICP device with 4 or 6 stations
- Also available as a mix of XRF and ICP stations, for e.g. 21 MA
22 MA, 31 MA, 32 MA, 41 MA and 42 MA
(first number indicates the XRF-stations, the second the ICP-stations)
- Speed of the magnetic stirrer is adjustable

Other versions on request.

Technical Data	VULCAN 22MA/ICP	VULCAN 4 MA/ICP	VULCAN 6MA/ICP
Stations:	2 XRF / 2ICP	4 ICP	6 ICP
Voltage:	110 V/60 Hz 230 V/50 Hz	110 V/60 Hz 230 V/50 Hz	110 V/60 Hz 230 V/50 Hz
Power:	210 W	210 W	210 W
Temperatures:	0-1.600 °C	0-1.600 °C	0-850 °C
Permiss. air pressure:	6 bar	6 bar	6 bar
Permiss. natural gas press.:	250 mbar	250 mbar	250 mbar
Permiss. propane gas press.:	250 mbar	250 mbar	250 mbar
Permiss. oxygen gas press.:	2 bar	2 bar	-
Air consumption:	max. 2 m3/hr	max. 2 m3/hr	max. 3 m3/hr
Oxygen consumption:	max. 1 m3/hr at 3 bar	max. 1 m3/hr at 3 bar	-
Natural gas consumption:	max. 1.2 m3/hr *	max. 0.9 m3/hr *	max. 1.35 m3/hr *
Or LPG* liquefied petroleum	max. 0.5 m3/hr at 3	max. 0.45 m3/hr at 3	max. 0.525 m3/hr at 3
Length:	530 mm	530 mm	530 mm
Width:	700 mm	700 mm	700 mm
Height:	300 mm	300 mm	300 mm
Weight:	~ 45 kg	~ 45 kg	~ 50 kg

VULCAN Peroxid

- Automatic version
- No manual adjustment of flames
- Full microprocessor control
- Applications with variable temperature settings possible with greater flexibility for all sample types
- Storage for 10 different programs



PTFE - Cups

PTFE-Cups for VULCAN ICP/AAS capacity 500 ml height 120 mm, diameter 75 mm

Options:

- Automation bar for dosing of release agent
- Zircon crucible for peroxide fusion



FLUX

Pre-fused borate fluxes are available with the following properties.

All fluxes are supplied with full certification. A complete range of pre-fused fluxes is available ranging from 100% lithium tetraborate to 100% lithium metaborate in any combination.

- Non-hygroscopic
- Highly pure qualities: 99,99%
- Low loss of ignition: < 0,05% typical
- Standardisation of batches
- Non dusty

Release or non-wettings agents, oxidizing or other speciality chemicals may be incorporated into our fluxes, in any required percentage.

Please contact us with your specific requirements.



Item No.	Description	Quantity in kg
1018200	FLUX LT100: Lithium Tetraborate	2
1011200	FLUX LT66:LM34: 66% Lithium Tetraborate: 34% Lithium Metaborate	2
1007300	FLUX LT50:LM50: 50% Lithium Tetraborate: 50% Lithium Metaborate	2
1007000	FLUX LT20:LM80: 20% Lithium Tetraborate: 80% Lithium Metaborate	2
1015900	FLUX LT80:LM20: 80% Lithium Tetraborate: 20% Lithium Metaborate	2
1017800	FLUX LM100: Lithium Metaborate	2

Oxidizing and non-wetting agents

Fusion technology has the advantage of being able to include additives in the melt. These analysis enhancing additives include oxidizers, non-wetting agents, internal standard or heavy absorbers.

Item No.	Description	Quantity
PDI-LiBr	Non wetting agent	100 g
PDI-Utl_1	Oxidizer for ferroalloys, slag	250 g
PDI-Utl_2	Oxidizer for ferroalloys and metals	250 g
PDI-Kat_1	Catalyst for Fev, FeCr, FeTi	1000 g

Platinum ware for VULCAN

We provide an extensive range of platinum crucibles, dishes and moulds. Platinum is the best known and least rare of the platinum group metals. Its high melting point, 1773 degrees Celsius, ductility and excellent resistance to chemical attack by acids makes it very suitable for laboratory ware.

We also offer all platinum ware in FKS.

This surface finishing increases the lifetime of your crucibles and moulds. Please ask for a quote.



Item No.*	Description	OD mm	ID mm	Height mm	Bottom mm	Weight g
866	Crucible	34	20	38	0.5	45
867	Crucible	36	22.5	38	0.5	54
434	Mould	31	29	3.8	0.8	31
877	Mould	34	32	3.8	0.8	31
438	Mould	36	34	3.8	0.8	45
439	Mould	41	39	3.8	0.8	46

*For your order in platinum FKS, just add 'FKS' to the part no! Other sizes on request.

We accept used platinum ware for recycling.



2. Pressing technology:

Hercules - 25t manual

- Max. pressure 25t
- Pressure display 0-25t
- Piston 115mm
- Stroke 30mm
- Bolster screw diameter 40mm
- Bolster screw travel 200mm
- Min. distance between pressing faces 70mm
- Max. distance between pressing faces 200mm
- Dimensions (WxHxD) 340x840x475mm
- Weight 110kg

Hercules - 25t automatic

- Max. pressure 25t
- Pressure display 0-25t
- Piston 115mm
- Stroke 30mm
- Bolster screw diameter 40mm
- Bolster screw travel 200mm
- Min. distance between pressing faces 70mm
- Max. distance between pressing faces 200mm
- Dimensions (WxHxD) 340x840x475mm
- Weight 115kg

Hercules - 40t automatic

- Max. pressure 40t
- First bench top unit worldwide
- Pressure display and up to 10 different application programs
- Three ramping steps programmable
- Press chamber lightning
- Piston 100m; Stroke 60 mm
- Voltage 230V / 50Hz, 110V / 60Hz
- Dimensions (WxHxD) 340x490x550mm
- Weight 120kg



3. Pressing accessories:

Binder

Binding agents are often included with the sample material when preparing pressed pellets for XRF analysis. These products assist in creating more solid and stable pellets.



Item No.	Description	Quantity
SO-press001	Boric acid powder	1,5 kg
SO-press00125	Boric acid tablets	250mg - 1000 tablets
SO-press0011	FreeBORE powder (to replace "Boric acid" classified CMR)	0,8 kg
SO-press004	Licowax® C micropowder (Hoechst wax)	0,75 kg
SO-press0041	Licowax® C micropowder (Hoechst wax)	5 kg
SO-press0042	Licowax® C micropowder (Hoechst wax)	20 kg
SO-press002	Cellulose powder	0,8 kg
SO-press00325	Cellulose tablets	250mg - 500 tablets
SO-press005	MIX55	0,75 kg
SO-press00525	MIX55 tablets	250mg - 500 tablets

Filling tool

Press pellet filling tool especially for low quantities of samples.

- SO-FL032 - 32mm filling tool
- SO-FL040 - 40mm filling tool



Aluminium cups

Aluminium cups are frequently used in the production of pressed pellets for XRF analysis. They assist in creating a stabilized pellet, which is more durable and easier to handle.



Item No.	Description	Quantity
SO-S32	Straight Walled Aluminum cups 30 x 8mm	1000 cups
SO-S40	Straight Walled Aluminum cups 38.5 x 9.5mm	600 cups
SO-T40	Tapered Aluminum cups 39.8 x 9.5mm	600 cups
SO-S40H	Straight Walled Aluminum cups 39.8 x 7.5mm	600 cups
SO-S40H2	Straight Walled Aluminum cups 39.8 x 7.5mm	600 cups
SO-T32	Tapered Aluminum cups 31,8 x 9mm	1000 cups
SO-T35	Tapered Aluminum cups 35 x 8mm	1000 cups
SO-S33	Straight Walled Aluminum cups 33 x 8mm	1000 cups
SO-S40	Straight Walled Aluminum cups 38.5 x 9.5mm	600 cups

Pellet film

Protective die pellet film: perfect method to protect surface of die pellets and to avoid cross contamination.

- SO-PF32 - precut pellet film – 32mm (500pc)
- SO-PF40 - precut pellet film – 40mm (500pc)



4. Sample cups & films:

XRF sample cups

PD Instruments offer a comprehensive selection of XRF sample cups to suit many different models of XRF spectrometers.



Item No.	Description	OD mm	ID mm	H mm	Vol ml
CUP-SPEC1-32	Sample cup 32mm / Spectro®: Double Open Ended w/ Lid - 100pcs	32	25	23	10
CUP-PAN1-35	Sample cup 35mm / Panalytical®: Double Open Ended w/ Lid - 100pcs	35	28	30	14
CUP-BRU1-40	Sample cup 40mm / Bruker® & ARL/Thermo® : Double Open Ended w/ Lid - 100pcs	40	34	21	14
CUP-BRU2-40	Sample cup 40mm / Bruker®: Double Open Ended w/ Lid - 100pcs	40	35	30	18
CUP-SO-32	Sample cup 32mm / Universal: Single Open Ended, Cup/Ring/Collar - 100pcs	32	25	24	10
CUP-SO40	Universal: Single Open Ended: Cup/Ring/Collar - 100pcs	40	32	24	18
CUP-DOU-40	Sample cup 40mm / Universal: Double Open Ended: Cup/2 Rings - 100pcs	40	32	24	18
CUP-DOU-32	Sample cup 32mm / Universal: Double Open Ended: Cup/2 Rings - 100pcs	32	26	24	12
CUP-UN2-32	Sample cup 32mm / Niton®: Double Open Ended: Cup/Ring/Cap - 100pcs	32	26	24	12
CUP-UN3-32	Sample cup 32mm / Spectro®,: Double Open Ended: Cup/Ring/Cap - 100pcs	32	26	26	14
CUP-PAN2-35	Sample cup 35mm / Panalytical®: Double Open Ended: Cup/Ring/Cap - 100pcs	35	28	32	18
CUP-UN5-40	Sample cup 40mm / Universal: Double Open Ended: Cup/Ring/Cap - 100pcs	40	32	24	18
CUP-PAN3-45	Sample cup 45mm / Panalytical®: Double Open Ended: Cup/Ring/Cap - 100pcs	45	40	32	36
CUP-HO-47	Sample cup 47mm / Horiba® and ARL®: Single Open Ended: Cup/Ring - 100pcs	47	38	18,5	15
CUP-MC1-31	Micro cup/ Double Open Ended: Cup/Collar/Lid/Base - 100pcs	31	17	21	10

Films:

X-ray films are carefully selected because of their minimal impurity trace levels and the uniformity of thickness ensures reproducibility of batches.

Item No.	Description	Package
1.5μ		
MYL-1.5Roll	MYLAR®, 1.5μ, Continuous Roll – 7.6cm x 91.4 m	1 roll/box
MYL-1.5sheet05	MYLAR®, 1.5μ, Pre-cut sheets – 7.6cm x 7,6cm	500pcs/box
MYL-1.5sheet10	MYLAR®, 1.5μ, 1000 Pre-cut sheets – 7.6cm x 7,6cm	1000pcs/box
2.5μ		
MYL-2.5Roll	MYLAR®, 2.5μ, Continuous Roll – 7.6cm x 91.4 m	1 roll/box
MYL-2.5Circ05	MYLAR®, 2.5μ, Pre-cut Circle – Ø63.5mm	500pcs/box
MYL-2.5Circ10	MYLAR®, 2.5μ, Pre-cut Circle – Ø63.5mm	1000pcs/box
MYL-2.5sheet05	MYLAR®, 2.5μ, Pre-cut sheet – 7.6cm x 7.6cm	500pcs/box
MYL-2.5sheet10	MYLAR®, 2.5μ, Pre-cut sheet – 7.6cm x 7.6cm	1000pcs/box
3.0μ		
MYL-3.0Roll	MYLAR®, 3.0μ, Continuous Roll – 7.6cm x 91.4 m	1roll/box
MYL-3.0sheet051	MYLAR®, 3.0μ, Pre-cut sheet – Ø63.5mm	500pcs/box
MYL-3.0sheet05	MYLAR®, 3.0μ, Pre-cut sheet – 7.6cm x 7.6cm	500pcs/box
MYLS-3.0Circ10	MYLAR®, 3.0μ, Pre-cut Circles – Ø89mm	500pcs/box
FV-130-112	MYLAR®, 3.0μ, Pre-cut FilmVelopes – Ø38mm	100pcs/box
3.5μ		
MYL-3.5Roll	MYLAR®, 3.5μ, Continuous Roll – 7.6cm x 91.4 m	1 roll/box
MYL-3.5sheet05	MYLAR®, 3.5μ, Pre-cut Circle – 7.6cm x 7.6cm	500pcs/box
MYL-3.5sheet51	MYLAR®, 3.5μ, Pre-cut Circle – Ø63.5mm	500pcs/box
MYL-3.5sheet001	MYLAR®, 3.5μ, Pre-cut Circle – Ø76.0mm	100pcs/box
MYL-3.5Circ10	MYLAR®, 3.5μ, Pre-cut Circle – Ø63.5mm	1000pcs/box
MYL-3.5sheet10	MYLAR®, 3.5μ, Pre-cut sheet – 7.6cm x 7.6cm	1000pcs/box
MYL-3.5sheet05	MYLAR®, 3.5μ, Pre-cut sheet – 7.6cm x 7.6cm	500pcs/box
MYLS-3.5Circ001	MYLAR® Low sulfur , 3.5μ, Pre-cut Circle – Ø76mm	100pcs/box
MYLS-3.5Circ05	MYLAR® Low sulfur , 3.5μ, Pre-cut Circle – Ø63.5mm	500pcs/box
MYLS-3.5Circ10	MYLAR® Low sulfur , 3.5μ, Pre-cut Circle – Ø89mm	1000pcs/box
FV-135-112	MYLAR®, 3.5μ, Pre-cut FilmVelopes – Ø38mm	100pcs/box
FV-135-212	MYLAR®, 3.5μ, Pre-cut FilmVelopes – Ø51mm	100pcs/box
6.0μ		
MYL-6.0Roll	MYLAR®, 6.0μ, Continuous Roll – 7.6cm x 91.4 m	1 roll/box
MYL-6.0Circ051	MYLAR®, 6.0μ, Pre-cut Circle – Ø76.0mm	100pcs/box
MYL-6.0Circ05	MYLAR®, 6.0μ, Pre-cut Circle – Ø63.5mm	500pcs/box
MYL-6.0sheet05	MYLAR®, 6.0μ, Pre-cut sheet – 7.6cm x 7.6cm	500pcs/box
MYL-6.0Circ10	MYLAR®, 6.0μ, Pre-cut Circle – Ø63.5mm	1000pcs/box
MYL-6.0sheet10	MYLAR®, 6.0μ, Pre-cut sheet – 7.6cm x 7.6cm	1000pcs/box
MYL-6.0Circ055	MYLAR®, 6.0μ, Pre-cut Circle – Ø89.0mm	500pcs/box
MYL-6.0Circ052	MYLAR®, 6.0μ, Pre-cut Circle – Ø120.0mm	100pcs/box
MYLS-6Circ001	MYLAR® Low sulfur , 6.0μ, Pre-cut Circle – Ø76mm	100pcs/box
MYLS-6Circ05	MYLAR® Low sulfur , 6.0μ, Pre-cut Circle – Ø63.5mm	500pcs/box
MYLS-6Circ055	MYLAR® Low sulfur , 6.0μ, Pre-cut Circle – Ø89mm	500pcs/box
MYLS-6Circ10	MYLAR® Low sulfur , 6.0μ, Pre-cut Circle – Ø63.5mm	1000pcs/box
FV-160-112	MYLAR®, 6.0μ, Pre-cut FilmVelopes – Ø38mm	100pcs/box
FV-160-212	MYLAR®, 6.0μ, Pre-cut FilmVelopes – Ø51mm	100pcs/box

Item No.	Description	Package
12.0μ		
MYL-12.0Roll	MYLAR®, 12.0μ, Continuous Roll – 7.6cm x 91.4 m	1 roll/box
MYL-12.0sheet05	MYLAR®, 12.0μ, Pre-cut sheet – 7.6cm x 7.6cm	500pcs/box
MYL-12.0sheet10	MYLAR®, 12.0μ, Pre-cut sheet – 7.6cm x 7.6cm	1000pcs/box
4.0μ		
POLYP-4.0Roll	POLYPROPYLENE, 4.0μ, Continuous Roll – 7.6cm x 91.4 m	1 roll/box
POLYP-4.0Circ05	POLYPROPYLENE, 4.0μ, Pre-cut Circle – Ø63.5mm	500pcs/box
POLYP-4.0Circ10	POLYPROPYLENE, 4.0μ, Pre-cut Circle – Ø63.5mm	1000pcs/box
POLYP-4.0Circ055	POLYPROPYLENE, 4.0μ, Pre-cut Circle – Ø89.0mm	500pcs/box
POLYP-4.0Circ051	POLYPROPYLENE, 4.0μ, Pre-cut Circle – Ø76.0mm	100pcs/box
POLYP-4.0sheet05	POLYPROPYLENE, 4.0μ, Pre-cut sheet – 7.6cm x 7.6cm	500pcs/box
POLYP-4.0sheet10	POLYPROPYLENE, 4.0μ, Pre-cut sheet – 7.6cm x 7.6cm	1000pcs/box
POLYPS-4.0Circ001	POLYPROPYLENE, Low sulfur 4.0μ, Pre-cut Circle – Ø76mm	100pcs/box
POLYPS-4.0Circ05	POLYPROPYLENE, Low sulfur 4.0μ, Pre-cut Circle – Ø63.5mm	500pcs/box
POLYPS-4.0Circ10	POLYPROPYLENE, Low sulfur 4.0μ, Pre-cut Circle – Ø63.5mm	1000pcs/box
POLYPS-4.0Circ055	POLYPROPYLENE, Low sulfur 4.0μ, Pre-cut Circle – Ø89mm	100pcs/box
FV-240-112	POLYPROPYLENE, FilmVelopes 4.0μ; Ø38.1mm	100 Per Box
FV-240-212	POLYPROPYLENE, FilmVelopes 4.0μ; Ø50.8mm	100 Per Box
5.0μ		
POLYP-5.0Roll	POLYPROPYLENE, 5.0μ, Continuous Roll – 7.6cm x 91.4 m	1 roll/box
POLYP-5.0Circ05	POLYPROPYLENE, 5.0μ, Pre-cut Circle – Ø63.5mm	500pcs/box
POLYP-5.0Circ10	POLYPROPYLENE, 5.0μ, Pre-cut Circle – Ø63.5mm	1000pcs/box
POLYP-5.0sheet05	POLYPROPYLENE, 5.0μ, Pre-cut sheet – 7.6cm x 7.6cm	500pcs/box
POLYP-5.0sheet10	POLYPROPYLENE, 5.0μ, Pre-cut sheet – 7.6cm x 7.6cm	1000pcs/box
6.0μ		
POLYP-6.0Roll	POLYPROPYLENE, 6.0μ, Continuous Roll – 7.6cm x 91.4 m	1 roll/box
POLYP-6.0Circ05	POLYPROPYLENE, 6.0μ, Pre-cut Circle – Ø63.5mm	500pcs/box
POLYP-6.0Circ10	POLYPROPYLENE, 6.0μ, Pre-cut Circle – Ø63.5mm	1000pcs/box
POLYP-6.0Circ055	POLYPROPYLENE, 6.0μ, Pre-cut Circle – Ø89.0mm	500pcs/box
POLYP-6.0Circ051	POLYPROPYLENE, 6.0μ, Pre-cut Circle – Ø76.0mm	100pcs/box
POLYP-6.0sheet05	POLYPROPYLENE, 6.0μ, Pre-cut sheet – 7.6cm x 7.6cm	500pcs/box
POLYP-6.0sheet10	POLYPROPYLENE, 6.0μ, Pre-cut sheet – 7.6cm x 7.6cm	1000pcs/box
POLYPS-6.0Circ055	POLYPROPYLENE, Low sulfur 6.0μ, Pre-cut Circle – Ø89mm	500pcs/box
12.0μ		
POLYP-12.0Roll	POLYPROPYLENE, 12.0μ, Continuous Roll – 7.6cm x 91.4 m	1 roll/box
POLYP-12.0sheet05	POLYPROPYLENE, 12.0μ, Pre-cut sheet – 7.6cm x 7.6cm	500pcs/box
POLYP-12.0sheet10	POLYPROPYLENE, 12.0μ, Pre-cut sheet – 7.6cm x 7.6cm	1000pcs/box
25.4μ		
POLYP-25.4Roll	POLYPROPYLENE, 25.4μ, Continuous Roll – 7.6cm x 15.2 m	1 roll/box
POLYP-25.4Roll01	POLYPROPYLENE, 25.4μ, Continuous Roll –10.2cm x 15.2m	1 roll/box
7.5μ		
KAP-7.5Roll	KAPTON®, 7.5μ, Continuous Roll – 7.6cm x 15.2m	1 roll/box
KAP-7.5Roll05	KAPTON®, 7.5μ, Continuous Roll – 7.6cm x 91.4m	1 roll/box
KAP-7.5sheet	KAPTON®, 7.5μ, Pre-cut sheet – 7.6cm x 7.6cm	500pcs/box

Item No.	Description	Package
12.7μ		
KAP-12.7Roll	KAPTON®, 12.7μ, Continuous Roll – 7.6cm x 15.2m	1 roll/box
KAP-12.7Roll05	KAPTON®, 12.7μ, Continuous Roll – 7.6cm x 91.4m	1 roll/box
KAP-12.7sheet	KAPTON®, 12.7μ, Pre-cut sheet – 7.6cm x 7.6cm	500pcs/box
25.4μ		
KAP-25.4Roll	KAPTON®, 25.4μ, Continuous Roll – 7.6cm x 15.2m	1 roll/box
KAP-25.4sheet	KAPTON®, 25.4μ, Pre-cut sheet – 7.6cm x 7.6cm	500pcs/box
2.0μ		
HOST-2.0Roll	HOSTOPHAN®; 2.0μ, Continuous Roll – 7.6cm x 91.4 m	1roll/box
HOST-2.0sheet05	HOSTOPHAN®; 2.0μ, Pre-cut sheets – 7.6cm x 7.6cm	500pcs/box
3.0μ		
HOST-3.0Roll	HOSTOPHAN®; 3.0μ, Continuous Roll – 7.6cm x 91.4 m	1roll/box
HOST-3.0sheet05	HOSTOPHAN®; 3.0μ, Pre-cut sheets – 7.6cm x 7.6cm	500pcs/box
3.5μ		
HOST-3.5Roll	HOSTOPHAN®; 3.5μ, Continuous Roll – 7.6cm x 91.4 m	1roll/box
HOST-3.5sheet05	HOSTOPHAN®; 3.5μ, Pre-cut sheets – 7.6cm x 7.6cm	500pcs/box
HOST-3.5sheet10	HOSTOPHAN®; 3.5μ, Pre-cut sheets – 7.6cm x 7.6cm	1000pcs/box

FilmVelopes are an Innovative proprietary thin film applicator utilizing specialty jackets firmly holding a thin film in place while allowing for a clean release upon application onto a sample cup without the risk of tearing or separating the film which can cause defects or wrinkles.

The final application is best suited for retaining samples such as liquids or loose powders within a sample cup that is prepared for X-ray sample preparation analysis.



5. Sample storage and accessories:

The table

- This specially designed table, together with the extraction hood creates the perfect professional setup for the Vulcan.
- The robust steel table has a fully integrated drawer for the storage of all necessary accessories.
- Height 750 mm, width 910 mm, depth 760 mm



The extractor hood

Using the VULCAN in combination with the extractor hood will ensure that every bead is produced under the same constant conditions, like temperature, circulation of air, stability of the flames!

The extractor hood removes all vapors and fumes, which develop during the fusion process; protecting health and extending the durability of the VULCAN instrument.



- Aluminum profile rack; high-grade steel cover and drain Heat resistant glass
- Constant circulation (no slanting of the flames)
Height 1298 mm, width 900 mm, depth 700 mm
- Motor (230 V/50 Hz/90 mA) continuously variable to 2760 r.p.m.;
110 V version also available.

Platinum tongs

Platinum tip stainless steel tongs

- PDI-TG250 - 250mm long with 5 or 10g per tong
- PDI-TG300 - 300mm long with 5 or 10g per tong



Sample storage

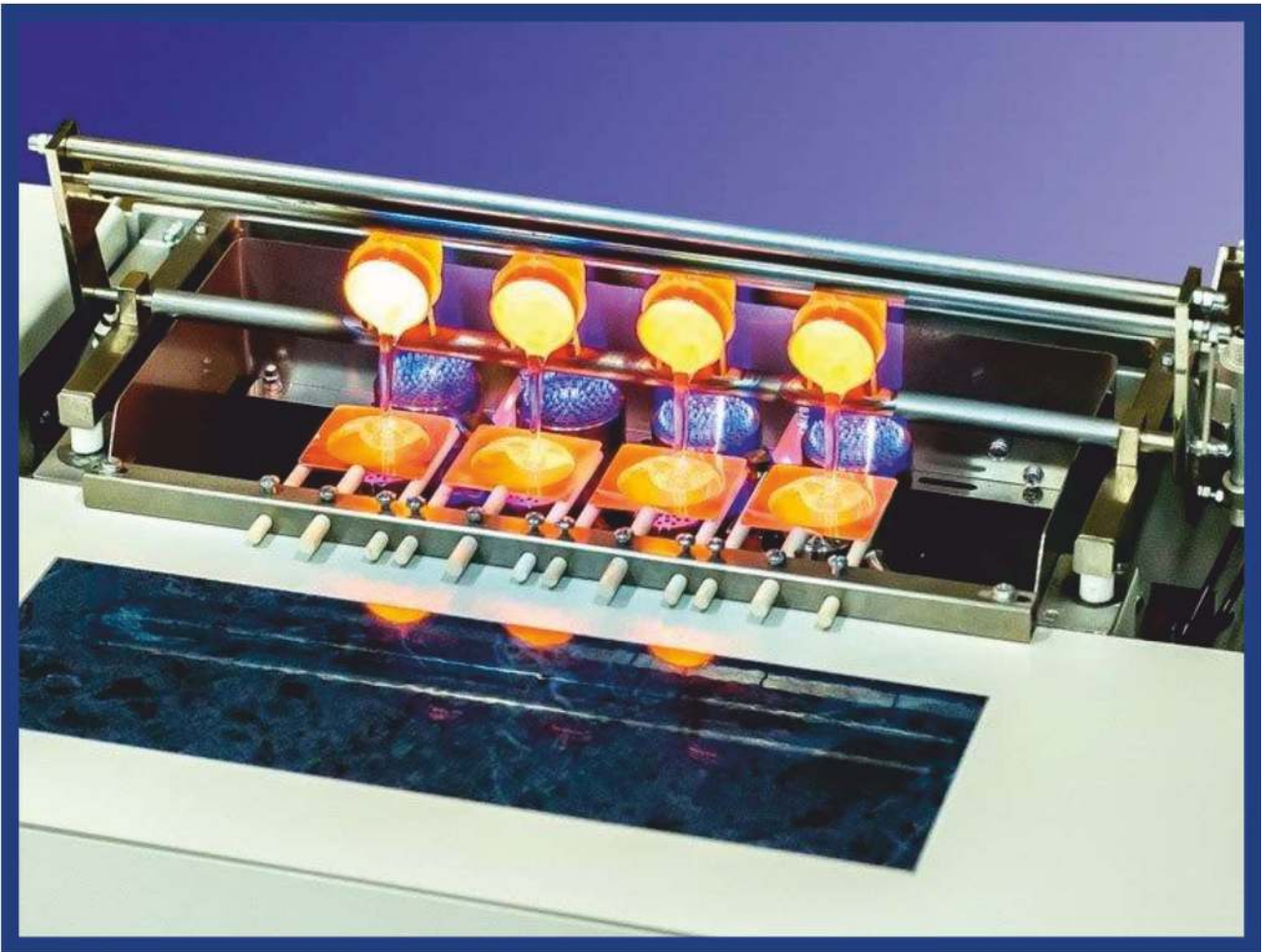
Storage containers are an excellent solution for your fused bead or press pellet reference materials. They should always be stored in a dust free environment to ensure future use.

Item No.	Description	Quantity
SO-TB001	Transparent boxes with sealed lid Ext. : Ø45 x 12mm	100pc
PDI-SS24	Box 225 x 335 x 55 mm, 24 x pockets	1
PDI-SSdesiccator	Dessiccator W350xH334xD410mm	1

Tools

- Bath with heating - Ultrasonic bath for the cleaning of platinum ware.
- Crucible for determination of LOI - Aluminium oxide crucible for determination of loss on ignition
- Scale pan for one - time use
- Pellet Dies - for use with the pelletising Presses. These evacuable pellet dies produce circular pellets in sizes from 5 mm to 40 mm diameter as standard. Please, ask for a quote.

NOTES:



OFFICIAL AGENT:



Bahnhofstrasse 4
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