



**XRF**  
scientific



**41 \** Crucibles

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**59 \** Refining service

**59 \** Platinum care products

# Platinum Labware



## XRF Scientific Platinum Labware

XRF Scientific provides an extensive range of Platinum Crucibles, Dishes and Moulds. Our Platinum Labware comes in standard configurations or we can assist in the design and manufacture of specialised platinum products. We take great pride in the fact that it can meet your laboratory needs from the most basic platinum utensils through to the most intricate individual designs.

- Perfect analytical surface
- Produced seamless to avoid weak spots
- Accurate flatness for correct and reproducible analytic results
- Inspected high purity materials

### Materials

Metals used for laboratory apparatus must have the following properties:

- High temperature strength
- High melting point
- Ductility
- Corrosion resistance
- Oxidation resistance



Platinum and its alloys possess these qualities and is therefore the most widely used metal for analytical laboratory apparatus. Properties of platinum and some common platinum alloys are briefly discussed here. All platinum from XRF Scientific conforms to International Metal Standards.

### Platinum

Platinum is the best known and least rare of the platinum group metals. Its high melting point, 1773 °C, ductility and excellent resistance to chemical attack by acids and fusion mixtures makes it very suitable for laboratory ware.

### Platinum 5% Gold

Universally accepted material of choice for crucible and casting moulds for spectrographic analysis by x-ray fluorescence (XRF). The alloy has higher temperature strength than pure platinum and has a “non-wetting” property, which results in easy removal of the sample after fusion and allows for many reproducible assays.

### Platinum 3.5% Rhodium

The rhodium alloys have higher hardness and high temperature strength making it suitable for more aggressive conditions.

### Platinum 10% Rhodium

This alloy has melting point of 1850 °C, it has greater hardness and higher strength than other platinum alloy. It is capable of maintaining its shape under the hottest furnace conditions.

### Auralloy

This alloy combines the “non-wetting” property of the Pt/Au alloy and the extra strength and durability of Pt/Rh alloys.

### Fusion Alloy

Platinum/Gold 5% alloy with added dopants for enhanced grain structure and increased strength at fusion temperatures. Better suited to harsh fusion conditions such as fusion lines.



## CRUCIBLES

## STANDARD FORM CRUCIBLES

Code Number	Capacity (cc)	Diameter (mm)	Depth (mm)	Estimated weight (g)				
				Standard Form	RIM only	Base only	RIM & BASE	Standard LID only
<b>GCS2.5</b>	2.5	12	15	3	4	4	5	2
<b>GCS5</b>	5	20	22	4	5	5	6	2
<b>GCS8</b>	8	25	24	6	7	7	8	2
<b>GCS10</b>	10	25	28	7	7.5	8	9	3
<b>GCS15</b>	15	30	31	11	12	13	14	4
<b>GCS20</b>	20	33	35	15	16	17	18	5
<b>GCS25</b>	25	36	34	19	20	21	23	5
<b>GCS30</b>	30	40	36	22	24	26	27	7
<b>GCS35</b>	35	41	38	25	26	27	32	7
<b>GCS40</b>	40	42	42	30	32	34	36	7
<b>GCS50</b>	50	45	44	38	40	42	45	8
<b>GCS60</b>	60	45	47	46	48	50	54	9
<b>GSC70</b>	70	49	53	50	52	54	63	12
<b>GCS80</b>	80	51	53	51	54	63	72	14
<b>GCS90</b>	90	54	57	52	59	71	81	15
<b>GCS100</b>	100	56	57	59	68	73	90	17
<b>GCS110</b>	110	56	60	68	71	81	95	19
<b>GCS120</b>	120	64	66	84	88	90	98	22
<b>GCS150</b>	150	65	69	100	104	107	114	27
<b>GCS200</b>	200	80	65	150	159	165	180	30
<b>GCS250</b>	250	81	73	175	179	183	190	32
<b>GCS700</b>	700	107	105	300	305	315	320	50



**Available Capacity**  
2.5-700ml (larger sizes made to order)

**Options**  
Lids, reinforced rims and/or bases.

**Reinforcing with a rigid rim**

Reinforcing of the rim gives the crucible a more robust character enabling regular handling with tongs, and reducing rim deformation.

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All are offered in: Pure platinum - Pt/Au alloy 95/5 - Pt/Rh alloy 97/3 - Pt/Rh alloy 90/10 - Fusion Alloy



## CRUCIBLES

## LOW PROFILE CRUCIBLE

Code Number	Capacity (cc)	Diameter (mm)	Depth (mm)	Estimated weight (g)				
				Standard Form	RIM only	Base only	RIM & BASE	Standard LID only
<b>GCL8</b>	8	25	21	6	7	7	8	2
<b>GCL10</b>	10	27	23	7	7.5	8	9	3
<b>GCL15</b>	15	30	27	11	12	13	14	4
<b>GCL20</b>	20	33	28	15	16	17	18	5
<b>GCL25</b>	25	36	30	19	20	21	23	5
<b>GCL30</b>	30	40	32	22	24	26	27	7
<b>GCL35</b>	35	42	33	25	26	27	32	7
<b>GCL40</b>	40	43	34	30	32	34	36	7
<b>GCL50</b>	50	46	37	38	40	42	45	8
<b>GCL60</b>	60	48	39	46	48	50	54	9
<b>GCL70</b>	70	52	41	50	52	54	63	12
<b>GCL75</b>	75	52	44	50	53	58	67	13
<b>GCL80</b>	80	52	47	51	54	63	72	14
<b>GCL90</b>	90	57	48	52	59	71	81	15
<b>GCL100</b>	100	57	51	59	68	73	90	17
<b>GCL110</b>	110	57	54	68	71	81	95	19
<b>GCL120</b>	120	57	57	84	88	90	98	22
<b>GCL125</b>	125	58	59	97	101	105	114	25
<b>GCL150</b>	150	60	60	122	126	110	124	26



**Available Capacity**  
8-125ml (larger sizes  
made to order)

**Options**  
Lids, reinforced rims  
and/or bases

## VOLATILE MATTER CRUCIBLE

Code Number	Capacity (cc)	Diameter (mm)	Depth (mm)	Estimated weight (g)	
				Crucible	Flanged cover
<b>GVM10</b>	10	25	28	7	6
<b>GVM15</b>	15	31	31	11	8
<b>GVM20</b>	20	33	35	15	9
<b>GVM25</b>	25	36	35	19	10
<b>GVM30</b>	30	40	36	22	11
<b>GVM40</b>	40	42	42	30	13
<b>GVM50</b>	50	45	44	38	14





## DISHES

Evaporating dishes may be ordered also with reinforced rim and heavy base. The additional cost for reinforcement is far outweighed by longer life and ease of handling. If covers are required, please specify.

## FLAT BOTTOM DISH

Code Number	Capacity (cc)	Diameter (mm)	Depth (mm)	Estimated weight (g)				
				Standard Form	RIM only	Base only	RIM & BASE	Standard LID only
<b>GD20</b>	20	41	20	6	7	8	9	6
<b>GD25</b>	25	42	23	8	9	10	12	10
<b>GD35</b>	35	49	25	12	13	14	16	13
<b>GD40</b>	40	51	26	15	17	18	20	14
<b>GD50</b>	50	53	29	17	19	21	25	15
<b>GD60</b>	60	58	30	20	21	23	27	19
<b>GD75</b>	75	65	30	25	27	30	33	22
<b>GD100</b>	100	70	33	33	35	37	40	25
<b>GD125</b>	125	74	34	42	44	45	48	28
<b>GD150</b>	150	77	41	50	53	55	60	33
<b>GD175</b>	175	84	40	55	59	64	68	41
<b>GD200</b>	200	90	43	67	71	75	80	44
<b>GD250</b>	250	94	42	80	82	83	88	51
<b>GD300</b>	300	110	45	94	98	100	105	55
<b>GD400</b>	400	115	48	133	137	140	148	58
<b>GD500</b>	500	124	50	170	179	185	200	61
<b>GD750</b>	750	124	75	270	290	310	350	61



## EVAPORATION DISH

Code Number	Capacity (cc)	Diameter (mm)	Depth (mm)	Estimated weight (g)
<b>GED55</b>	55	59	22	28
<b>GED80</b>	80	59	30	32
<b>GED100</b>	100	67	28	40
<b>GED125</b>	125	69	32	42
<b>GED150</b>	150	69	40	50



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Just contact us and we find the matching product together. We manufacture custom made products exactly to your specification. Or our application engineers will help you design and implement the needed solution.



## DISHES

## MILK ANALYSIS DISH

Code Number	Capacity (cc)	Top diameter (mm)	Bottom diameter (mm)	Depth (mm)	Estimated weight (g)
<b>GMD13</b>	13	42	32	12	12
<b>GMD30</b>	30	50	40	17	16
<b>GMD45</b>	45	55	40	25	22



## CAPSULES &amp; BREAKERS

## CAPSULE-KAWIN CRUCIBLE

Code Number	Capacity (cc)	Top diameter (mm)	Bottom diameter (mm)	Depth (mm)	Estimated weight (g)
<b>GCK8</b>	8	28	20	15	9
<b>GCK16</b>	16	33	20	30	23
<b>GCK19</b>	19	34	20	35	25



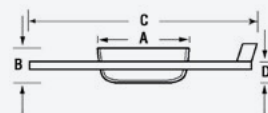
## BEAKER

Code Number	Capacity (cc)	Top diameter (mm)	Bottom diameter (mm)	Estimated weight (g)
<b>GB110</b>	110	45	70	170
<b>GB220A</b>	220	68	60	200
<b>GB220B</b>	220	59	80	230



## Loss on Ignition (LOI)

Code Number	Dimensions (mm)				Estimated weight (g)
	A	B	C	D	
<b>AC8</b>	32	10	50	4.5	70 (Includes Lid)



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## FUSION LABWARE

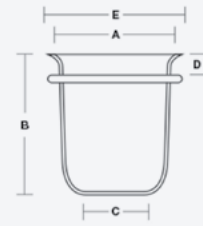
XRF Scientific manufactures a range of products for most automatic fusion equipment available. Non-standard or special items can be manufactured on request. Ongoing developments in analytical processes results in constant changes to laboratory equipment. If a product is not shown contact us for more detailed information or quotation.



### FUSION LABWARE SUITABLE FOR PHOENIX

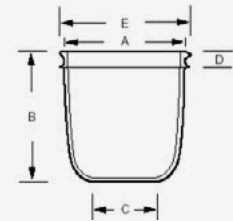
#### Ring Crucible

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>AC1</b>	34	36	20	8	37.5	40
<b>AC2</b>	34	43	20	12	37.5	40
<b>AC3</b>	34	36.5	20	9	40	40



#### Rolled Lip Crucible

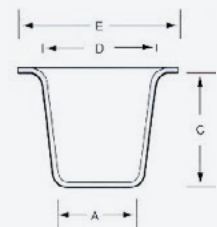
Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>AC4</b>	33	38	21	7	39	40
<b>AC5</b>	33	30	20	7	38	30
<b>AC6</b>	40	35	22	4	50	36
<b>AC7</b>	33	41	21	9	39	40



**Autolock Crucible Holders Available in Platinum/Gold**

#### Solution (ICP-AES)

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>AC10</b>	17	-	18	27	34	15
<b>AC11</b>	35	-	45	50	55	50
<b>AC12</b>	13	-	30	31	42	20



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## FUSION LABWARE

## FUSION LABWARE SUITABLE FOR PHOENIX

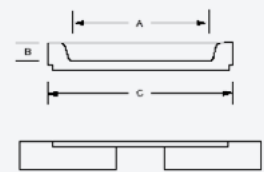
## Mould

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
AM1	29/31	3	42	60-100
AM2	30/32	3	42	60-100
AM3	30/32	4	42	60-100
AM4	30/32	3	46	60-100
AM5	32/34	3	46	60-100
AM5-5	32/34	5	46	60-100
AM6	33/35	3	46	60-100
AM6.4	33/35	4	46	60-100
AM7	39/41	4	52	60-100
AM7.5	39/41	5	52	60-100
AM7.6	39/41	6	52	60-100
AM8	39/41	3	56	60-100
AM12	34/36	4	55	60-100
AM13	38/40	4	52	60-100
<b>Mould Holders Available in Platinum/Gold</b>				



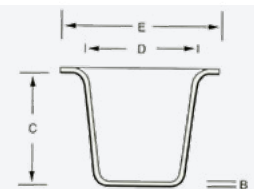
## Mould Furnace Type and Plate

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
AM9	39/41	35	44	93
AMH10	41.5	-	54	27



## Mouldable

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
AM11	29/31	3	25	44	56	80-150
AM10	39/41	3	25	44	56	80-150



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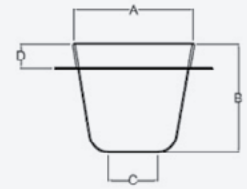
## FUSION LABWARE



## FUSION LABWARE SUITABLE FOR XRFUSE

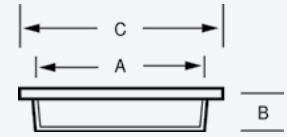
## Crucible

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>DC1</b>	36	38	19	6	44	30
<b>DC2</b>	36	38	19	6	44	40



## Mould

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>DM1</b>	39/41	4	50	60-100
<b>DM2</b>	37/39	4	50	60-100
<b>DM5</b>	32/34	4	42	60-100
<b>DM6</b>	30/32	4	42	60-100

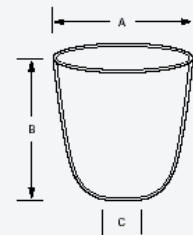


## FUSION LABWARE SUITABLE FOR MODUTEMP



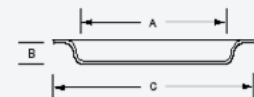
## Crucible

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>TC1</b>	36	35	18	30
<b>TC2</b>	36	40	18	30



## Mould

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>TM1</b>	39/41	3	50	60-100
<b>TM2</b>	30/32	3	42	60-100



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**Fusion Alloy & Auralloy:** alloy with added dopants for enhanced grain structure

- Extended service life - cost reduction
- Higher deformation resistance - increased functionality
- Preservation of the moulds flatness - more accurate and reproducible analysis results

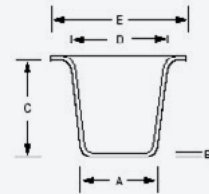


## FUSION LABWARE

## FUSION LABWARE SUITABLE FOR MODUTEMP

## Mouldable

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>TG1</b>	39/41	3	30	45	56	130

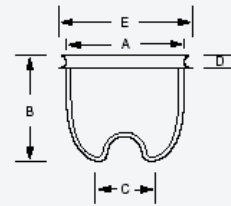


## FUSION LABWARE SUITABLE FOR CLAISSE®



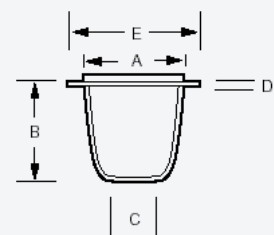
## Dimple Crucible

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>CC1</b>	37	32	20	5	43	26
<b>CC2</b>	37	32	20	5	43	30
<b>CC8</b>	35	35	21	3	43	60
<b>CC21</b>	36.5	32	20	5.5	43	26
<b>CC22</b>	36.5	32	20	5.5	43	31



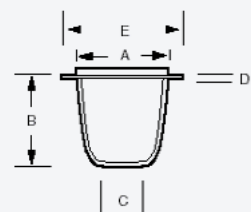
## Flat Base Crucible

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>CC3</b>	35	35	17	3.5	40	21
<b>CC4</b>	35	35	21	3.5	44	26
<b>CC24</b>	36.5	32	20	5.5	43	26
<b>CC25</b>	36.5	32	20	5.5	43	30



## Flat Base Side Dimple Crucible

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>CC5</b>	37	32	26	5	43	30
<b>CC26</b>	36.5	32	20	5.5	43	26
<b>CC27</b>	36.5	32	20	5.5	43	30



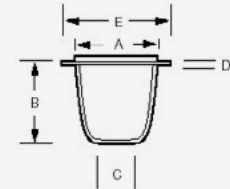


## FUSION LABWARE

## FUSION LABWARE SUITABLE FOR CLAISSE®

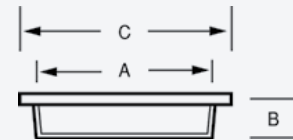
## Flat Base NO Side Dimple Crucible

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>CC5-N</b>	37	32	26	5	43	30
<b>CC23</b>	31.6	35	15	3.9	43	24



## Mould

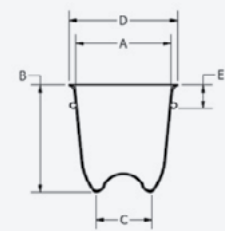
Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>CM1</b>	30/31	6	39	18 or 30
<b>CM9</b>	30/32	6	39	21 or 27
<b>CM2</b>	31/33	6	41	19 or 32
<b>CM21</b>	31.5/32.6	6	41	31
<b>CM3</b>	32/34	6	41	21 or 36
<b>CM13</b>	32/36	6	45	40 or 50
<b>CM4</b>	32/38	6	45	22 or 36
<b>CM22</b>	34.5/35.6	3.5	44	44
<b>CM5</b>	35/37	6	44	25 or 48
<b>CM8</b>	37/40	6	49	28 or 48
<b>CM6</b>	38/41	6	49	29 or 48
<b>CM10</b>	38/40	6	48	34 or 43
<b>CM23</b>	39.5/40.6	3.5	49	49
<b>CM7</b>	40/42	6	49	34 or 48



## FUSION LABWARE SUITABLE FOR EAGON 2

## Dimple Crucible

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>EC2</b>	32.5	37	20	37.5	6	40
<b>EC4</b>	33.8	36.5	18.7	37.5	8	40
<b>EC6</b>	33.2	36.5	16	38.5	6	40



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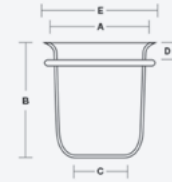


## FUSION LABWARE

## FUSION LABWARE SUITABLE FOR EAGON 2

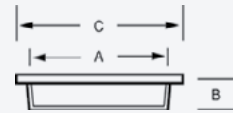
## Flat Base Crucible

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>EC3</b>	32.5	37	20	6	37.5	40
<b>EC5</b>	33.8	36.5	18.7	8	37.5	40



## Mould

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>EM3</b>	31/32.5	3.5	50	40 or 80
<b>EM11</b>	39/40.5	3.5	56	60 or 100

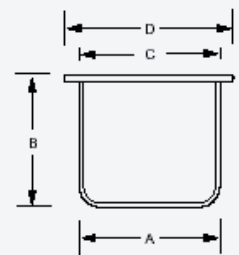


## FUSION LABWARE SUITABLE FOR PERL'X®



## Crucible

Code Number	Dimensions (mm)				Estimated weight (g)
	A	B	C	D	
<b>PC1</b>	41	40	41	49	116
<b>PC2</b>	41	40	41	49	80
<b>PC3</b>	44	40	44	52	90
<b>PC4</b>	38	40	42	50	75
<b>PC5</b>	28	40	38	50	70
<b>PC6</b>	28	40	40	50	75
<b>PC7</b>	34	22	46	54	80
<b>PC9</b>	42	41	40	50	90
<b>PC10</b>	32.7	40	40.40	50	78



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## Couldn't find the perfect match?

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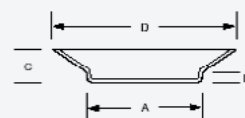


## FUSION LABWARE

## FUSION LABWARE SUITABLE FOR PERL'X®

## Mould

Code Number	Dimensions (mm)				Estimated weight (g)
	A	B	C	D	
<b>PM2</b>	30/32	3	5	55	40
<b>PM3</b>	30/32	3.5	11.5	65	50
<b>PM8</b>	32/33.5	3.5	11.5	65	50
<b>PM10</b>	33.5/35.5	3.5	11.5	65	50
<b>PM6</b>	35.5/36.5	3	5	55	50
<b>PM5</b>	35.5/36.5	3.5	11.5	65	50
<b>PM7</b>	39.5/40.5	3	11.5	65	58
<b>PM4</b>	39.5/40.5	3.5	11.5	65	58
<b>PM9</b>	39.5/40.5	4	11.5	65	58
<b>PM11</b>	30/32	3.6	10.2	65	70

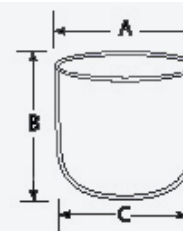


## FUSION LABWARE SUITABLE FOR KATANAX®



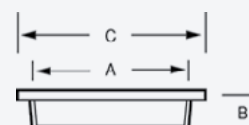
## Crucible

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>KC1</b>	40	32	58	26
<b>KC2</b>	40	32	58	30
<b>KC4 Flared</b>	44	32	58	43



## Mould

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>KM1</b>	30/31	6	39	18 or 30
<b>KM2</b>	31/33	6	41	19 or 32
<b>KM3</b>	32/34	6	41	21 or 36
<b>KM4</b>	32/38	6	45	22 or 36
<b>KM5</b>	35/37	6	44	25 or 48
<b>KM8</b>	37/40	6	49	28 or 48
<b>KM6</b>	38/41	6	49	29 or 48
<b>KM7</b>	40/42	6	49	34 or 48
<b>KM9</b>	30/32	6	39	18 or 30





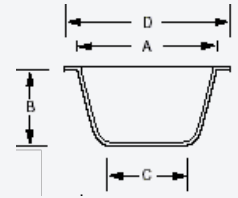
## FUSION LABWARE

## FUSION LABWARE SUITABLE FOR HERZOG

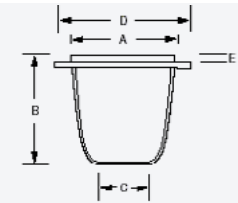


## Crucible

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>HC1</b>	49	30	37	-	-	90
<b>HC2</b>	49	30	37	56	-	110

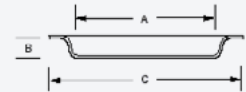


Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>HC3</b>	36	36.5	22	44	5	40
<b>HC4</b>	36	38.5	22	44	5	40



## Mould

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>HM1</b>	29/31	3	44	40
<b>HM5</b>	32/34	3.5	44	60
<b>HM2</b>	38/41	3	52	50
<b>HM3</b>	39/41	4	50	30-100
<b>HM4</b>	39/41	4	50	SQ 120

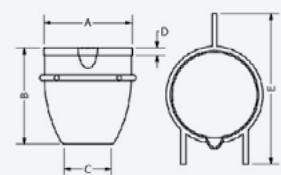


## FUSION LABWARE SUITABLE FOR VULCAN / AUTOFLUXER / VITRIOX MACHINES



## Three Pin Crucible

Code Number	Dimensions (mm)						Estimated weight (g)
	A	B	C	D	E	F	
<b>SC1</b>	35	38	20	5	60	8	31
<b>SC2</b>	44	38	26	5	60	8	50
<b>SC3</b>	39	43	22	5	60	8	38



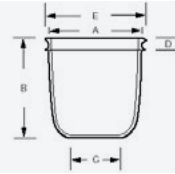


## FUSION LABWARE

FUSION LABWARE SUITABLE FOR VULCAN /  
AUTOFLUXER / VITRIOX MACHINES

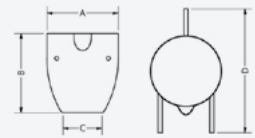
## Rolled Lip Crucible

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>SC4</b>	33	38	22	7	39	40



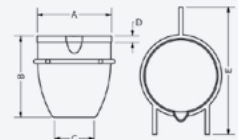
## Three Pin Crucible

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>SC5</b>	34	38	20	60	13	25
<b>SC10</b>	34	38	20	60	13	38



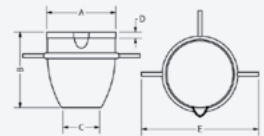
## Three Pin Crucible with Ring and Reinforced Rim

Code Number	Dimensions (mm)						Estimated weight (g)
	A	B	C	D	E	F	
<b>SC6</b>	34	38	20	3	60	13	44
<b>SC7</b>	36	38	22	3	60	13	51
<b>SC9</b>	36	38	22	3	60	13	33



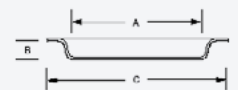
## Offset Three Pin Crucible with Ring and Reinforced Rim

Code Number	Dimensions (mm)						Estimated weight (g)
	A	B	C	D	E	F	
<b>SC8</b>	34	38	20	3	60	13	44



## Mould (Square Flange)

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>SM1</b>	29/31	3	41	27
<b>SM2</b>	30/32	3	41	29
<b>SM3</b>	32/34	3	41	31
<b>SM4</b>	34/36	3	51	45
<b>SM5</b>	39/41	3	51	45





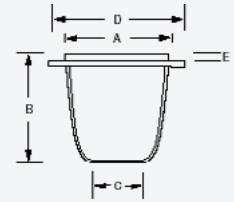
## FUSION LABWARE

## FUSION LABWARE SUITABLE FOR EQUILAB



## Crucible

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>EQC1</b>	36	28	34.52	6	46.5	50



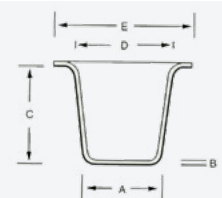
## Mould

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>EQM1</b>	29/31	5	49	40
<b>EQM3</b>	31/33	5	49	40
<b>EQM5</b>	34/36	5	49	50
<b>EQM7</b>	39/41	5	49	50



## Mouldable

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>EQM11</b>	31/34	3	30	37.8	46	80

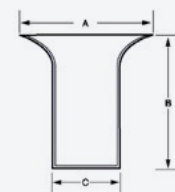


## FUSION LABWARE SUITABLE FOR LINN



## Crucible

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>MC1</b>	41	49.5	20	38
<b>MC2</b>	35	48	20	35



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All are offered in: Pure platinum - Pt/Au alloy 95/5 - Pt/Rh alloy 97/3 - Pt/Rh alloy 90/10 - Fusion Alloy





## FUSION LABWARE

## FUSION LABWARE SUITABLE FOR LINN

## Mould

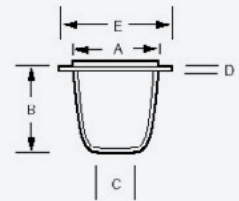
Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>MM1</b>	31/33	3	41	30
<b>MM2</b>	39/41	3	51	45



## FUSION LABWARE SUITABLE FOR NIEKA

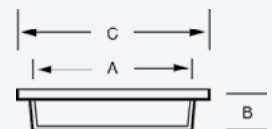
## Crucible

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>NC1</b>	36	32	20	5	43.0	25



## Mould

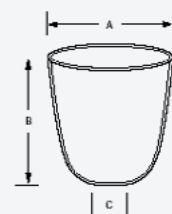
Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>NM1</b>	30/31	6	40	28
<b>NM3</b>	32/34	6	42	29
<b>NM5</b>	35/37	6	45	30
<b>NM7</b>	40/42	6	50	34



## FUSION LABWARE INITIATIVE SCIENTIFIC

## Crucible

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>BC4</b>	33	34	18	35
<b>BC2</b>	34.5	36	26	30
<b>BC3</b>	40	39	26	35



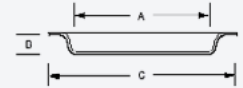


## FUSION LABWARE

## FUSION LABWARE INITIATIVE SCIENTIFIC

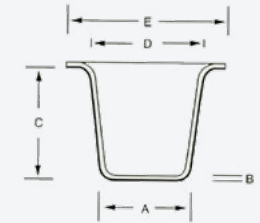
## Mould

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>BM1</b>	32/34	3	49	60-100
<b>BM2</b>	38/40	3	54	60-100
<b>BM3</b>	39/41	3	54	60-100



## Mouldable

Code Number	Dimensions (mm)					Estimated weight (g)
	A	B	C	D	E	
<b>BM8</b>	32/34	3	30	40	49	100
<b>BM7</b>	32/34	6	30	40	49	100
<b>BM5</b>	39/41	3	30	45	55	150
<b>BM6</b>	40/42	3	30	45	55	150

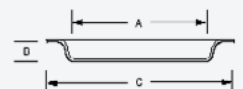


## FUSION LABWARE MULTI PURPOSE



## Multi-Purpose Spun Type Mould

Code Number	Dimensions (mm)			Estimated weight (g)
	A	B	C	
<b>XM1</b>	29/31	5	42	20-40
<b>XM36</b>	29/31	4	49	20-40
<b>XM2</b>	30/31	6	37	20-40
<b>XM35</b>	35/40	8	44	40
<b>XM34</b>	30/35	5	50	40
<b>XM28</b>	36/38	3	55	30-50
<b>XM3</b>	38/40	3.5	52	30-50
<b>XM4</b>	38/40	8	48	30-50





## FUSION LABWARE

## FUSION LABWARE MUTLI PURPOSE

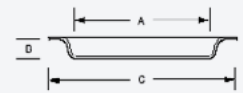
## Multi-Purpose Spun Type Mould

Code Number	Dimentions (mm)			Estimated weight (g)
	A	B	C	
<b>XM5</b>	39/41	5	52	30-50
<b>XMD1</b>	29/31	6	42	40
<b>XMD3</b>	30/32	6	42	40
<b>XMD4</b>	31/33	6	52	50
<b>XMD5</b>	32/34	6	46	40
<b>XMD7</b>	35/37	6	48	50
<b>XMD9</b>	38/40	5	52	60
<b>XMD10</b>	39/41	5	52	60
<b>XMD11</b>	39/41	6	52	60
<b>XMD12</b>	40/42	6	52	60



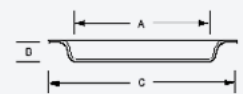
## Multi-Purpose Spun Type Mould (Square or Round Flange)

Code Number	Dimentions (mm)			Estimated weight (g)
	A	B	C	
<b>XM29</b>	29/31	4	41	30
<b>XM30</b>	30/32	4	41	30
<b>XM31</b>	32/34	4	41	30
<b>XM32</b>	34/36	4	51	50
<b>XM33</b>	39/41	4	51	50



## Multi-Purpose Pressed Type Mould

Code Number	Dimentions (mm)			Estimated weight (g)
	A	B	C	
<b>XM6</b>	29/31	3	42	45-100
<b>XM7</b>	30/32	2.4	42	45-100
<b>XM8</b>	30/32	3	42	45-100
<b>XM9</b>	30/32	4	42	50-100
<b>XM10</b>	32/34	3	46	50-100
<b>XM11</b>	33/34	2.4	46	50-100



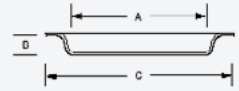


## FUSION LABWARE

## FUSION LABWARE MUTLI PURPOSE

## Multi-Purpose Pressed Type Mould - Continued

Code Number	Dimentions (mm)			Estimated weight (g)
	A	B	C	
<b>XM27</b>	36/38	3	55	60-100
<b>XM12</b>	38/40	3	52	60-100
<b>XM13</b>	38/40	4.5	52	60-100
<b>XM14</b>	39/41	3	52	60-100
<b>XM15</b>	39/41	4	52	80-100



## SPECIALITY PRODUCTS

## TONGS

## Platinum tip stainless steel tong

Code Number	Weight (g)
<b>TGS250</b>	250mm long with 5 or 10g per tong
<b>TGS300</b>	300mm long with 5 or 10g per tong



## Platinum tip stainless steel tong with radiation shield

Code Number	Weight (g)
<b>TGF420</b>	420mm long with 12g per tong
<b>TGF620</b>	620mm long with 12g per tong



## Titanium tong

Code Number	Weight (g)
<b>TGF250</b>	250mm long
<b>TGF350</b>	350mm long



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## Couldn't find the perfect match?

Just contact us and we find the matching product together. We manufacture custom made products exactly to your specification. Or our application engineers will help you design and implement the needed solution.



## SPECIALITY PRODUCTS

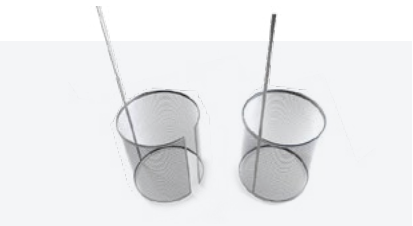
### CUSTOM FABRICATIONS

XRF Scientific can supply a wide range of speciality products to supplement their standard range of labware. Contact us to discuss your particular requirements.

> Tweezers > Spatulas > Stirring Rods > Inoculating Loops > Electrodes > Cathodes > Foils > Tubes > Wire > Rods

#### Custom fabrications

Code Number	Dimensions (mm)	Weight (g)
<b>Custom Fabrications</b>	Please provide shape, dimensions, alloy and the general purpose. (with drawing, if possible)	Based on your specs



## REFINING SERVICE



We offer refining services that can help you reclaim value from used products at the end of their life cycle. Our terms for refining used laboratory ware are among the most competitive in the industry. Additionally, we can set up a weight metal account for the remanufacturing of all precious metals products or offer payouts at competitive rates.

### Refining

Our refining team is dedicated to help customers get the most out of their precious metals. Damaged laboratory ware, like crucibles, moulds, thermocouple wires, foil, etc.; can be sent to us for refining. Choose from a range of convenient payment options: Credit of funds to your account, credit of metal to your weight metal account (for use against future orders).



## PLATINIUM CARE PRODUCTS

### RESHAPERS FOR MOULDS & CRUCIBLES

Keeps your crucibles and moulds in good condition. Mould flatness is important for repeatable analytical results.

Code Number	Description
<b>XGS-M + mould code</b>	Reshaper – Steel – to suit mould
<b>XGS-C + crucible code</b>	Reshaper – Steel – to suit crucible
<b>XG + crucible code</b>	Reshaper –Plastic – to suit crucible





## PLATINIUM CARE PRODUCTS

### MOULD & CRUCIBLE CLEANING HOLDERS (IN PTFE)

Mould cleaning holder helps to protect casting surface during cleaning.  
Acid resistant – T° range: - 250°C to 290°C

Code Number	Description
<b>3039860</b>	5 crucibles Dimensions: Ø Base 110mm (140mm with crucibles) x (H) 280mm
<b>3039850</b>	12 moulds Dimensions: Ø Base 110mm x (H) 280mm



### ECONOMICAL POLISHING SYSTEM

Crucibles and moulds should be polished when they lose their sheen, are scratched or have performed approximately 1000 fusions.

The platinum polishing system includes:

- Polishing Rotary Tool (Variable Speed, 125W; 240V AC/50Hz)
- Polishing Paste (3 & 8 Diamond Paste)
- Polishing Oil
- Felt Pads



Code Number	Description
<b>SO MINI-POL</b>	Polishing complete system: Rotary Tool + polishing kit
<b>3059130</b>	Polishing kit: Polishing Paste + Polishing Oil + Felt Pads

### PROFESSIONAL POLISHING SYSTEM

Crucibles and moulds should be polished when they lose their sheen, are scratched or have performed approximately 1000 fusions.

The platinum polishing system includes:

- Polishing Lathe (Variable Speed, 650mm length; 23.5kg) 240V AC/50Hz or 120V AC/60Hz
- Crucible and Mould Polishing Jigs (Phoenix, Claisse, Katanax, Perl'X,..)
- Polishing Paste (3 & 8 Diamond Paste)
- Polishing Oil & Pump Pack
- 1000 Grit Paper
- Soft & Hard Felt Pads



Code Number	Description
<b>3013020</b>	Polishing complete system: Polishing lathe + crucible & mould jigs + polishing kit
<b>3059130</b>	Polishing kit: Polishing Paste + Polishing Oil + Felt Pads + Grit paper