



# We have a comprehensive solution for quality XRF sample preparation.



Rowe Scientific are the exclusive manufacturer and supplier of **SOMAR XRF pellet cups**, made right here in our Western Australian facility.

Aluminium XRF pellet cups are available in the following sizes.

ROWE CODE	DESCRIPTION	UNIT
XP1150	XRF pellet cups, aluminium, 31mm tapered (3230) (box of 1000)	1000
XP1001	XRF pellet cups, 30mm diameter with straight sides, aluminium with outside painted white (box of 2000)	2000
XP1200	XRF Pellet cups, 40mm diameter with tapered sides, aluminium with outside painted white (box of 1000)	1000
XP1205	XRF pellet cups, 32mm diameter with tapered sides, aluminium with outside painted white (box of 1000)	1000
CX0065	XRF pellet cups, 33mm diameter with straight sides, aluminium with outside painted white (box of 1000)	1000
XP1050	XRF pellet cups, 33mm diameter with straight sides, aluminium with outside painted white (box of 1500)	1500
CX0066	XRF pellet cups, 35mm diameter with tapered sides, aluminium with outside painted white (box of 1000)	1000
XP1100	XRF pellet cups, 38mm diameter with straight sides, aluminium with outside painted white (box of 1000)	1000
XP1160	XRF pellet cups, 40mm diameter with straight sides, aluminium with outside painted white (box of 1000)	1000

## Also available:

CB1100	Boric acid GLR	3kg
CW1015	Licowax C Micropowder PM	20kg

## GRIND AND PELLETISING ADDITIVES



- Reduce particles to uniform size and distribution
- Promotes sample homogeneity
- Transform powders into plasticised pellets
- Resolves sample pellet chipping or flaking

## CERTIFIED REFERENCE MATERIALS

- Reference materials from many major global sources





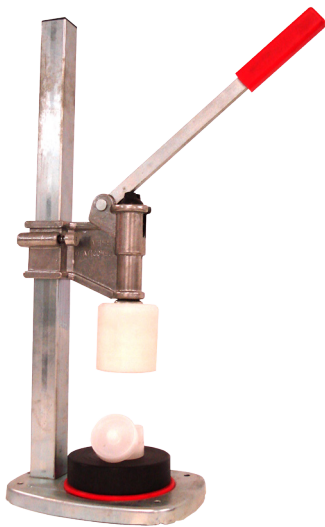
## XRF Liquid Cups

These cups allow the analysis of solutions by XRF, and fit all common makes of XRF instruments, including X-Unique II, PW2400, PW2404, Axios, and many PANalytical instruments.

- Free trial samples available
- Cost competitive.
- Avoids cross contamination between samples - cups are disposable.
- Made from polypropylene - chemically inert.
- Packaged under clean room conditions - free from silica and other airborne particulates.



## XRF Liquid Cup Press



This press is specially made by Rowe Scientific to uniformly apply pressure to sample cups, reducing misalignment while maintaining film integrity.

The long lever reduces stress on the hands while still applying uniform pressure upon the sample.

For use with thin films.

ROWE CODE	DESCRIPTION	UNIT
XP1005	Press, XRF liquid cup, manual handle, suits all sized cups, tube steel	each
XC1005	Cup, XRF, liquid (clear) (Rowe) lid O.D. = 45.7mm, body I.D. = 35.5mm	1,000
XC1006	Cup, XRF, liquid (grey) (Rowe) lid O.D. = 45.7mm, body I.D. = 35.5mm	1,000
XC1007	Cup, XRF, liquid (orange) (Rowe) lid O.D.=45.7mm, body I.D.=35.5mm	1,000

To find out more or to acquire your FREE samples, call your local Rowe Scientific Pty Ltd office

### Ultrasonic Baths and citric acid.

Available with various features in various sizes. We can provide the best solution for your application. Call us now.

# XRF - XRD Sample Preparation

## Thin-Film Sample Support Windows

Once only available in continuous sheets, Mylar® thin films now come in continuous rolls, pre-perforated rolls and pre-cut circles in a variety of materials.

### MYLAR

Available in **2.5, 3.6, 6, and 12.7** micron thickness.

ROWE CODE	DESCRIPTION	UNIT
<b>XX1015</b>	XRF Mylar 2.5µm thin film, continuous roll 76.2mm x 91.4m	ROLL
<b>XM0001</b>	XRF Mylar 3.6µm thin film, pre-cut circles 63.5mm	1000
<b>XM1456</b>	XRF Mylar 6µm thin film, continuous roll 76.2mm x 91.4m	ROLL
<b>XX1009</b>	XRF Mylar 6.0µm thin film, pre-cut circles 76.2mm	100
<b>XM1445</b>	XRF Mylar 12.7µm thin film, pre-cut circles 76mm	1000

### PTFE MICROPOROUS FILM

Available in a 5m x 63.5mm roll.

### KAPTAN POLYIMIDE

Available in 7.6 and 12.7 micron in a wide variety of sizes and formats.

### POLYCARBONATE TWO

(2 micron) is available in roll, sheet and circles with Polycarbonate Five (5 micron) available in 76mm square sheets.

### POLYPROPYLENE

Available in **4, 5, 6.3, 8, 12.7, 25.4, 76.2 and 127** micron thickness. In a wide variety of sizes and formats

ROWE CODE	DESCRIPTION	UNIT
<b>XX0006</b>	XRF polypropylene 6.0µm thin film, continuous roll 76.2mm x 91.4m	ROLL
<b>XP1500</b>	XRF polypropylene film 5µm, continuous roll 76.2mm x 91.4m (3720-r3)	ROLL

### PROLENE

Available at **3 and 4** microns, rolls or pre-cut Spectro Membrane carrier frames.

ROWE CODE	DESCRIPTION	UNIT
<b>XP1520</b>	XRF prolene 4.0 µm thin film, continuous roll 76.2mm x 91.4m	ROLL
<b>XX1010</b>	XRF prolene 4.0 µm thin film, pre-cut circles 76.2mm	100

# Portable Sample Grinder/pelletizer kit.

## SpectroPulverizer®

### In-Field Sample Grinding and Pelletizing Kit



The SpectroPulverizer® Portable Sample Grinder/Pelletizer Kit is used to prepare samples in-the-field and used in conjunction with any hand-held portable XRF analyzer.

Portability offers the flexibility of use as a mobile laboratory for “in-field” preparations and analysis of samples taken from one or multiple location sites without loss of time for results.

The SpectroPulverizer® combination grinder and pelletizer is uniquely designed with integrated double-sided sample chambers. One chamber is designed for grinding samples into very fine powders while the opposite chamber for pelletizes the ground samples into firm durable pellets supported by re-usable stainless steel rings. Sample preparation, efficient and fast. The lightweight hand-held unit operates on a long lasting rechargeable 12V Li-ION battery.

The SpectroPulverizer® Kit contains all essential items in individual sculptured dense foam compartments contained in a rugged carrying case that contains:

- Portable Grinder/Pelletizer
- Sample chamber, base and plunger
- 12V Li-ION Battery and recharger
- Stainless steel re-usable pellet rings (3)
- SpectroVial® brand vials: (8) 20cm<sup>3</sup> vials
- SpectroBlend® grinding additive (25) ½ gram tablets
- Carrying case

® SpectroPulverizer, SpectroVial, SpectroBlend and Chemplex are registered trademarks of Chemplex Industries, Inc.



ROWE CODE	DESCRIPTION	SIZES
XS0007	Spectropulverizer® in-field sample grinding and pelletizing kit, grinding volume 1.81in <sup>3</sup> (29.6cm <sup>3</sup> ), pellet dia 1.26" (32mm)	32 mm
XS0008	Spectropulverizer® in-field sample grinding and pelletizing kit, grinding volume 2.16in <sup>3</sup> (35.4cm <sup>3</sup> ), pellet dia 1.38" (35mm)	35 mm
XS0009	Spectropulverizer® in-field sample grinding and pelletizing kit, grinding volume 2.82in <sup>3</sup> (46.2cm <sup>3</sup> ), pellet dia 1.57" (40mm)	40 mm

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