

## PowderThief

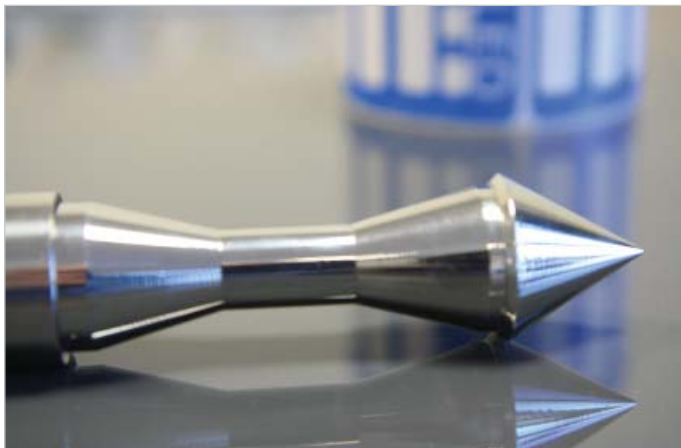
Best Selling Powder Thief

The PowderThief was originated by Sampling Systems over 25 years ago and is now a world leader in powder sampling. It is extensively used throughout the pharmaceutical, chemical and food industries around the world.

The PowderThief is suitable for sampling free flowing powders and granules. A range of tips is available so that a single sampler body can be used to accurately sample a range of different volumes.

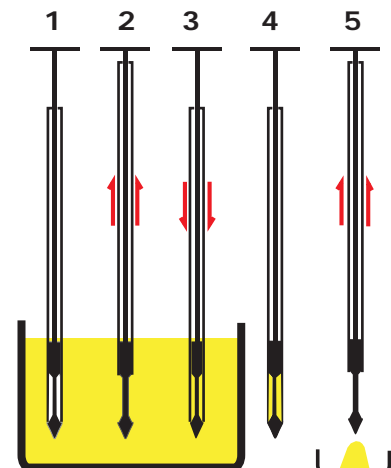
- For sampling free flowing powders
- Made from high quality 316L stainless steel
- Wide range of sizes

Tips - various sizes can be attached to the same body to allow different volumes to be sampled



### Operation

1. Insert the sampler into the product, ensure that the tip is inside the outer tube.
2. At the required depth pull up the outer tube to expose the tip. Powder will flow in around the tip.
3. Push down the outer tube to trap the sample.
4. Withdraw sampler.
5. Pull up the outer tube to release the sample.





PowderThief samplers are available in a range of different sizes



## Sampler Bodies

Part No.	Sampler Length	Body Diameter
1030A-300	300mm	12.5mm
1030A-600	600mm	12.5mm
1030A-1000	1000mm	12.5mm
1030A-1500	1500mm	12.5mm
1030A-2000	2000mm	12.5mm
1030B-600	600mm	19mm
1030B-1000	1000mm	19mm
1030B-1500	1500mm	19mm
1030B-2000	2000mm	19mm
1030C-600	600mm	25mm
1030C-1000	1000mm	25mm
1030C-1500	1500mm	25mm
1030D-600	600mm	32mm
1030D-1000	1000mm	32mm
1030D-1500	1500mm	32mm
1030D-2000	2000mm	32mm

Options      Cleaning brushes      See page 184  
 Storage cases      See pages 186-187  
 XRF Certification      See page 196

## Sampling Tips

A range of standard tip sizes is available for each body diameter. Special sizes available on request.

Part No.	Tip Sizes	Tip to suit Body Diameter
1030AT-025	0.25ml	12.5mm
1030AT-050	0.50ml	12.5mm
1030AT-075	0.75ml	12.5mm
1030AT-100	1.00ml	12.5mm
1030AT-150	1.50ml	12.5mm
1030BT-2	2ml	19mm
1030BT-3	3ml	19mm
1030BT-5	5ml	19mm
1030BT-8	8ml	19mm
1030BT-10	10ml	19mm
1030CT-10	10ml	25mm
1030CT-20	20ml	25mm
1030CT-25	25ml	25mm
1030DT-20	20ml	32mm
1030DT-25	25ml	32mm
1030DT-50	50ml	32mm
1030DT-100	100ml	32mm

Powders Single Level Sampling

## ... also available is a single use, disposable PowderThief

The Disposable PowderThief works in the same way as the stainless steel Powder Thief (above). Disposable samplers have the advantage that they can be used straight from the bag and never need to be cleaned, thereby saving you time and money as well as eliminating the risk of cross contamination.

See pages 42-43 for more information



## Mono Pocket Sampler

Single Point Zone Sampler



The Mono Pocket Sampler is ideal for taking bulk samples from a single point. The Mono Pocket Sampler is suitable for sampling free flowing powders and granules.

The robust body is made from 316L stainless steel and is available in 3 convenient lengths.

- For sampling free flowing powders
- Chemically resistant 316L stainless steel construction
- Easy clean design
- Fast delivery anywhere in the world (available from stock)

### Operation

The Mono Pocket Sampler is quick and easy to use:

1. Close the sampler by turning the handle.
2. Push into the powder/granules
3. Rotate the handle to open the sampler
4. Close the sampler by rotating the sampler
5. Remove the sampler
6. Transfer sample to bottle or bag



Part No.	Nominal Length	Nominal Sample volume	Sampler Diameter	Material
1430S-600	600mm	20ml	25mm	316L stainless steel
1430S-1000	1000mm	20ml	25mm	316L stainless steel
1430S-1500	1500mm	20ml	25mm	316L stainless steel

Additional Tips	See page 56 (for rounded or very pointed tips)
Cleaning Brushes	See page 184
Storage Cases	See pages 186-187
XRF Certification	See page 196

## Additional Tips

Interchangeable tips for stainless steel samplers

Many stainless steel samplers are available with interchangeable tips. Choose the best tip for your product and equipment.

Samplers are supplied with a Standard Tip.

- Standard Tip** Ideal for use with most powders
- Pointed Tip** Use with hard, dense powders
- Rounded Tip** Use when you need to minimise the risk of damaging your equipment



Part No.	Description	To Suit Sampler Diameter	Material
TIP-25S	Standard Tip - 25mm	25mm	316L ss
TIP-25R	Rounded Tip - 25mm	25mm	316L ss
TIP-25P	Long Pointed Tip - 25mm	25mm	316L ss
TIP-40S	Standard Tip - 40mm	40mm	316L ss
TIP-40R	Rounded Tip - 40mm	40mm	316L ss
TIP-40P	Long Pointed Tip - 40mm	40mm	316L ss

## Sleeve Sampler

Large Volume Sampling From Depth

The Sleeve Sampler is ideal for sampling large volumes at great depths. The Sleeve Sampler is suitable for sampling free flowing powders and granules.

Various sized chambers can be attached to the same handle to allow different sample volumes to be taken.

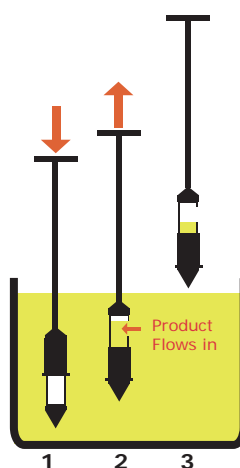
- Single Point Sampler
- Suitable for sampling free flowing powders
- 316L stainless steel, bright finish
- Adjustable Length - use extension rods to make the sampler the length you require

The heavy duty handle and extension rods have been designed to be extremely strong and robust to allow samples to be taken from depths up to 6m (after about 6m the sampler becomes too heavy).



### Operation:

1. Screw the Sample Chamber onto the handle and insert the sampler into the product.
2. At the required depth pull up the sampler slightly. This will force the sleeve down so that product can fall into the Sample Chamber.
3. Remove sampler.
4. To empty sampler either pour sample out of filling port or unscrew the tip.



Powders Single Level Sampling



Use extension rods (1035E-1000 or 1035E-1500) to increase the reach of the sampler



Handles & Extension Rods		
Part No.	Description	Length
1035A-1000	Heavy Duty Handle - 316L ss	1000mm
1035A-1500	Heavy Duty Handle - 316L ss	1500mm
1035E-1000	Heavy Duty Extension Rod - 316L ss	1000mm
1035E-1500	Heavy Duty Extension Rod - 316L ss	1500mm

Sample Chambers		
Part No.	Material	Chamber Volume
1035T-100	316L ss	100ml
1035T-150	316L ss	150ml
1035T-200	316L ss	200ml

Storage Cases	See pages 186-187
XRF Certification	See page 196

## Point Sampler

Large Volume Sampling from a set point

The Point Sampler from Sampling Systems is ideal for taking samples at a specified depth. It can be used for sampling both free flowing and sticky, cohesive powders.

- Large 100ml sample size
- 316L stainless steel
- Suitable for use with free flowing and cohesive powders

### Operation

1. Ensure the sampling window is closed and then push sampler into the product to the required sampling depth
2. Rotate sampler through 360° - this will open the sampling window and push the surrounding product into the sample collecting chamber
3. Rotate the sampler backwards through 360° to close the sampling window
4. Withdraw the sampler



Part No.	Handle Length	Nominal Sample Volume	Material
1640A-1000	1000mm	100ml	316L stainless steel
1640A-2000	2000mm	100ml	316L stainless steel

## Stainless Spoons 316L ss



- 316L stainless steel construction
- Crevice free
- Bowl & flat ends
- Satin finish

Part No.	Nominal Bowl Volume	Nominal Overall Length	Material
A506-300	10ml	300mm	316L stainless steel
A506-600	10ml	600mm	316L stainless steel
A506-1000	10ml	1000mm	316L stainless steel

## Silo Rocket Sampler

500ml Sampler from Depth



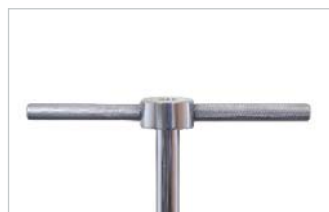
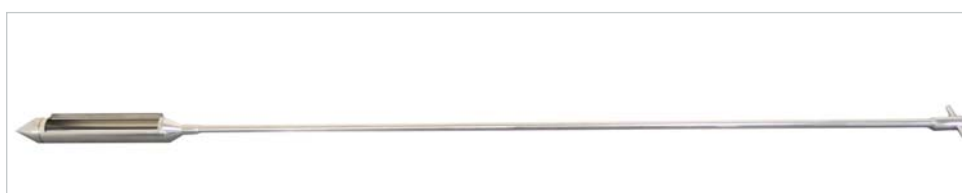
Bulk sampling is easy with the Silo Rocket. The Silo Sampler is ideal for sampling pharmaceuticals, cosmetics and food stuffs. The design allows rapid point sampling of powders and granules in silos, tankers, lorries and general bulk bins.

To take a sample simply insert the sampler into your material and then rotate the handle to take the sample. After sampling remove the sampler.

The Silo Rocket is manufactured from high grade 316L stainless steel. The tip unscrews so that the sampler is easy to clean

The Silo Rocket has an extra wide handle to give sufficient leverage when sampling dense powders.

- Suitable for use with free flowing and cohesive powders
- Made from 316L stainless steel
- Available in different lengths
- Easy to clean
- Available from stock for fast delivery worldwide



Part No.	Handle Length	Nominal Volume	Material
1985A-1000	1000mm	500ml	316L ss
1985A-1500	1500mm	500ml	316L ss
1985A-2000	2000mm	500ml	316L ss

Powders Single Level Sampling

## The world's largest range of stainless steel scoops

See pages 154-159 for more information



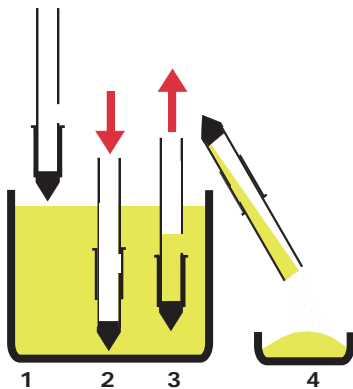
## Powder Max

Large volume sleeve sampler

Designed for use with free flowing powders, granules and grains. The Powder Max enables large samples to be quickly and easily taken.

The Powder Max is made from 316L stainless steel.

- Large 150ml sample size
- 316L stainless steel
- Suitable for use with free flowing powders and granules



### Operation

1. Insert sampler into the product.
2. This action forces the sleeve upwards covering the sample hole and stopping powder from entering.
3. On pulling the sampler upwards, the sleeve moves down and the product can now enter the sampler.
4. Invert sampler to discharge the sample.



Part No.	Overall Length	Stainless Steel	Diameter	Max Sample Volume
1213A-01	1000mm	316L ss	40mm	150ml
Accessories	Cleaning brushes	See page 184		
	Storage Cases	See pages 186-187		
	XRF Certification	See page 196		



## Do You Need Specification Sheets?

Specifications sheets for every product can now be downloaded from [www.sampling.com](http://www.sampling.com)

## Telescopic Powder Sampler

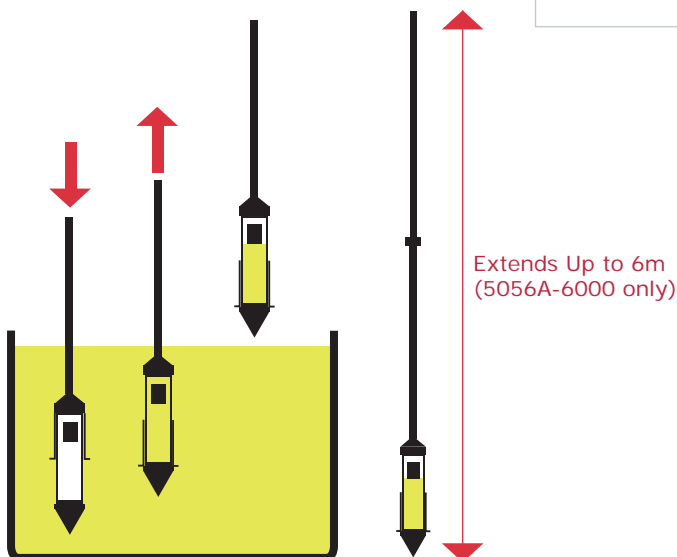
Take Powder Samples up to 6m Deep

The Telescopic Powder Sampler is designed for use with free flowing powders, granules and grains. The handle can be quickly and easily extended to the desired length. The Telescopic Powder Sampler enables samples to be quickly and easily taken from depths of up to 6m.

- Telescopic rod extends up to 6m
- Range of different sized sample collecting Chambers
- 316L stainless steel construction with PTFE clutch

### Operation

1. Insert sampler into the product.
2. This action forces the sleeve upwards covering the sample hole and stopping powder from entering.
3. On pulling the sampler upwards, the sleeve moves down and the product can now enter the sampler.
4. Withdraw the sampler
5. Pull sleeve back to discharge powder



Telescopic sampler ideal for sampling large depths



Telescopic Handles		
Part No.	Length	Material of Construction
5065S-1500	800 to 1500mm	316L stainless steel & PTFE
5065S-3000	1500 to 3000mm	316L stainless steel & PTFE
5065S-4500	1500 to 4500mm	316L stainless steel & PTFE
5065A-1200	600 to 1200mm	Aluminium & Plastic
5065A-2500	1250 to 2500mm	Aluminium & Plastic
5065A-2800	1020 to 3000mm	Aluminium & Plastic
5065A-3000	1000 to 3000mm	Aluminium & Plastic
5065A-4500	1500 to 4500mm	Aluminium & Plastic
5065A-6000	1500 to 6000mm	Aluminium & Plastic

Storage Cases See pages 186-187

XRF Certification See page 196

Sample Chambers		
Part No.	Chamber Volume	Material
1035P-001	1ml	316L stainless steel
1035P-002	2ml	316L stainless steel
1035P-100	100ml	316L stainless steel
1035P-150	150ml	316L stainless steel
1035P-200	200ml	316L stainless steel

Special volumes available on request.



## MicroThief

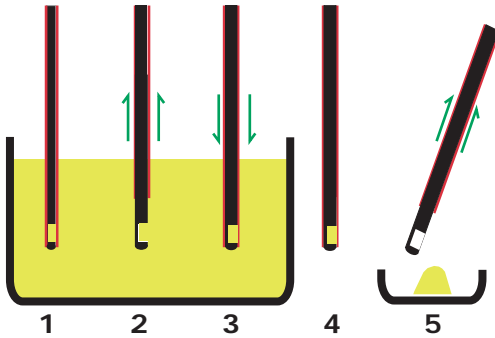
### Ultra Low Volume Powder Thief

The MicroThief is suitable for taking very small volume samples of free flowing powders and granules. The MicroThief is easily adjusted so that the operator can vary the size of the sample being taken.

- Made from high quality 316L stainless steel
- Adjustable - takes a range of sample sizes
- Simple to use

#### Operation

1. Insert the sampler into the product, ensure that the tip is inside the sampler body.
2. At the required depth pull up the body to expose the tip. Powder will flow in around the tip.
3. Push down body of the sampler to trap the sample.
4. Withdraw sampler.
5. Pull up body to release the sample.



Part No.	Nominal Sample Volume	Max. Sampling Depth	Material	Overall Diameter
1074A-350	Variable between 0.01 and 0.1ml	350mm	316L ss	5mm
1074A-500	Variable between 0.01 and 0.1ml	500mm	316L ss	5mm

Storage Cases See pages 186-187

XRF Certification See page 196

## MicroMate

### Ultra Low Volume Powder Sampler

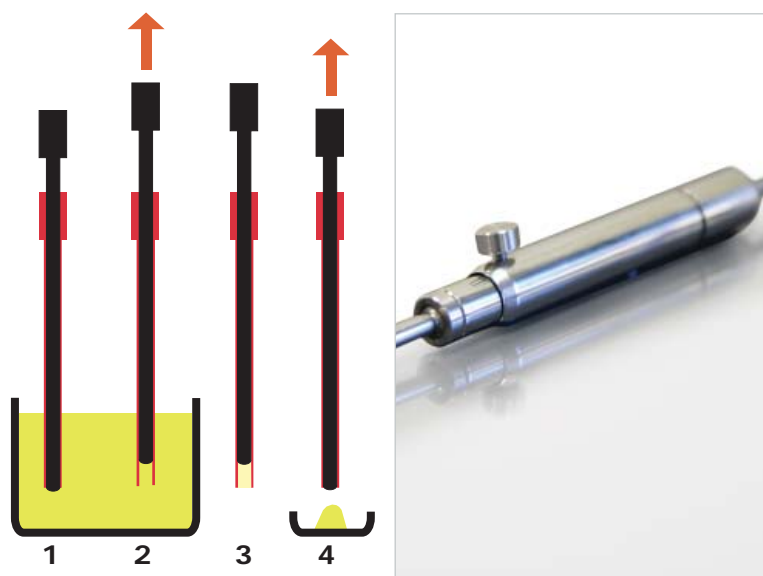
The MicroMate is designed for low volume sampling of free flowing powders and granules. It is ideal for very low volume unit dose sampling.

The MicroMate can be easily adjusted so that it can take a range of sample sizes.

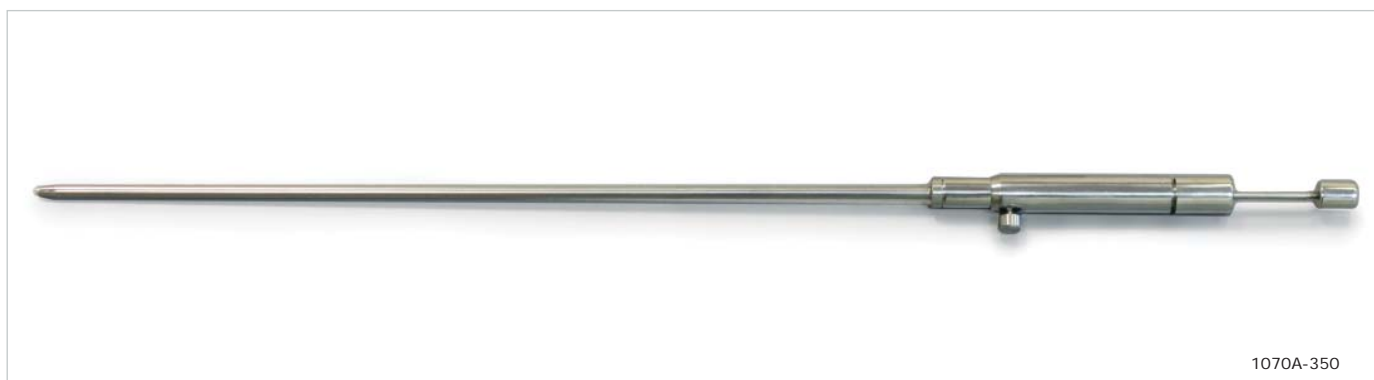
- Made from high quality 316L stainless steel
- Adjustable - takes a range of sizes
- Simple to use

#### Operation

1. Insert the sampler into the product. Ensure that the inner rod extends beyond the outer tube.
2. At the required depth pull up the inner rod to draw the product into the sampler.
3. Withdraw sampler.
4. Push down handle to release sample.



Powders Single Level Sampling



1070A-350



Part No.	Nominal Sample Volume	Max. Sampling Depth	Material	Overall Diameter
1070A-350	Variable - up to 0.1ml	350mm	316L ss	5mm
1070A-500	Variable - up to 0.1ml	500mm	316L ss	5mm

Storage Cases See pages 186-187

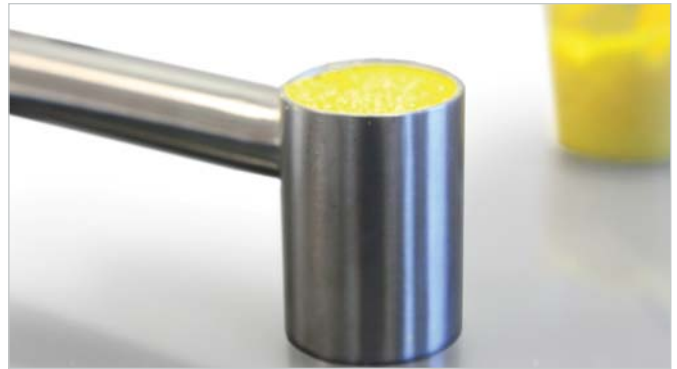
XRF Certification See page 196

## Measuring Scoop

Accurately Measures Powders

Sampling Systems' Measuring Scoops are ideal for measuring fixed volumes of powder. They are made from high quality 316L stainless steel.

Special volumes are available on request.



Part No.	Volume of Scoop	Scoop Diameter	Scoop Depth	Overall Length	Material of Construction
1900A-01	1ml	9mm	14mm	186mm	316L ss
1900A-05	5ml	22mm	13mm	193mm	316L ss
1900A-10	10ml	22mm	26mm	193mm	316L ss
1900A-25	25ml	35mm	26mm	199mm	316L ss
1900A-50	50ml	35mm	52mm	199mm	316L ss

Please note these are not certified measuring containers. Contact us for more information

Powders Single Level Sampling

## Cement Sampler

Quickly and easily take samples from tankers

The lightweight cement sampler is the ideal choice when you are looking to quickly take a sample throughout a tanker.

- Lightweight
- Easy to use
- Cross sectional sample
- Patented design
- 2m long



The Cement Sampler allows fast sampling from tankers etc. It was designed for the cement industry but can be used on a wide range of free flowing powders .

The sample is a cross section through the tanker(from top to bottom). The sample size is approximately 8 litres from a bulk depth of 1.5 metres.

Easy handling: The open tube will penetrate the product to the desired depth. When retracting the patented valve is closed and the sample inside the tube can be withdrawn.

The cement sampler is suitable for free flowing powders with a bulk weight of approximately 1 kg/litre.



Part No.	Material of Construction	Outside Diameter	Weight	Maximum Sampler Volume	Sampler Length
1120A-01	PP & stainless steel	90mm	1.5kg	8 litres	2000mm

Note: The cement sampler is not suitable for hygienic GMP sampling

## U-D Sleeve Sampler

The Accurate Unit Dose Powder Sampler

The U-D Sleeve Sampler is extensively used in the pharmaceutical industry for accurate, small volume sampling of free flowing powders and granules. It is ideal for Unit Dose Sampling.

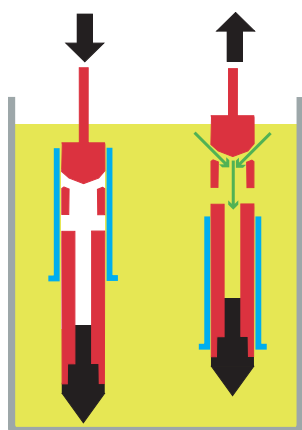
- Single Point Unit Dose Sampler
- Suitable for use with free flowing powders and granules
- 316L stainless steel
- Use extension rods to increase the length of the sampler

### Operation

1. Insert the sampler into the product.
2. At the required depth pull up the sampler slightly (this upwards action will force the sleeve down the sample chamber and expose the ports) the product can then fall into the sample chamber.
3. As the sampler is removed the excess powder will fall out of the overflow leaving an accurate volume of powder in the sample chamber.



U-D Sleeve Sampler Set (1500S-01) - The set includes a range of 10 interchangeable tips to allow different sample volumes to be taken. Extension rods allow samples to be taken from a depth of up to 3m.



Push Sampler into the product

Pull up the Sampler

Self-levelling for an accurate sample volume



Different Volume Sampling Tips can be fitted to the same chamber



Part No.	Description	
1500S-01	U-D Sleeve Sampler Set	
	Includes: 1 x T-bar handle - 600mm 4 x handle extension rods - 600mm 1 x Type 1 sample chamber (for Tips 0.1 to 1.2ml)	1 x Type 2 sample chamber (for Tips 1.3 to 2.5ml) 10 x Sampling tips* (0.1ml to 2.5ml - see below) 1 x High Quality Sampler Case - lockable
1500A-01	T Bar Handle 600mm	
1500A-02	Handle Extension 600mm	
1500A-03	Sample Chamber - Type 1 (for Tips 0.1 to 1.2ml)	
1500A-04	Sample Chamber - Type 2 (for Tips 1.3 to 2.5ml)	
1500C-01	High Quality Sampler Case - lockable - with cut outs for sampler components	
XRF Certification	XRF Certification (See page 196)	
<b>Sampling Tips</b>		<b>How to Order a Tip:</b>
Tips are available in all sizes from 0.1ml to 2.5ml in 0.1ml increments. (0.1ml, 0.2ml, 0.3ml, 0.4ml etc.)		Use part number Example: 1500W-XX where XX is the tip size 1500W-07 0.7ml tip 1500W-23 2.3ml tip

\* When ordering 1500S-01 please list the ten Sampling Tips that you require

## U-D Cohesive Sampler

Unit Dose Sampler for Cohesive Powders

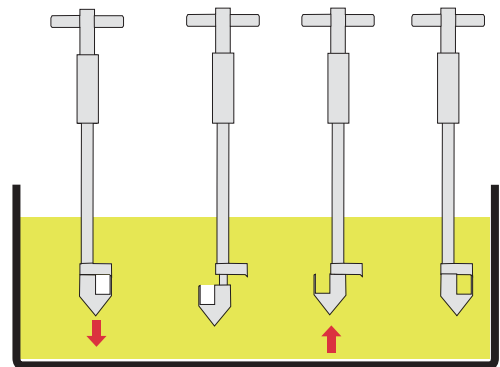
A popular sampler in the pharmaceutical industry for taking low volume (unit dose) cohesive powder samples. Allows accurate samples to be taken.

- Single Point Unit Dose
- 316L stainless steel
- Suitable for use with sticky, cohesive powders



### Operation

1. Insert the sampler into the product.
2. At the required depth push down the handle and rotate it through 180°.
3. Pull up sampler slightly (to fill the cell), then rotate handle 180° (to lock cell in closed position).
4. Remove sampler



Sample Collecting Cells are available in a range of standard sizes.



2000T-25



2000T-50



2000T-75



2000T-100



Part No.	Description
2000S-01	U-D Cohesive Sampler Set - consisting of: 1 off Handle, Sample Cells - 1 each of: 0.25ml, 0.5ml, 0.75ml and 1.0ml 1 off Standard Sampler Case
2000A-1000	Sampler body with 1000mm handle length - 316L ss
2000T-025	Sample Collecting Cell 0.25ml - 316L ss
2000T-050	Sample Collecting Cell 0.5ml - 316L ss
2000T-075	Sample Collecting Cell 0.75ml - 316L ss
2000T-100	Sample Collecting Cell 1.0ml - 316L ss
8020N-1100	Cleaning Brush - 1100mm length - narrow style
	Storage Cases - see pages 186-187
	XRF Certification - See page 196