

## Powder Lance

Cross Sectional Sampler for Cohesive Powders

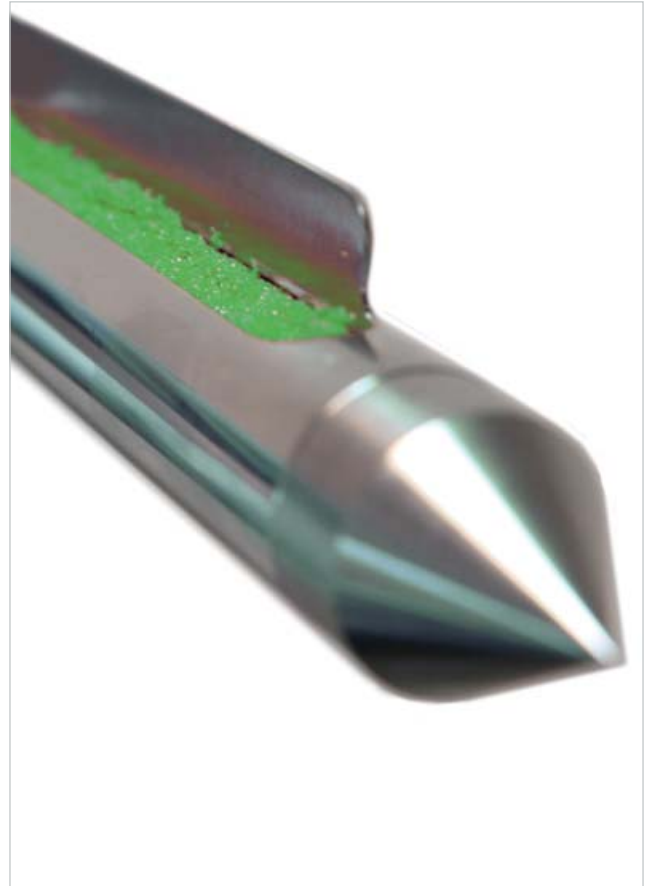
The Powder Lance can be used to take large volume samples of cohesive powders. The sampler can be used horizontally through a sack or it can be used vertically.

The sampler has a built in scraper to push the powder into the sampler.

- Cross sectional sampler
- Made from 316L stainless steel
- Suitable for sticky cohesive powders

**Operation:**

1. Insert the sampler into the product.
2. Rotate the sampler through 360°. The scraper forces the powder in to the sampler along the length of the slot.
3. Remove the sampler.
4. Unscrew the tip of the sampler.
5. Push the Sample Ejection Rod into the Powder Lance to push out the sample



Part No.	Overall Sampler Length	Length of Sampling Slot	Max Sample Volume	Material
2250A-600	630mm	540mm	190ml	316L ss
2250A-1000	1030mm	930mm	300ml	316L ss
2250A-2000	2030mm	1500mm	520ml	316L ss
8570A-700	Sample Ejection Rod - 700mm length			316L ss
8570A-1100	Sample Ejection Rod - 1100mm length			316L ss

Cleaning Brushes - See page 184  
 Sampler Cases - See pages 186-187  
 XRF Certification - See page 196

## Cohesive Sampler

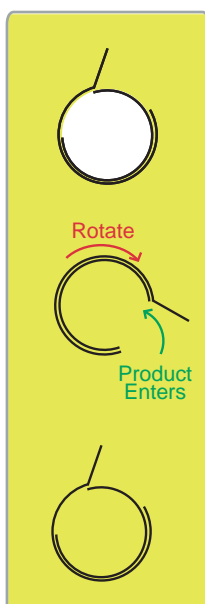
Single Point Sampler for Cohesive Powders

The Cohesive Sampler is able to take a sample from a known point within the product.

- Single Point Sampler
- 316L stainless steel
- Suitable for sticky, cohesive powders

### Operation

1. Insert sampler into product ensuring that the sample collecting chamber is in the closed position
2. At the correct sampling depth, turn the inner tube to expose the sample collecting chamber
3. Rotate the entire sampler through 360°. The scraper collects product and guides it into the sample collecting chamber.
4. Turn the inner tube to close the sample collecting chamber
5. Remove sampler
6. Pull out the inner tube and discharge the sample



Part No.	Sample Volume	Sampler Length	Sampler Diameter	Material
2015A-05	5ml	1000mm	25mm	316L ss
2015A-10	10ml	1000mm	25mm	316L ss
2015A-25	25ml	1000mm	25mm	316L ss

Additional Tips - see page 56 (for rounded or very pointed tips)

Cleaning Brushes - See page 184

Sampler Cases - See pages 186-187

XRF Certification - See page 196

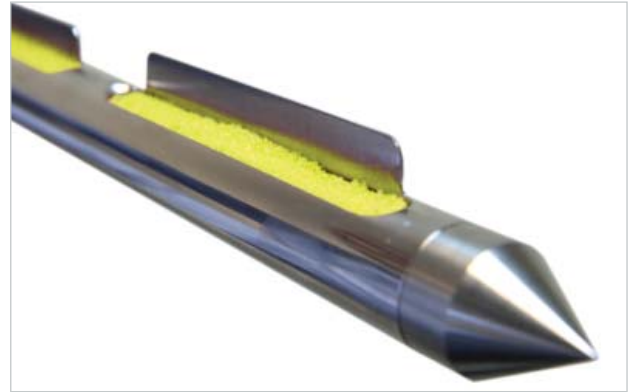
## Cohesive Pocket Sampler

Zone sampling of Cohesive powders

The Cohesive Pocket Sampler has been specially adapted from the Pocket Sampler (on pages 72-73) to enable the taking of samples from damp and cohesive powders.

Scrapers have been added to push the sticky powder into the sample pockets. Scrapers are fully welded to give a hygienic, GMP correct sampler.

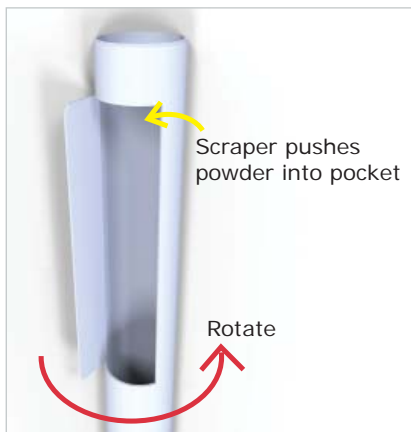
- Multilevel (discrete samples)
- 316L Stainless steel construction
- Suitable for sticky, cohesive powders



2220B-900

### Operation

1. Insert the sampler into the product
2. At the required depth rotate handle to expose the collecting pockets.
3. Rotate the sampler through 360° so the product is pushed into the collecting pockets
4. Rotate handle to close pockets and remove sampler.



Part No.	Sampler Length	Number of Pockets	Nominal Volume of each Pocket	Diameter*	Material
2220B-600	600mm	3	15ml	25mm	316L ss
2220B-900	900mm	3	20ml	25mm	316L ss
2220B-1500	1500mm	5	20ml	25mm	316L ss

Additional Tips - see page 56 (for rounded or very pointed tips)

Cleaning Brushes - See page 184

Sampler Cases - See pages 186-187

XRF Certification - See page 196

\* Diameter does not include scrapers. Scrapers are approximately 10mm high

## Cohesive Slot Sampler

Composite sampling of Cohesive powders

The Cohesive Slot Sampler has been specially adapted from the popular Slot Sampler (on pages 70-71). Scrapers have been added to push the non flowing powder into the sample slots.

Scrapers are fully welded to give a hygienic, GMP correct sampler.

- Multilevel (composite samples)
- 316L Stainless steel construction
- Suitable for sticky, cohesive powders



Part No.	Sampler Length	Number of Sampling Slots	Maximum Sample Volume	Diameter*	Material
2210A-600	600mm	3	110ml	25mm	316L ss
2210A-1000	1000mm	4	190ml	25mm	316L ss
2210A-1500	1500mm	5	300ml	25mm	316L ss

Additional Tips - see page 56 (for rounded or very pointed tips)

Cleaning Brushes - See page 184

Sampler Cases - See pages 186-187

XRF Certification - See page 196

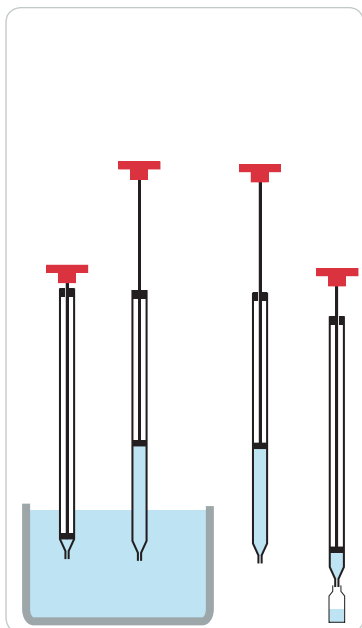
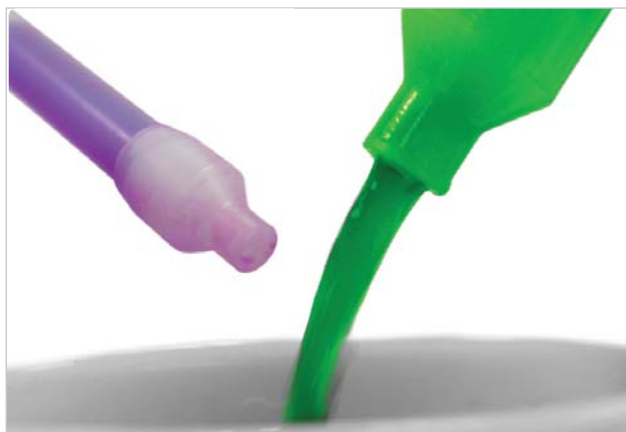
\* Diameter does not include scrapers. Scrapers are approximately 10mm high



## Viscous Sampler

Reusable Sampler for creams, pastes & gels,

Ideal for sampling creams, shampoos, soaps, honey and other semi viscous materials. After sampling the sampler can be completely dismantled into its component parts for quick and thorough cleaning.



### Operation:

1. Insert the sampler into the product.
2. At the required depth pull handle to draw product into the sampler.
3. Remove the sampler from the product. Run the cleaning ring down the sampler to remove any product that adheres to the side of the sampler
4. Push down the handle to push out the sample

Semi-Solid Samplers



Part No.	Overall Length	Material of Construction	Max. Sample Volume
7000S-600	600mm	316L stainless steel	160ml
7000S-1000	1000mm	316L stainless steel	300ml
7000S-1500	1500mm	316L stainless steel	450ml
7000P-600	600mm	PP	160ml
7000P-1000	1000mm	PP	300ml
7000P-2000	2000mm	PP	650ml
7000T-600	600mm	PTFE	160ml
7000T-1000	1000mm	PTFE	300ml
7000T-2000	2000mm	PTFE	650ml

### Accessories

Cleaning Brushes	See page 184
Storage Cases	See pages 186-187
XRF Certification	See page 196

See page 51 for a single use, disposable version of the Viscous Sampler

Note: For low viscosity liquids (e.g. water) use the Liquid Master - see pages 90-91