

# U-D Master

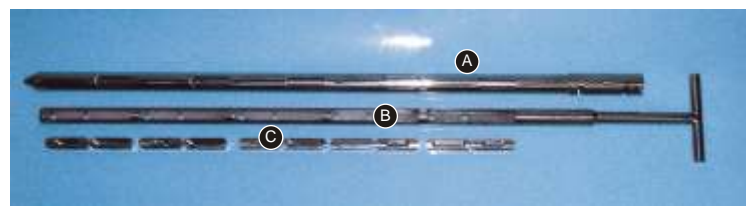
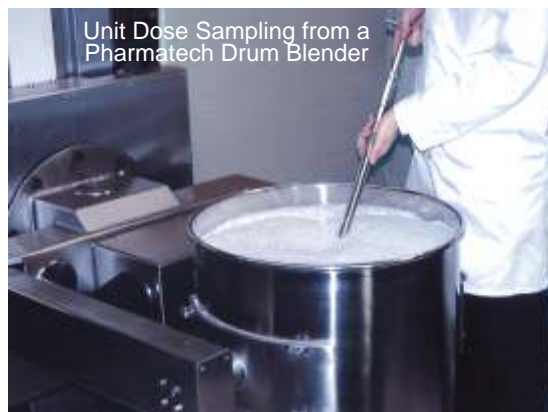
## Unit Dose Sampling to meet FDA Guidelines

Designed for multilevel low volume sampling in the Pharmaceutical industry. It is ideal for use with free flowing powders. By simply changing the sample inserts (cells) different volumes can be sampled.

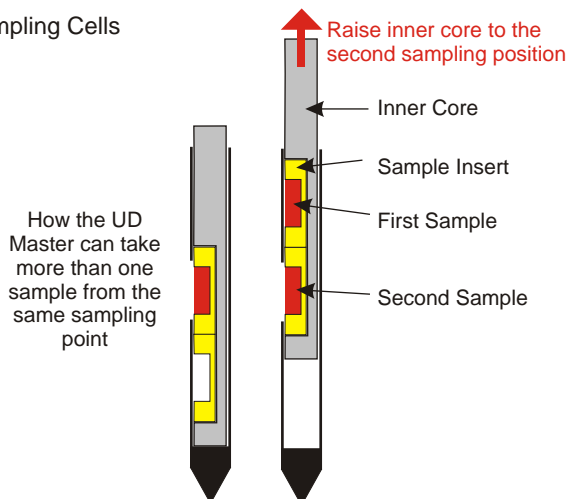
More than one sample can be taken from the same sampling point (see double or triple styles).

Material: 316 stainless steel, satin finish

- Operation:
1. Select the correct volume sampling cells and fit them to the inner core.
  2. Locate the assembled inner core into the outer sleeve at the lowest sampling level
  3. Insert the sampler into the product, turn the handle to expose the sampling cells to the product.
  4. Double and Triple Style samplers - pull the handle to the next level to expose the next set of sampling cells.
  5. Turn the handle so no sampling inserts are exposed then remove the sampler from the product.
  6. Remove the inner core from the outer sleeve, the individual sampling cells can then be easily removed for analysis.



- (A) Outer Sleeve
- (B) Inner Core
- (C) Sampling Cells



**SINGLE Style Sampler**  
Collects ONE set of samples at each sampling point.

**DOUBLE Style Sampler**  
Collects TWO sets of samples at each sampling point.

**TRIPLE Style Sampler**  
Collects THREE sets of samples at each sampling point.



Place the Sampling cells in the inner core



Sampling Cells are stamped with their volume for easy identification



Bayonet fitting allows two samples to be taken at the same sampling point



Slide the inner core into the outer sleeve

## U-D Master cont....



	Part No.	Sampler Length	Number of Sampling Points	Number of Sample Cells needed
SINGLE Style Sampler	1230A-300	300mm	5	5
	1230A-600	600mm	10	10
	1230A-900	900mm	6	6
	1230A-1200	1200mm	8	8
	1230A-1500	1500mm	10	10
	1230A-1800	1800mm	12	12
DOUBLE Style Sampler	1230B-600	600mm	5	10
	1230B-900	900mm	7	14
	1230B-1200	1200mm	8	16
	1230B-1500	1500mm	10	20
	1230B-1800	1800mm	12	24
TRIPLE Style Sampler	1230C-900	900mm	5	15
	1230C-1200	1200mm	7	21
	1230C-1500	1500mm	8	24
	1230C-1800	1800mm	10	30

### Sample Cells -

Sample Cells are available in 0.1ml increments from 0ml to 4ml.

For Example - The Part Numbers for 1.2ml and 0.5ml cells are : 1230T-12 and 1230T-05 respectively

Accessories		
Cleaning Brushes		see page 78
Storage Case		see page 79

## U-D Tablet Maker

### After Sampling make a Tablet to reduce Sampling Error

The U-D Tablet Maker is designed to compress the powder samples taken by the U-D Master. By compressing the sample it ensures that loose powder is not lost during handling, this helps to reduce sampling error.

Special split Sample Cells need to be used in place of the standard sample cells in the U-D Master.

### What Do I Need?

1. The U-D Tablet machine (see table below)
2. Special split samples cells (see table below)
3. The correct tablet punches for the split sample cells (see table below)
4. Sampler - see U-D Master above



Part No.	Description
1230TABLET	Tablet Compression Machine - manually operated - Size - 200mm x 400mm x 400mm high
Split Sample Inserts are available in 0.1ml increments from 0 to 3ml. Part no. is 1230T-XXS (where XX= cell volume) For example - The part number for 1.2ml and 0.5ml respectively are: 1230T-12S and 1230T-05S	
1230P-01	Punch for use with 0.1ml split Sample Inserts
1230P-02	Punch for use with 0.2ml split Sample Inserts
1230P-03	Punch for use with 0.3, 0.4, 0.5 and 0.6ml split Sample Inserts
1230P-07	Punch for use with 0.7, 0.8, 0.9, 1.0 and 1.1ml split Sample Inserts
1230P-12	Punch for use with 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9 and 2.0ml split Sample Inserts
1230P-21	Punch for use with 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 and 3ml split Sample Inserts