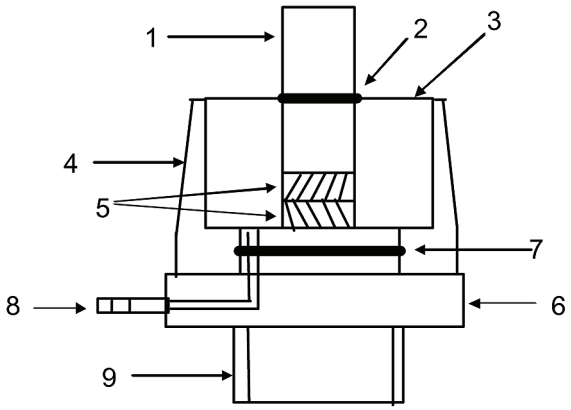
Operating Instructions for 5-45 mm Evacuable Dies

Parts supplied:

1 - Plunger
2 - Plunger Seal
3 - Cylinder
4 - Sleeve
5 - Pellet (2)
6 - Base
7 - Base Seal
8 - Evacuation Tube
9 - Extraction Ring



Step 1
Assemble die parts with one pellet's optical surface facing upwards inside the cylinder.

Step 2
Prepare the sample and load it into the cylinder bore using either a paper funnel or spatula. Use the plunger to tamp the sample evenly over the pellet.

Step 3
Insert the second pellet with its optical surface facing the sample. Insert the plunger with the O-ring mounted. Place the die assembly on the lower platen of the press. Connect the vacuum tube to the die and evacuate for two or three minutes. Continue to evacuate whilst under load. Apply load to plunger (please refer to recommended maximum loads shown below). Release pressure when complete.

Step 4
Release the vacuum and remove the vacuum tube and the die base.

Step 5
Place the die upside-down with the plunger resting on the lower platen and the extractor ring under the upper platen. Apply a light load to the extractor ring until the pellet and sample disc are free of the cylinder.

Step 6
If required, mount the sample in a disc holder.

Step 7
Clean all parts after use.

PLEASE NOTE:

Pmax 5 mm = 2 tons !	**Pmax 20 mm = 24 tons !**
Pmax 6 mm = 2 tons !	**Pmax 25 mm = 30 tons !**
Pmax 8 mm = 5 tons !	**Pmax 32 mm = 30 tons !**
Pmax 10 mm = 7 tons !	**Pmax 35 mm = 30 tons !**
Pmax 13 mm = 10 tons !	**Pmax 40 mm = 30 tons !**
Pmax 16 mm = 15 tons !	**Pmax 45 mm = 30 tons !**

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