

MTMS, LLC

Melt Temp Measurement Systems: Precision with every Degree

Procedure for Measuring Shot Under 1 Ounce with MTMS Kit:

1. Stabilize the Process:

- Cycle the press for **10 minutes** to ensure process stability.
- Pre-load the **purge puck** with the **purge cup and probe**.

2. Set the Shot Size:

- Adjust the shot size to **1.5 ounces** or the specific **maximum shot size**.
- Perform this adjustment **immediately after "inject forward"** to ensure the barrel picks up sufficient material.
 - This timing allows RPM and backpressure to contribute to material melting.

3. Insert the Puck Assembly:

- Wait for the mold to open, then switch the press to **manual mode**.
- Retract the barrel, insert the **puck assembly with the probe & purge cup**, and bring the barrel forward.

4. Purge the Material:

- Shoot the purge as you normally would.
- Record the **peak temperature** from the reading.

5. Reset the Shot Size:

- Before restarting the press, **reset the shot size** to its original settings to avoid interruptions or inaccuracies in subsequent runs.

Purchase online at <https://www.plastixs.com/product/mtms-kit-melt-temperature-measurement-system/>

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