

Screen – Accel Grid Spacing Tech Note

Re: In order to measure the spacing between screen and accelerator grids the following procedure can be used.

First, obtain a set of calipers and a small tube. We recommend a caliper with a depth gauge that has a diameter small enough to slide through screen grid holes (less than 0.081” diameter). The tube can be a small piece of 0.125” stainless steel tubing. See Photo 1.



Photo 1: Hardware necessary for grid spacing measurement.

Next, slide the tube over the depth gauge. See photo 2.



Photo 2: Slide the tube over the depth gauge.

PLASMA PROCESS GROUP, INC.

Next, extend the depth gauge through the tube and into the center hole on the screen grid (see Photo 3).



Photo 3: Depth gauge is inserted into the screen grid hole and resting on accel grid.

Finally, slide the caliper down to measure the depth (see Photo 4). Use light pressure to avoid distortion of the grid assembly. The tube should be resting on the screen grid. The depth gauge should be touching the accelerator grid. Subtract the tube length and the thickness of the screen grid to obtain the screen-to-accel grid spacing.



Photo 4: Depth gauge measurement of the tube resting on the screen grid.

Rev. 10/11