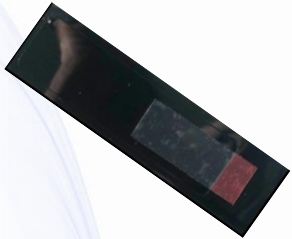


The PartSens® 4.0 is more agile than ever!

Accessories and Peripherals allow for ease-of-use, repeatable sampling methods and precise image analysis.

PARTICLE TRAP STRIPS:



- Can be placed throughout facility to collect particles like witness wafers or settling plates to determine particle size & count over a defined time period.
- Analysis by PartSens post-collection includes Illig Value calculation.
- Optional label backing available to document sample location details.
- Requires Trap Strip Measuring Fixture (below).

COLLECTION TRAYS FOR TRAP STRIPS:



- Facilitates Trap Strip placement and protects it during transport to the lab.
- Allows for labeling on backside of Trap Strip through window.
- Available in Large and Small formats (both use the same Trap Strip).
 - Large format is 1-piece (top cover slides out to expose Trap Strip).
 - Small format is 2-pieces (top cover slides off to expose Trap Strip).

TRAP STRIP MEASURING FIXTURES:



- Ensures consistent sampling of Particle Trap Strips (up to 5 images per strip).
 - Trap Strip Fixture Variations:
 - Standard – works with particles < 1,000 μm .
 - VLP Standard – extends limit to $\leq 3,000 \mu\text{m}$ for large particles.
 - Standard and VLP with Stitching – same as described above but provides 10-pixel overlap between each of the 5 images to create one larger image.

PARTICLE LIFT PADS & SAMPLING:



- Facilitates the lifting of particles from *any* rough or non-planar surface.
- Non-toxic, non-solvent, ultra low-residue adhesive ensures high particle removal efficiency from surfaces.
- Black surface ensures consistent surface properties for each measurement and provides true zero-count performance for pre-sample control test.
- Requires Lift Pad Measuring Fixture (shown).

REFERENCE PARTICLES:



- Reference particles for 3D - sizing in glancing light.
 - For routine instrument performance qualification checks.
 - 5) 400mg capsules in an acrylic box with foam inlay.
 - Metal powder Steel 1.4404 austenitic stainless steel.
 - 72µm -80µm (Ferret minimum), with certificate.

ACCESSORIES:



- Wireless Bluetooth Thermal Printer makes it easy to generate a hardcopy of the particle count and size data for any sample.
- Thermal paper rolls also available.



- Rugged, light-weight trolley with custom cut foam padding for secure transport and storage, including PartSens instrument, and all accessories.



- External battery charger, with battery calibration function, for charging batteries independent of the PartSens Base station.
- Spare batteries also available.

IMAGE ANALYSIS SOFTWARE OPTIONS:



- Evaluation Mask software extension for post-sample image analysis optimization.

Size [µm]	Total	Metal	Fiber
10-25	0	0	0
5-15	287	0	0
15-25	10	0	0
25-50	39	35	0
50-100	77	20	0
100-150	22	10	0
150-200	13	7	0
200-400	18	13	2
400-600	0	0	0
600-1000	2	1	0
1000-1500	0	0	0
1500-2000	0	0	0
2000-3000	0	0	0
>3000	0	0	0
Total	1219	86	2
Evaluation Area:			2.96 mm²
FAC:			0.63 %

- Software Extension for customer-specific particle size classifications.