

# The ultimate sensor system for thermal spray diagnostic applications



SprayWatch 2S scientific camera sensor offers the easiest set-up and best adaptability in to widest range of thermal spray diagnostics processes:

Particles:

- temperature
  - velocity
  - density
  - size
- with spatial distributions

Spray plume:

- position
- width
- direction
- cone angle

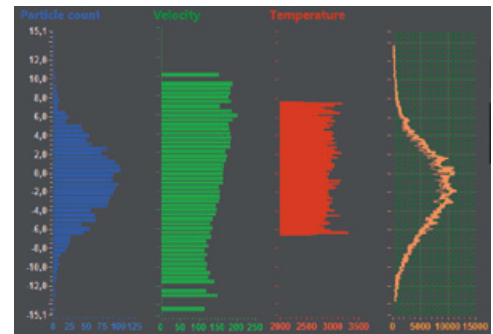
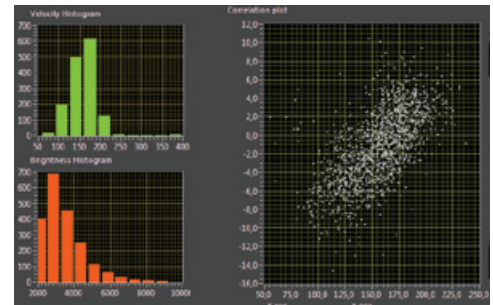
For Plasma, HVOF, HVOF, Wire-arc, Detonation and Flame spray processes

**SprayWatch 2s**

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# SprayWatch 2s

The novel SprayWatch 2S scientific thermal spray sensor uses a higher sensitivity CCD camera and a novel single substrate pyrometric filter design, improving the system performance especially in higher density and low temperature processes. (spray density and low temperature environments). On-line optical adjustment offers the easy way to adapt the diagnostic for a great variety of processes. Revised software enhances the repeatability and accuracy of the measurement, with easy access to all past measurements on the system. Standard camera USB-interface allows operation also with user supplied computer systems.



## Options:

- Substrate temperature measurement
- External triggering for synchronization to intermittent spray events



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