

Trust in your laser processes with real time temperature monitoring

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The use of temperature monitoring devices in low power laser welding systems is invaluable in applications involving laser plastic welding, laser soldering, glass frit welding and sintering metal nanoinks for flexible printed electronics. This integrated process monitoring technique makes it possible to monitor both the thermal signal as well as the temperature in real time. Consequently, this enables precise control of the laser power and traversing speed allowing high repeatability. Furthermore, there is a high accuracy of temperature monitoring due to the temperature signal being measured on-axis.