

Invisual E Inc. Technology UPDATE



Newsorthy for tube and Pipe Producers

Radian is our brand platform for Steel tube and pipe process and quality monitoring system. The platform covers a range of application areas for the production line.

Radian Laser Gauging for Steel Tube and Pipe.

Invisual E Inc continues our commitment to Steel Tube and Pipe process and quality control monitoring. Our latest projects incorporate ingenuity and innovation in helping operators and production with early detection and gaining an understanding of the process in a meaningful interactive way.



CONTINUOUS IMPROVEMENT

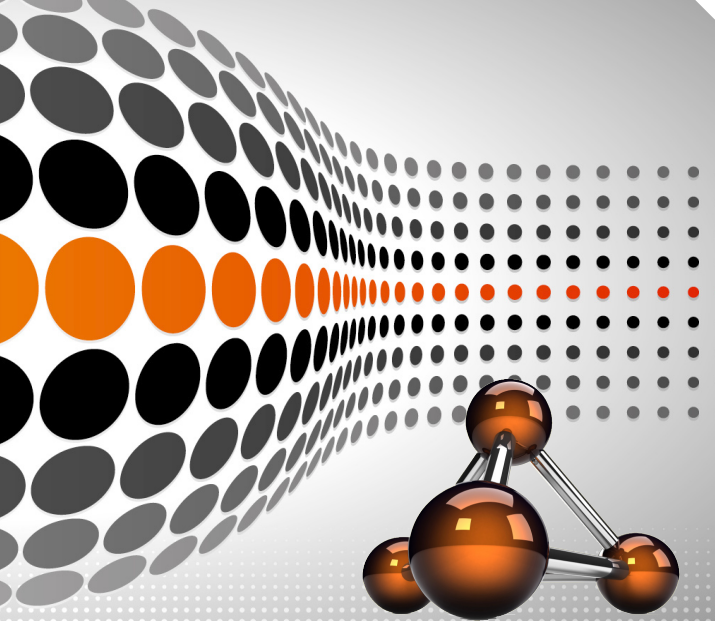
There are multiple ways of effectively conducting inspections at various points during production, but technology adopters gain the upper hand. Meaningful and useful information is a powerful source of competitive advantage.

We specialize in process monitoring and quality management implementations for industry.

**ADVANCING QUALITY, EFFICIENCY AND
CAPABILITIES FOR INDUSTRY**

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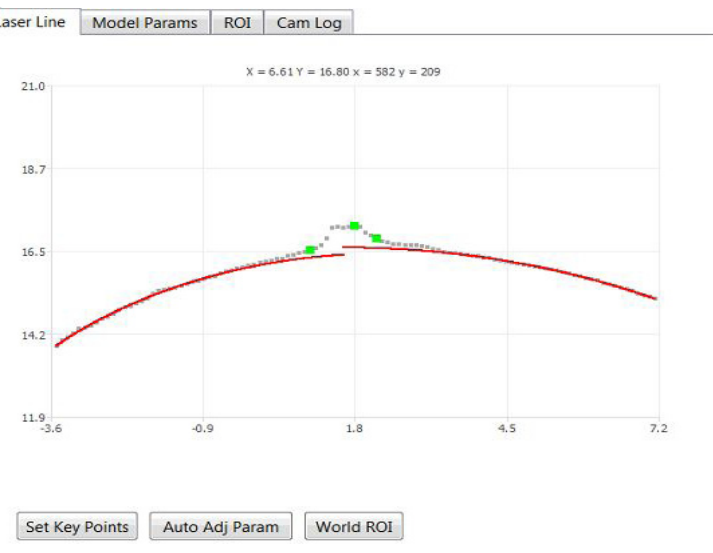




ACHIEVE BUSINESS OBJECTIVES - MAKE IT THE RIGHT ONES.

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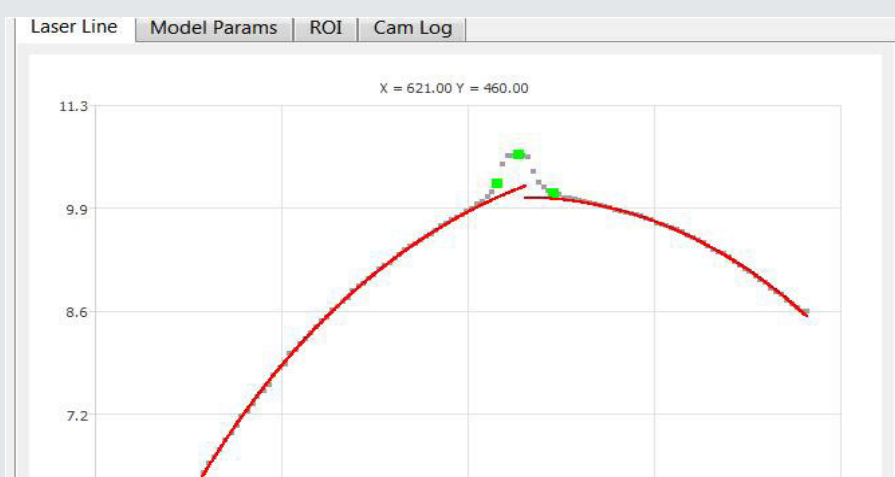
One of our hot applications is looking at conditions related to the weld. Techniques today allow the operator to not only see the weld upset, and mismatch, but as well the shape of the tube. In the image below, one can see that the two red lines make an ideal curve for an ideal circle fit. This is a good indicator that the forming tooling setup is correct and the material is not under tension in the mill.



Radian : Master Mill Monitoring System.

In the image below, the same client is processing the same material and OD through the mill on a different day. One can see that the modeling is different as the tube shape is more in an oval shape. This is an indicator of a few things such as material property change in coils, a different tooling setup and operator variability.

The task at hand with the client is to have repeatable models on different productions runs. So there is a requirement with the manufacturing and production team to dissect their setup procedures as part of a quality assurance program for their steel tube process.



HELPING BUSINESSES STAY AHEAD OF THE COMPETITION BY OFFERING SOLUTIONS TO INCREASE EFFICIENCY, QUALITY, & PROFIT.

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