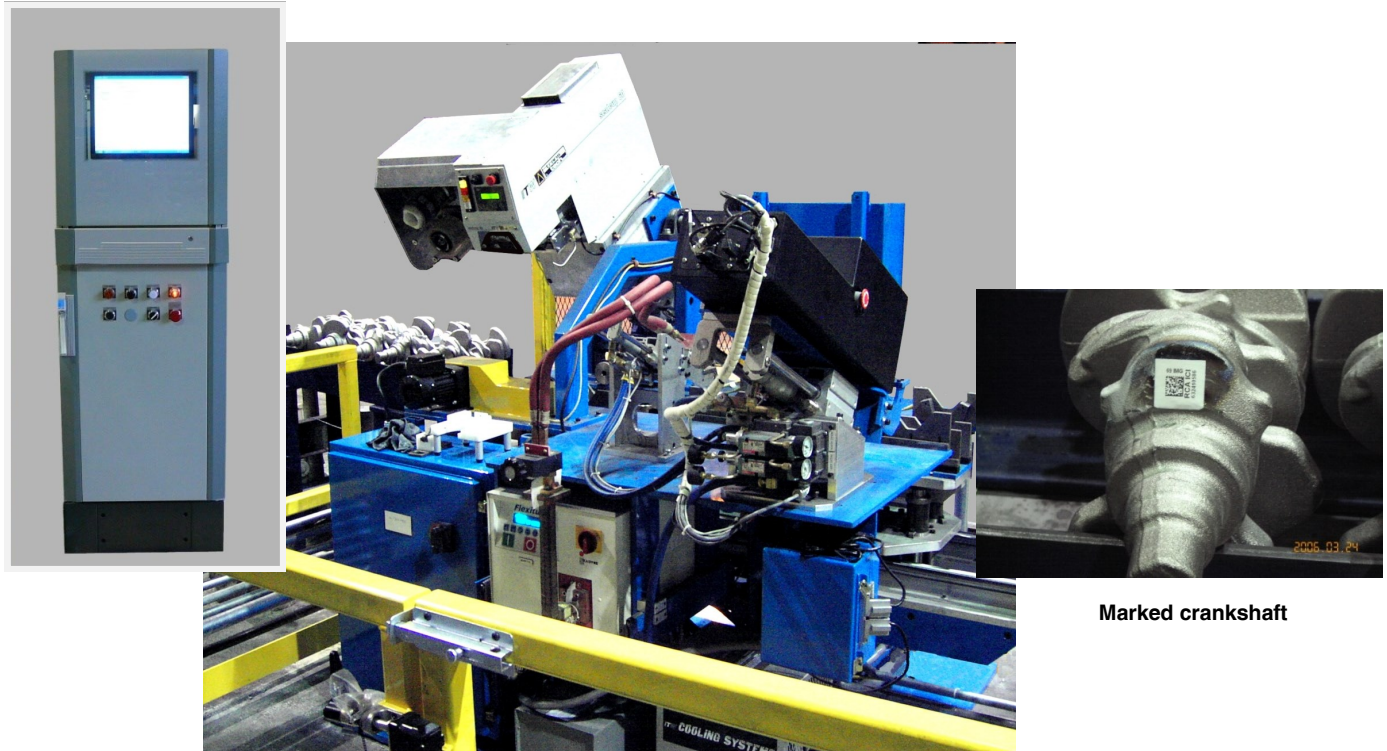




Crankshaft Marker – Walking Beam Style



Marked crankshaft

This marking system was developed for a customer who needed to apply identification marking on engine crankshafts. It uses InfoSight LabelLase® technology to apply a high contrast 2D bar code and man readable data on the rough surface of the crankshaft lobe. A walking beam mechanism is used to move the crankshafts from station to station as they are marked, scanned and verified. It can accommodate several different crankshaft configurations.

The crankshaft marking system includes the following sub-systems.

- PC running laser printer config. and control software.
- PLC for machine control and comm. interface.
- Electrically operated index table.
- Rotary mechanism for orienting the crankshafts upon entry.
- Self cleaning pad stamp mechanism for ink patch application.
- Induction heater for rapid ink curing.
- InfoSight laser marker for printing man-readable and 2D bar code on the applied ink patch.
- Bar code scanner for reading and verifying the 2D code.
- Emergency Stop circuit.
- Free-standing operator console that also houses the marker electronics.