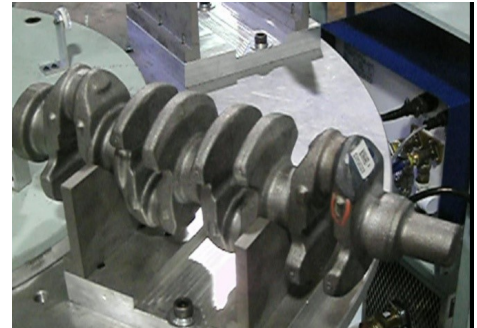


Crankshaft Marker – Rotary Table Style



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. An index table 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 marker highlights include:

- Marker provides traceability from forging (just after shot blast) through engine assembly.
- Mark survives annealing temperatures up to 1500°F (800° C) for up to 48 hours .
- Mark survives machining coolants.
- PC running laser printer configuration and control software.
- PLC for machine control and communications interface.
- Lift and Rotate mechanisms for orienting the crankshafts at the entry and exit positions.
- Electrically actuated Index table.
- Self cleaning pad stamp mechanism for ink patch application.
- Induction heater for rapid ink curing.
- InfoSight laser marker for printing on the cured ink patch.
- Bar code scanner for reading and verifying the 2D bar code.
- Machine control and safety interlock circuits.
- Free-standing operator console that also houses the marker electronics.