

Customer Profile

Machine Tool/Punch Press

The Challenge

For metal stamping/forming manufacturers, part quality specifications demand smart-process improvements. Monitoring conditions optimizes production reliability. Inductive measuring sensors are used to provide feedback from stamping processes and improve production yields.

The Solution

Inductive distance measuring sensor
IWFM 20U9509/KS35AP

Product Features

- Sensing distance: minimum 2mm
- Response time: < 0.5ms
- Repeatability: <10um
- Linearity: <50um
- EMC: High demand

Benefits to the Customer

- Flat (8mm) and compact housing
- Entire electronics integrated, no external amplifier necessary
- High linearity and repeatability in combination with very short response time
- Installation flexibility and ease

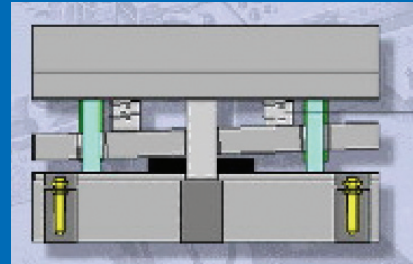
Market Opportunities

- Stamping presses
- Transfer presses
- Automotive metal forming
- Cosmetic container forming

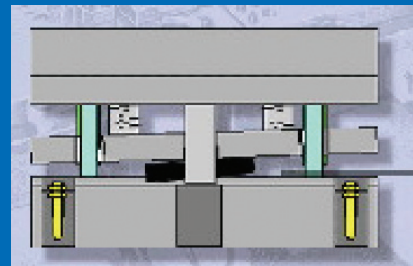
The sensor must be able to recognize the following situations:



< Double sheet feed



< Broken springs



< Metal cut scrap

For application information, contact:

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