Modern monitoring systems are capable of detecting very small stamping faults during production.

Application of in-die force and acoustic emission sensors (Hybrid)

- detect rising slugs
- monitor cutting and embossing stations
- monitor the correct insertion of press-fit nuts into progressive tools
- detect small chips
- detect broken stripper plates
- monitor extruding/drawing operations

Process Technologies Group, Inc.
30W106 Butterfield Rd.
Warrenville, IL  60555
Phone: 630-393-4777  Fax: 630-393-4680  E-mail: impaxptg@aol.com
In-die monitoring of stamping operations

Our dynamic enveloping technique continuously adjusts the monitoring limits (up to sixteen channels) according to the current variation of the process.

The in-die sensors are capable of detecting micro errors such as rising slugs, broken punches or cracked dies.

Typical stamping errors
detected with in-die force-/acoustic emission sensors (hybrid)

- Feed fault
- Chip marks
- Marks caused by rising slugs

**SKExpert** master technique offers powerful monitoring routines designed for different types of errors or types of forming operations at the push of a button.