

Hot Forging.

Red hot bar stock is automatically fed, cut and forged on modern hot forging machines. Special caution must be given during bar stock changes. Normally, the bar end pieces are being detected and dropped after cut-off.

Occasionally, bar end pieces are accidentally formed into forgings and will not meet quality requirements.

Process checking through the SK Hotmaster system.

The special SK process monitors designed for hot formers apply unique control procedures to ensure that bar end pieces are reliably detected so inventory is not contaminated. The SK System "double checks" the correct functioning of the machine's own bar-end detection system (e.g. ESA).

Additionally, each forging station is monitored using the latest enveloping techniques.

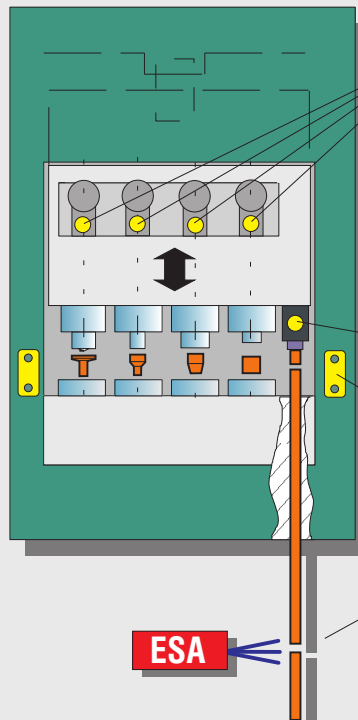
Your benefits:

- Verifies bar stock changes
- Detects double forgings
- Sorts out bad parts
- Speeds-up change overs
- Redundant ESA function
- Prevents smash-ups
- Reduces Down Time

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Process monitoring with **SKHotmaster**



Sensors in each forging station measure the forming loads. SKHotmaster monitors the force signals using modern and sensitive enveloping techniques.

The system ensures that bar end pieces and scrap are detected and sorted out of the process.

As an option, another sensor can be fit to the bar feed stop to detect short feeds.

Frame mounted sensors can also be integrated to give indication of overall machine loading

Verifies if the ESA systems responds within a programmed number of cutoffs (detection of bar end).



The SKHotmaster Module for monitoring hot forging machines is available in our process monitoring systems with built-in computers.

SK 500 & SK 800