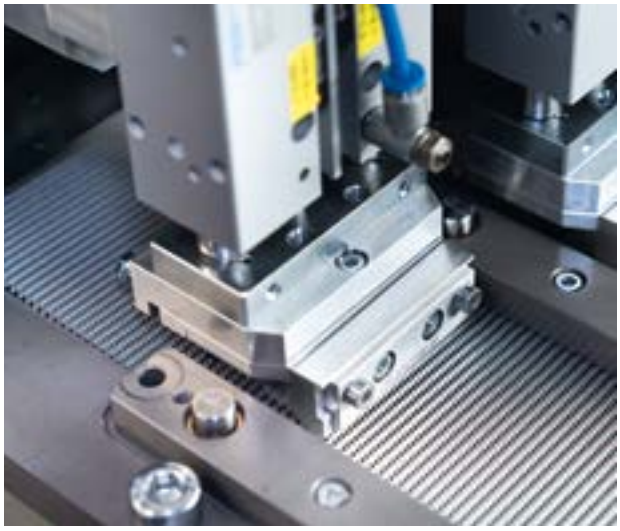
Process solution for automatic fin positioning at fin stamping lines

SCHAAL
by Weil Technology





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One of the main problems during automatic fin positioning is the manual effect of operators to set the right positioning value to the cutting tool. Schaal Technology now offers a new automated and alternatively semi-automated process solution with a compact system allowing for offset fins a positioning accuracy of ± 0.1 mm.

Continuously positioning during production process

This innovative system is based on years of experience with fin forming fin multi track fin lines and the subsequent trimming process. It achieves a positioning accuracy of ±0.01 mm for each individual fin track – with every track being adjusted independently. In addition, no change of parts is required when switching products; the system only needs to be recalibrated.

Advantages

The characteristics of the compact positioning system results in compelling business benefits:

- Semi automated system, repeatable operator settings
- Expandable to a fully automatic redundant system
- Low scrap rate for fins
- Risk reduction for damaged fins in cooler systems
- Higher quality output, higher first past yield
- Positioning accuracy
- Easy to handle in production
- Manage different fin pitches

- ✔ High quality output
- ✔ High process capability
- ✔ Higher OEE
- ✔ Accuracy ± 0.01 mm
- ✔ Feeder length up to 3800 mm
- ✔ Feeder speed 3 m/sec
- ✔ Reduced setup time (vs. manual possibilities < 5 min)
- ✔ Repeatability

Schaal Technology

Schaal Technology's core competencies are located in all market segments and in special stamping lines. For fin stamping technology we can look back to over 45 years of experience. At our plant in Salach we develop and manufacture our concepts and systems for our customers. We deliver solutions to realize standard high speed presses and complete special press lines for our customer needs. This is our focus as special machine supplier in field of thermal management production solutions.

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