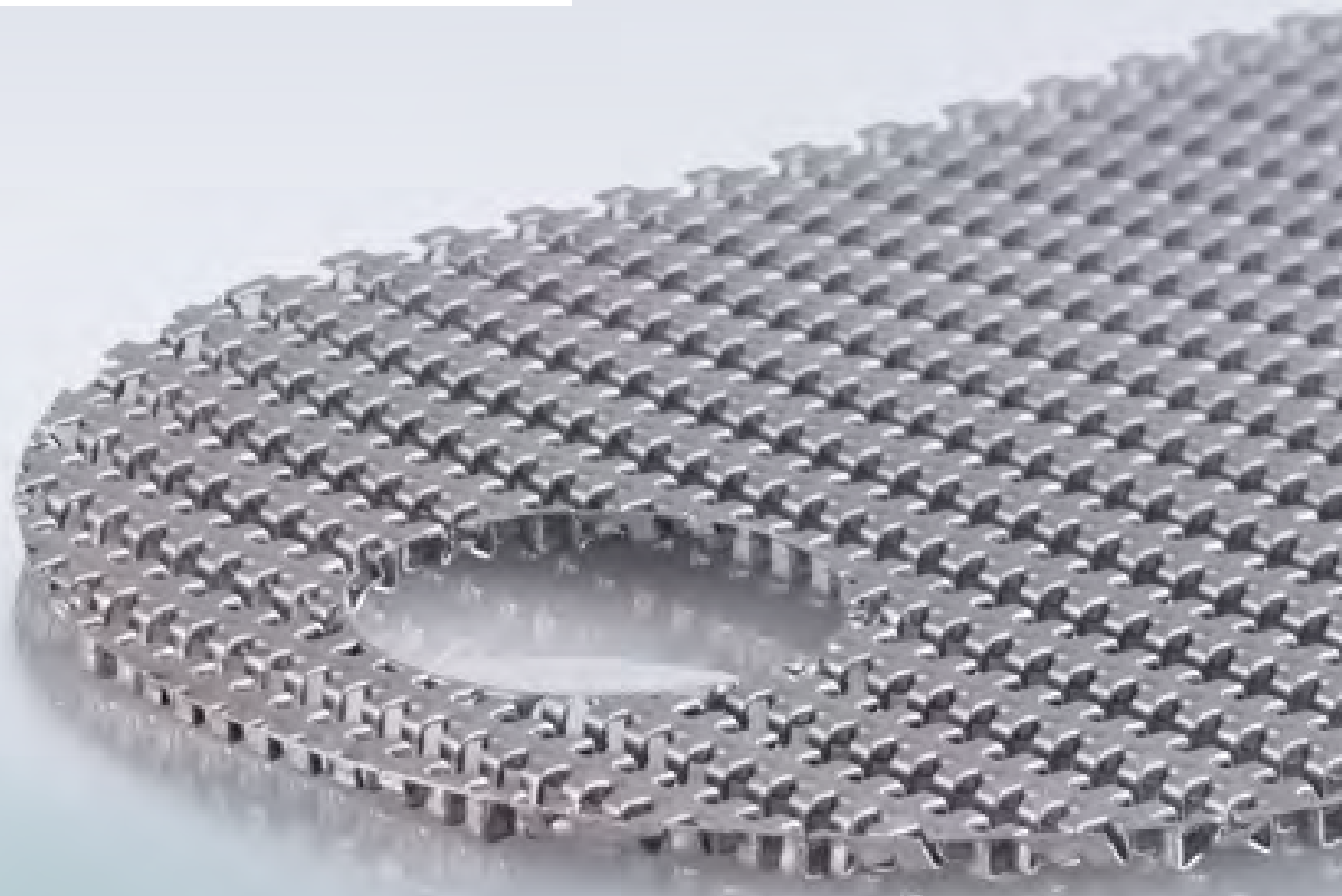


SCHAAL

by Weil Technology

Fin Forming – stamped radiator fins



Realizing fascinating solutions

Fin Forming – the solution for manufacturing stamped high-quality fins



Fin Forming

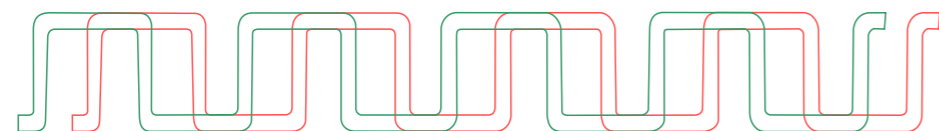
Stamping machines for the efficient manufacture of radiator fins from the coil

As far back as 20 years ago, Schaal Technology developed a production solution for the fully automated manufacture of stamped radiator fins.

Complex fins can be formed in a multi-track stamping process. Thanks to the tool technology, this results in radiator fins that are optimised in their shape for ideal thermal conductivity.

Radiator fins

- Stamped radiator fins almost have a rectangular form.
- Due to the flat top and bottom of the fin, the contact area is perfect for soldering. A high heat exchange to adjacent fins becomes possible.
- This means that compact heat exchangers with a high cooling capacity can be manufactured.

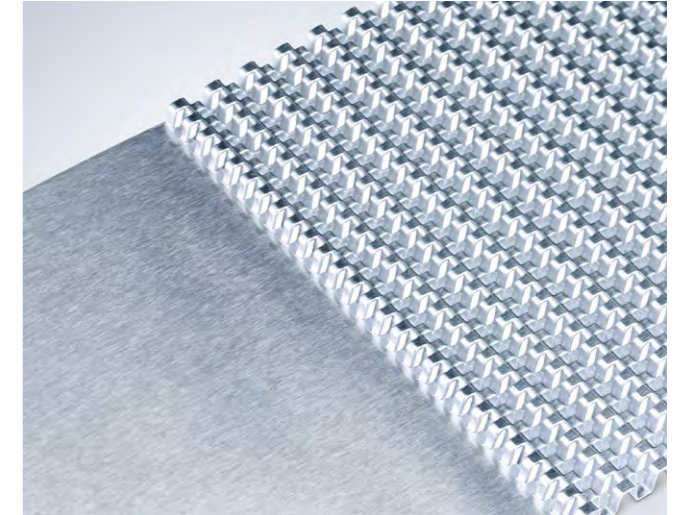


Production steps

- Radiator fins produced endlessly in several tracks are trimmed by an additional forming-cutting tool.
- With stroke rates of max. 300 strokes/min., production is possible on up to seven tracks.

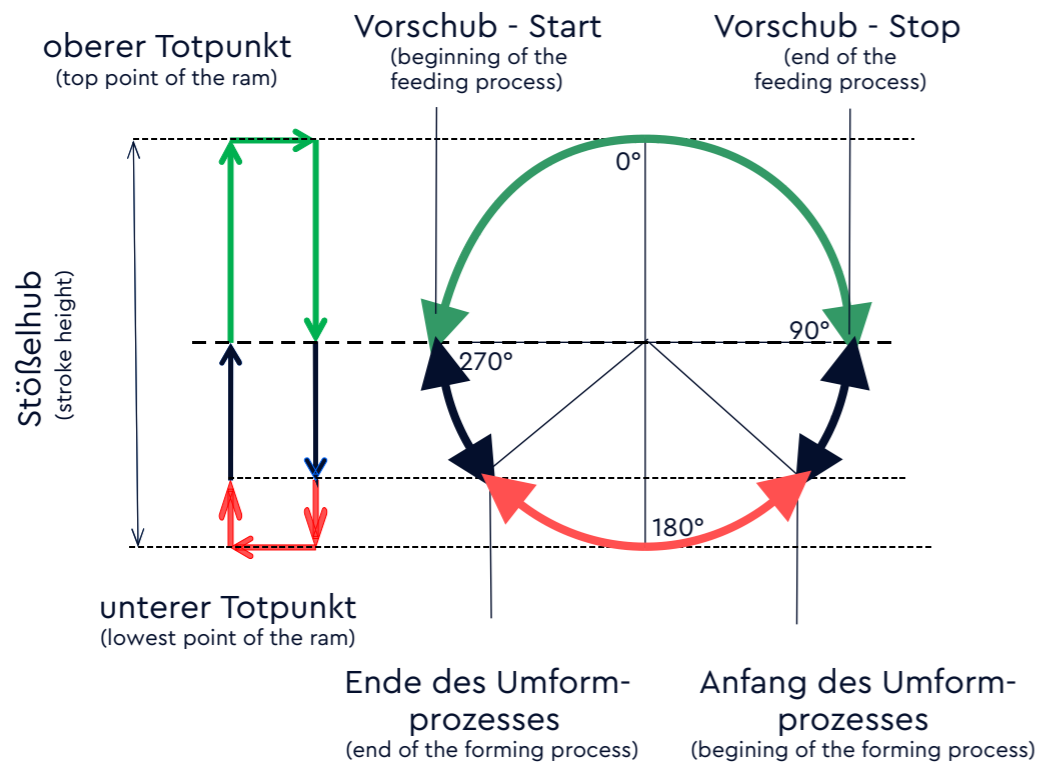
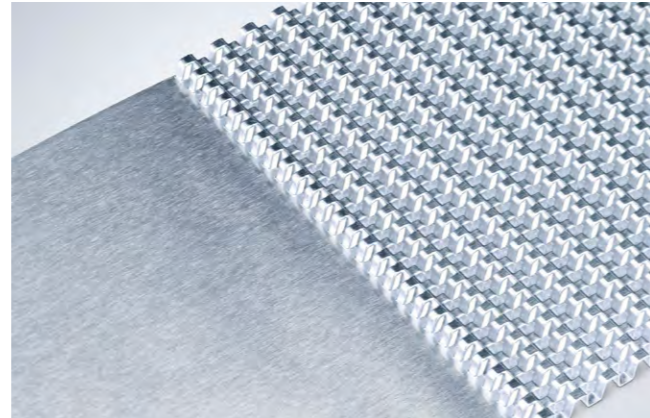
Stainless steel fins

For the preparation of vehicle bases, the combustion gases are cooled and fed back into the drive system. Due to the high temperatures, stainless steel fins are used in the heat exchangers.



Two pressing speeds (at 360° rotation of the eccentric shafts)

The higher strength of the material requires forming at reduced speed. By using a servo press, it is possible to run at two speeds and thus optimise the output.



More information on our solutions & services is available online:

www.schaal-technology.com