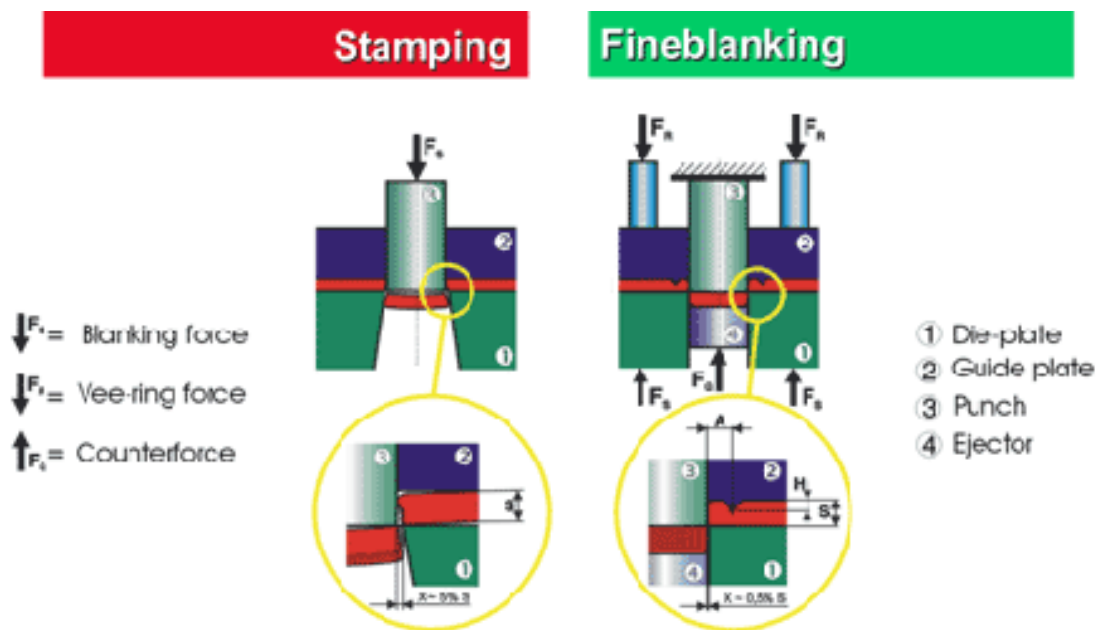


Fineblanking Technology

Fineblanking/forming

Fineblanking/forming

The manufacturing process introduced by Feintool in 1959 and since established as an industrial standard is based on a technique defined in technical terminology as fineblanking. Although it is superficially similar to conventional blanking or shearing processes it can be used to fabricate precision parts ready for installation with cutting surfaces free of torn or chipped edges.



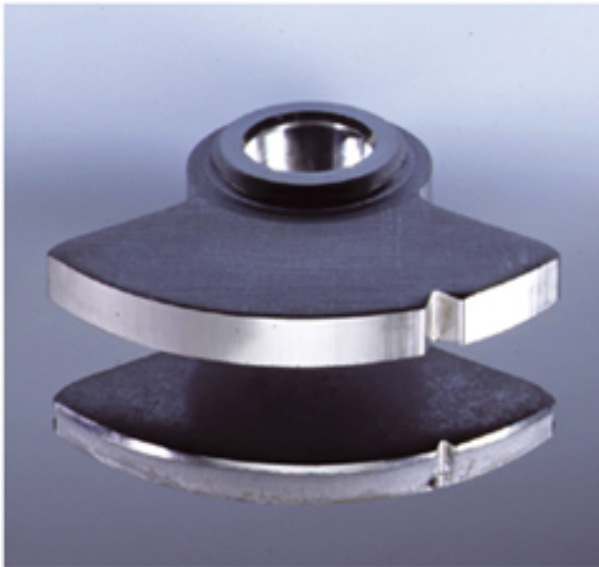
Conventional blanking vs. fineblanking

Comparison of the conventional blanking and fineblanking processes

Parts produced by normal blanking on a press with only one punch force display severe chipping of the cutting surface and are not flat. Cutting surfaces produced in tools with a large cutting clearance are not at right angles, have a very rough surface and cannot be used without follow-up machining operations.

Fineblanked parts which are produced on a press with three active forces and in tools with minimal cutting clearance have clean, right-angled cutting surfaces with

no torn or chipped edges and are extremely flat. This enables them to be used without any need for reworking.



Fineblanked part

Stamped part