

What is Gripflow?

Gripflow is a metal stamping process that has the ability to produce precise stampings with fully-sheared, straight-cut-edges and tight-tolerances for the entire thickness of the part.

The high quality of a Gripflow stamping is achieved by the rigorous control of the tolerances between and within the Gripflow tool and press. There is almost zero clearance between the Gripflow punch and die which leaves no room for error.

Gripflow can be utilized in Compound, Progressive, and Transfer tooling whereby many secondary operations can be eliminated, such as: drilling, reaming, countersinking, counterboring, milling, hobbing, shaving, broaching, and straightening with materials favorable to stamping.

It's ability to make holes smaller in diameter than the material thickness (at times piercing hole diameters as small as 35% of the material thickness) and make thin web-sections (as small as 30% of the material thickness has been achieved) provides Gripflow with a competitive advantage.

The typical Gripflow stamping is characterized by smooth, fully-sheared, straight-cut-edges and consistent high-accuracies (tolerances down to 0.0005" and part flatness to 0.001" per linear inch—note: material thickness and part size are factors that directly affect these tolerances). With the Gripflow technology there is excellent dimensional controls and repeatability throughout a production run allowing parts to be made to tight print tolerances right out of the die.



Above picture shows some Gripflow parts with a jog.

Gripflow is NOT Fineblanking. Gripflow utilizes a conventional punch press. Fineblanking requires a triple-action press and special tooling. Ask for our report “Fineblanking Alternative.”

For more information on our services contact us — it could be the most profitable thing you do today!

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