

IN-HOUSE TOOL & DIE

Lake Air Companies' in-house tool & die design shop is a key component to the success of the organization. Using state-of-the-art CAD/CAM software, our highly skilled engineers will work with you to create tooling that matches the exact specifications and volume requirements of your part.

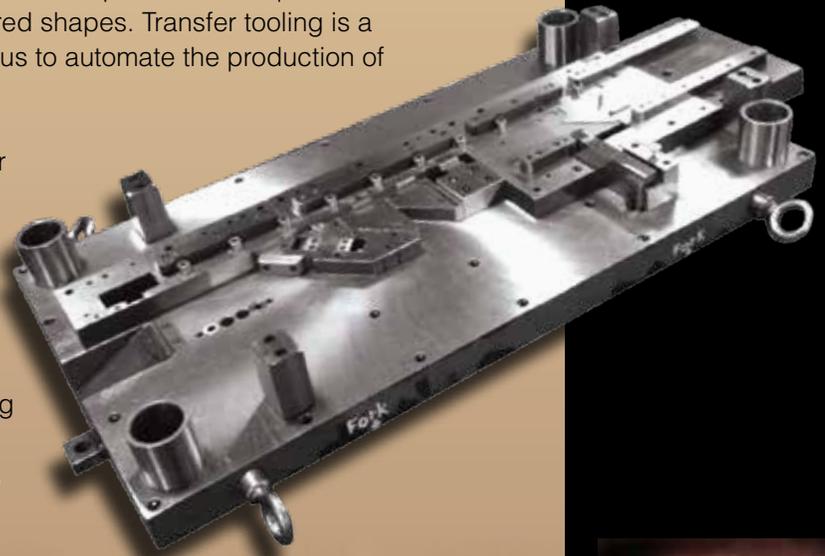
No matter how complex your part, no matter how tight the tolerance needed, no matter how big or small, our tool & die manufacturing capabilities make any design a possibility. We are committed to the idea that if it can be done, we can do it.

PROGRESSIVE TOOLING – This process uses multiple tools in sequence to form a metal strip into complex parts, with each tool advancing the work done by the one previous. In this way, parts requiring multiple processes to reach their end shape can be produced quickly and efficiently in one singular process.

TRANSFER TOOLING – This advanced process uses multiple tools in sequence to punch, press and form bare metal into the required shapes. Transfer tooling is a fast, effective manufacturing technique that allows us to automate the production of complicated, tight-tolerance parts.

MODULAR TOOLING – This process uses modular tooling to economically produce a series of components from one, modular die set. Individual tooling modules made mainly from tungsten carbide and steel are self-contained and provide greater product design flexibility.

STAGE TOOLING – This process uses stage tooling when dies are created for each stage of the parts' creation. There may be separate tools for blanking, forming and for piercing. In some cases multiple operations may be combined into one tool making a compound stage tool.



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