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What parts make good candidates for Micro Transfer™ dies?

A part or die that has one or more of the following issues:

- Raw material is expensive or costly and material utilization is critical.
- Has a pre-cut blank, tube, wire or strip stock as raw material.
- Adding a safety factor to the pitch or coil width because of uncertain blank development.
- Need more space between parts to fit die details or cam drivers.
- Has a high percentage of scrap material, and requires a large amount of material for outside or ladder carriers in a progressive die.
- When nesting for best material utilization creates a poor manufacturing condition.
- Wanting to increase the space between parts for cams or die steels without increasing the material pitch.
- Has a form or feature that goes around the outside profile that prevents a progressive die carrier attachment point, or there is a need for a pinch trim.
- The part is better suited for line dies, stage tooling or station tooling, but the annual volume is too high to make it cost effective.
- You want to put the tool in a large transfer press, but it is not cost-effective to do so.
- The part needs to be mechanically removed from the tool because of a cut-off or locking condition.
- Needs the part to turn, rotate or be repositioned in the tool to allow for direct piercing, improve die conditions or eliminate a poor part quality condition.
- If the die will have form up stations using an upper pad that will require excessive nitrogen pressure, pad travel or part lift.