



Die Cut helps with Exhaustive Work

History

High profile chrome plated outlet on an exhaust pipe was taking too long to mask.

A difficult and time consuming part to mask consistently due to the complex geometry of the piece.

The part to be masked had been chrome plated and then attached to the exhaust assembly prior to the complete exhaust arriving at the painting company for an all over paint for rust protection.

The existing solution involved using rolls of tape applied to the part and then manually trimmed using knives, which meant there was a risk of the knives damaging the plated surface. In addition to this each masking operator masked the part in a different manner using a different amount of tape which impacted the costs of the process.

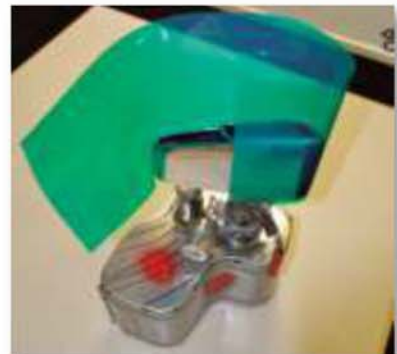
The painting company were unable to keep up with the production of the painted units as the masking operation was taking too much time.

Solution

A shaped die cut made from PC21 tape and designed with only a limited amount of adhesive exposed to ensure that it is easy to apply. The die cut is designed with a straight line on one edge that aligns with a seam on the component, from there the die cut can then be wrapped around the profile and pressed together to form a sealed unit.

Mask Features

- Shaped Die Cut to match the profile of the piece to be masked
- Minimal adhesive exposed to decrease the risk of residue on the part
- Minimal adhesive exposure also makes the part easier to handle and apply
- Die Cut seals around the edges to form an overall cover
- Straight edge of die cut aligns with the edge of the part to ensure repeatability
- Tape removes easily with no adhesive residue
- The Die Cut ensures that costs are kept consistent



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