# MIM – Metal Inlay Molding

<table>
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<tr>
<th>Product</th>
<th>Plastic-Clips – Trim Fixing</th>
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| **Description**  | Retention forces for trim fixings are often reached by using a combined fastener (metal clamp + plastic clip). Important factors for this type of fixing are corrosion resistance of the metal clamp and trim reinforcement for the needed retention forces.  

The use of cost saving and weight saving pure plastic moldings leads to weaker trim, at the same time an undercut in the trim should be avoided so retention has to be effected by force closure. 

The Tucker solution provides the required retention forces by implementing a partial metallic reinforcement inside the fastener during the injection molding in one step together with the clip molding. Expensive assembly or surface treatment for the metal clamp is not needed. Corrosion is avoided by using non-corrosive material.  

This patent solution offers cost advantages coming from manufacturing process, total tool investment and elimination of the assembly process. |
| **Advantages**   | • Considerably lower part price  
• Enormous weight reduction  
• Space optimised design  
• One-piece clip  
• No corrosion in application  
• Higher flexibility in part design  
• Considerable cost savings with trim due to no undercuts |

Typical applications:  
• Fixings on all types of plastic ribs and edges.  
• Optimized fastening in trim fixings e.g. trim strips, covers and drip rail trim  
• Use with lightweight and hybrid materials