

New plastics manufacturing helps DaimlerChrysler “come clean” with the shipping of engine components

IPR Automation-Sohner Plastics Germany has been working with DaimlerChrysler engineers in Germany to solve the problem of Plastic Tray “shavings” in the shipping of Engine Blocks, Cylinder Heads, Transmission Rings and other components with sharp, machined edges.

The parts with sharp machined edges were “shaving” the plastic shipping trays causing slivers of plastic to attach to the parts requiring them to be re-cleaned and inspected before final assembly.

IPR Automation-Sohner Plastics has developed new Thermoformed Trays with a special material, ABS/TPU, that cannot be cut by the sharp machined edges of the parts. This eliminates the need to clean the parts before final assembly in the engine with great savings in time and money.

This unique material it is co-extruded with a rigid base layer of ABS and a cut resistant cover of TPU and requires special thermoforming tooling and techniques.



Vibration Test for General Motors



Standard HPDE produces plastic shavings



ABS/TPU produces no shavings