



Productive Plastics, Inc.

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Specialty Vocational Vehicle

Background

Over the past 174 years, America's leader of fire and emergency equipment has created some of the finest quality products available on the market today and their new line of vocational low cab forward vehicles were no exception.

The Problem

How to accomplish a complete redesign of the second generation vocational vehicle, meet the federal governments stringent 2008 emissions requirements and develop pre-production vehicles in time for the industry's largest waste management show within 6 months.

As engine and chassis designs were launched, interior cab designs were delayed due to unforeseen circumstances. Three months into the project, interior designers began with 3D modeling of the cabs interior components. Having established a value based partnership with Productive Plastics on the inaugural product in 2000, Productive Plastics was again called upon to meet tight budget and delivery requirements required of the new cab interior.

Productive Plastics needed to deliver 10 complete sets of cab interiors for their customers new low cab product line in 12 weeks, and 25 new tools had to be designed and produced in half the normal time for a project of this magnitude. At stake was significant new market share for the product line.

The Solution

Productive Plastics' engineers worked closely with the cab interior design team lending process design guidelines and tool design expertise to stage tool development based upon size and detail requirements. The Productive Plastics project management team coordinated efforts of its raw material supplier and sub-contractors to insure timely delivery of each of the twenty-five tools required to complete the project.

The Results

Productive Plastics delivered 10 complete sets of pre-production interiors one week prior to the show and its customer introduced the only low cab vehicle that met the 2008 emissions requirements to the Waste Management show in Atlanta in April 2008.

