

The Devilbiss Difference – Compact™ Performance Series *Ergonomic Design Improves Painter Performance for Commercial Aircraft Manufacturer*

The Challenge

A leading Commercial Aircraft Manufacturer strives to provide the newest finishing technology for its painters. The company uses a conveyor finishing system to paint its fabricated metal structural aircraft parts. Earlier this year, it re-committed itself to making its finish line both ergonomic and efficient and upgraded its spray guns, originally brought on line in the early 1990s. Their choice? Devilbiss Compact Performance Series spray guns.

The Devilbiss Difference

The company tested a variety of spray gun brands and found the Compact HVLP pressure feed spray gun to be the best overall choice for improved painter comfort, efficiency, and quality.

Ergonomics. Overall, painters liked the weight and feel of the 14.6 oz Compact spray gun. Many in this facility suffer from some type of cumulative trauma disorder and agreed that they felt less discomfort and fatigue at the end of a shift after using Compact. Compact's curved handle design, increased finger space, and operator-friendly trigger design each contributed to the spray gun's high ratings from painters.

Efficiency. Improved painter comfort leads to improved efficiency and quality. Prior to Compact coming on line, runs, sags, dry spray, and contamination were all issues in the small parts paint shop. These were attributed to operator fatigue – it was difficult for painters to maintain consistent quality over the course of a shift. Once Compact was added to the finish line, the consistent high quality of painted parts improved. This has been attributed by production line leaders to the improved ergonomics of Compact over that of competitive equipment. In addition, Compact's adjustable needle packing assembly gives painters the flexibility they need to make adjustments easily and quickly without slowing down production.

Environmental Compliance. Aircraft manufacturers fully comply with strict NESHAP environmental regulations. Compact spray guns are built to handle all types of solvent and waterborne materials and allow this aircraft manufacturer to maintain compliance using a design painters prefer.

The final analysis? The Devilbiss Compact Performance Series spray gun family combines ergonomic design with superior atomization to improve painter performance . . . and the bottom line.



Compact HVLP