

20

19

Aerospace Case Study
Scuff Plate Finishing Process

Aerospace Case Study

DOCUMENTED COST SAVINGS: \$750,000.00/YR**PRODUCT CATEGORY: Abrasives****REALIZED: Process Improvement,
Labor Cost Savings****SUPPLY PARTNER: 3M**

CUSTOMER PROFILE

In the highly competitive aerospace industry, building aircraft, sub-assemblies, and components efficiently, sustainably, and cost effectively requires innovation and improved performance throughout the production process.

THE OPPORTUNITY

Stellar was asked by the aerospace client to find an automated solution for finishing scuff plates. Automation was being pursued as the current process caused a lot of vibration and repetitive wrist motions that could negatively effect employees.

SOLUTION

Due to the inconsistencies seen in the manufacturing of these parts it was suggested that a more stable finishing process needed to be designed before the task could be automated. The new method developed with 3M proved to be an alternative solution to the existing process that allowed for reduced vibration and less complex wrist motion during finishing.

RESULT

The new method also showed to take less than half the time compared to the current method. Based on labor rate, a savings of \$750k per year is achievable. The new method also provides consistent finishing that the previous method did not.

WE DELIVER IT ALL

Partnering with you up front to improve your profit while supporting you with industrial supplies, process solutions and specialty expertise.

 STELLAR

Tacoma - HQ

711 E 11th Street
Tacoma, WA 98421
(253) 383-2700
(253) 383-0943 Fax

Spokane

2501 N. Farr Lane
Spokane Valley, WA 99206
(509) 532-9100
(509) 532-8098 Fax

Everett

1106 Shuksan Way
Everett, WA 98203
(425) 259-9241
(425) 259-4445 Fax

Portland

12831 NE Whitaker Way
Portland, OR 97230
(503) 253-3100
(503) 253-2121 Fax

Albany

1128 S. Commercial Way SE
Albany, OR 97322
(541) 967-8500
(541) 967-6814 Fax

Atlantic City

10 Canale Drive
Egg Harbor Township, NJ 08234
(813) 885-2343
(813) 885-1342 Fax

Billings

2504 Overland Avenue
Billings, MT 59102
(406) 896-0066
(406) 896-0077 Fax

Denver

13782 E I-25 Frontage Rd
Unit B-5
Longmont, CO 80504
(303) 424-4280

Goleta

302 Pine Ave.
Goleta, CA 93117
(800) 643-7095
(805) 964-3779 Fax

Knoxville

3002 Industrial Pkwy W
Knoxville, TN 37921
(800) 232-9366
(865) 525-6469 Fax

Memphis

3310 Commercial Parkway
Memphis, TN 38116
(901) 345-6001

Phoenix

1819 W 3rd Street
Tempe, AZ 85281
(480) 550-3675
(520) 882-6690 Fax

Pittsburgh

1 Park Drive
Lawrence, PA 15055
(724) 743-2540
(724) 743-2541 Fax

Salt Lake City

2044 W 2425 S Unit 1
Woods Cross, UT 84087
(801) 335-4304

San Luis Obispo

755 Fiero Lane, Suite D
San Luis Obispo, CA 93401
(805) 543-5177
(805) 543-0102 Fax

Sparks

955 S. McCarran Blvd. Suite 102
Sparks, NV 89431-6329
(775) 331-4370
(775) 331-8665 Fax

Tampa

7020 Anderson Road
Tampa, FL 33634
(813) 885-2343
(813) 885-1342 Fax

Upland

2022 W 11th Street
Upland, CA 91786
(909) 946-8039
(909) 946-8069 Fax

Ventura

1445 Donion St.
Unit 3
Ventura, CA 93003
(805) 650-9528
(805) 650-9734 Fax

**(800) 562-8258***Sustaining win-win partnerships for Stellar value.*

STELLARINDUSTRIAL.COM