

Revolutionizing Turbine Component Cleaning

How One Team Boosted Output 4x



Background & Challenge

A leading wind turbine repair facility was facing a major production bottleneck. Their technicians were spending hours manually cleaning components coated in residue, each with 50–60 small holes. The process was painstaking: wrapping a paper towel around a screwdriver and cleaning each hole by hand. On a two-shift schedule, their team could only finish about two components per shift—far below what was needed to keep up with demand.

Finding the Right Solution

After testing a range of alternatives, nothing proved effective—competitor products weren't aggressive enough and left residue behind, forcing rework and wasted time. When Osborn's own Lance Berry, Territory Manager, introduced our ATB™ Brushes featuring abrasive nylon brushes with silicon carbide grit, the results were immediate. The brushes delivered the right level of aggressiveness, cleaned thoroughly, and fit seamlessly into their process using a drill-mounted application.

The Results

Throughput jumped from 2 components per shift to 7–8 components per shift. What once required hours of tedious manual labor became a smooth, repeatable process—helping the team catch up on repairs and keep operations moving forward.

Beyond the Product

The value went beyond the brush itself—hands-on support during trials, tailored recommendations, and a responsive, trusted partnership. With facilities across the U.S. and Europe, the team now plans to expand these solutions into additional applications. What began with one bottleneck has opened the door to a larger transformation.

ATB™ Brushes

- Silicon carbide nylon filaments deliver long-lasting, high-performance cleaning.
- Ideal for deburring and finishing complex metal parts.
- Exacting consistency, ensuring uniform quality with each finished part.

About Osborn

For over 140 years, Osborn has been a leader in providing expert application solutions to customers worldwide. As the industry's foremost authority in surface treatment and finishing, we hold more patents for products and processes than all other brush companies combined.