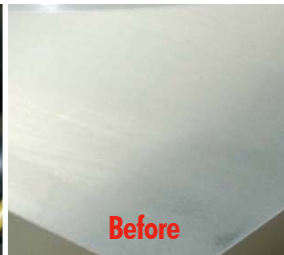
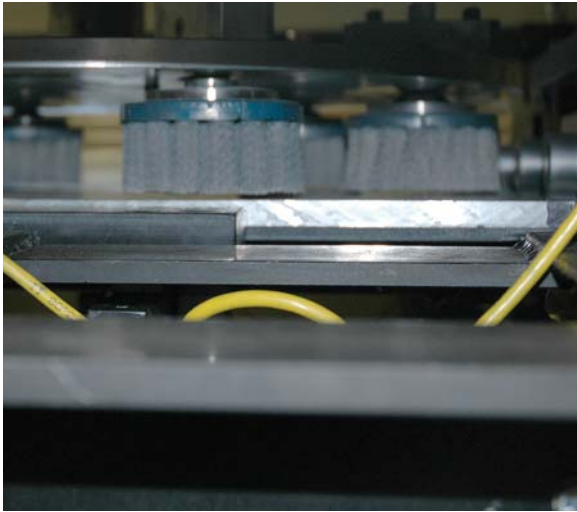


Washing Machine Door

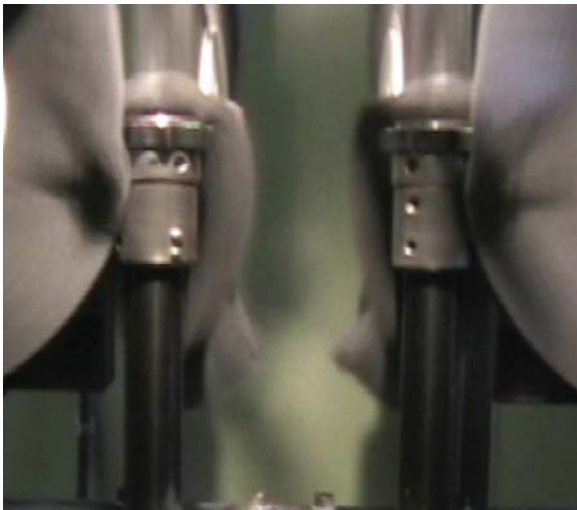


Photos courtesy of On-Line Services.

Problem: While Nylox™ brushes are most commonly used for deburring applications, they also have the ability to produce decorative finishes. Users who want to produce a distinctive appearance on their parts are faced with the challenges of producing a unique look, and maintaining that finish in a high production environment.

Solution: Small diameter Nylox disc brushes fixed to a rotating head are capable of producing the unique finish required by a home appliance manufacturer. A major benefit of the brushes is that they wear very slowly and expose new sharp grain during use. This ensures low media cost as well as finish consistency.

Pump Gear



Photos courtesy of On-Line Services.

Problem: Pumps are extremely susceptible to failure due to burrs. Due to the tight fit between components, all edges must be deburred and radiused to ensure proper function. Proper deburring of rotating pump gears is especially important.

Solution: A dedicated machine running 14" Nylox wheel brushes at 900 RPM was a low-cost solution for deburring these gears. By using dedicated equipment, cycle time was minimized and an acceptable edge condition was achieved.

Turbine Blades

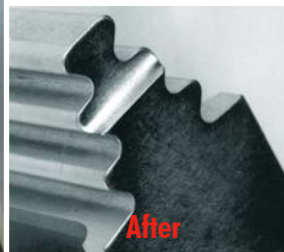
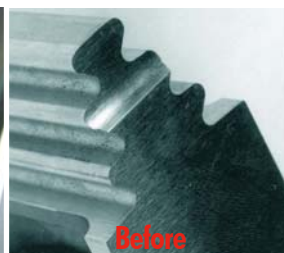
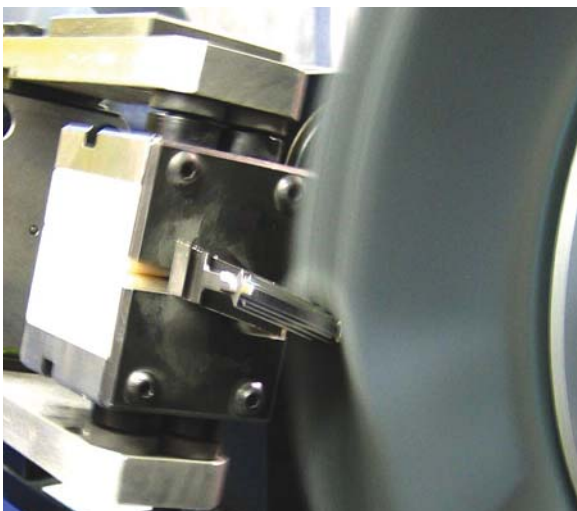


Photo courtesy of ACME Manufacturing.

Problem: Protecting turbine engine components against high-temperature fatigue is critical to ensure safe, reliable engine operation. Component edges must be burr-free and generally require an edge radius in the range of 0.005" to 0.060".

Solution: Robots are extremely well-suited for this application because they can manipulate the component in many orientations in relation to the brush. Weiler works closely with users and robot integrators to develop products and process programs which maximize brush life while generating exceptional part quality and consistency.