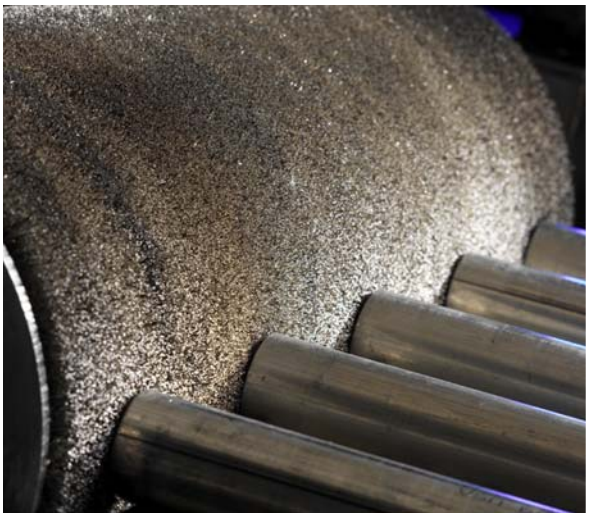
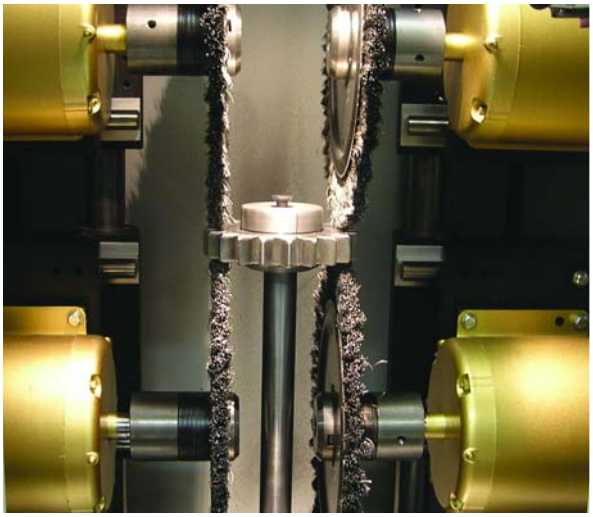
Tube Deburring



Problem: Structural tubing is fabricated into an abundance of different forms. In order to facilitate proper fit, the ends of the tubing must frequently be deburred.

Solution: Wide face crimped wire wheel brushes are an extremely effective solution for tube deburring. Brushes can deburr the OD and ID of tubing at an extremely high rate and produce a media-cost-per-part of considerably less than $0.01 per part.

Gear Deburring

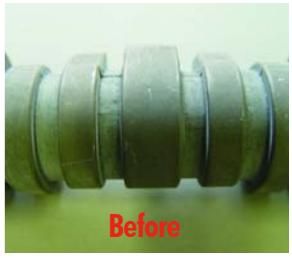


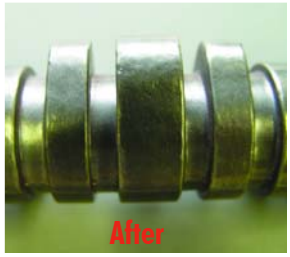
Photos courtesy of On-Line Services.

Problem: Power transmission components like gears cannot function properly when burrs prevent correct engagement. Further, burrs which become detached from gears can become lodged in critical transmission components causing premature wear and potential failure.

Solution: Knot wire wheel brushes with surface speed in excess of 6000 SFPM are an excellent solution for deburring gears prior to heat treatment. The high energy filament tips are able to separate burrs from base material and produce a uniform edge break, which protects the edge of the gear.

Scale Removal from Cam Shafts

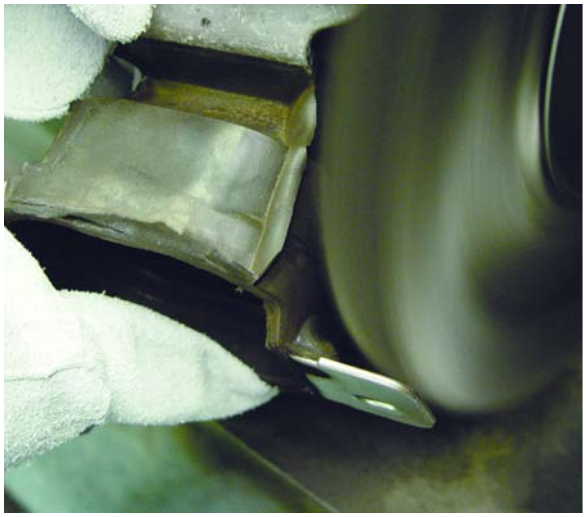


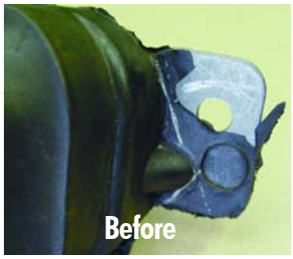


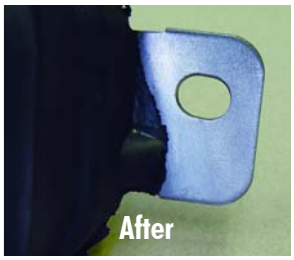
Problem: Forged and cast components are commonly covered with highly adherent scale as well as flash that must be removed prior to grinding or machining processes. Failure to adequately remove flash and scale can cause downstream processes to be unreliable and costly.

Solution: Customized equipment and special knot wire wheels can be used to clean and deflash components such as cam shafts. Brushing is often preferred over blasting and chemical processes that produce a waste stream which is expensive to manage.

Targeted Rubber Removal from Motor Mounts



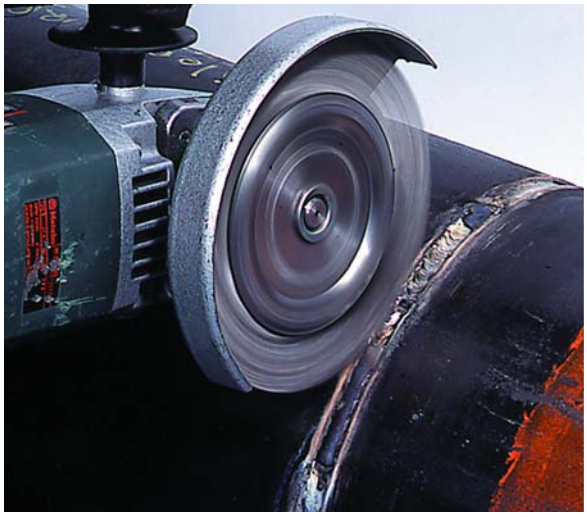


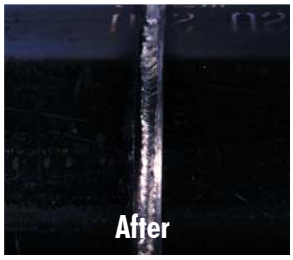


Problem: Mechanical rubber components such as motor mounts are produced through a process that commonly leaves flash and excess rubber on critical surfaces. In order for the component to function properly, this unwanted material must be removed.

Solution: The non-loading nature of wire brushes makes them the best available solution in the marketplace for removal of rubber from targeted surfaces. This solution can be implemented off-hand or using automated equipment.

Multi-pass Weld Cleaning

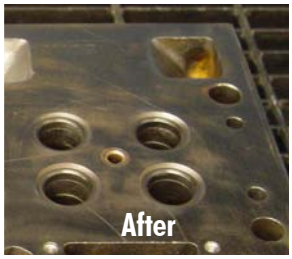




Problem: In order to prevent voids and inclusions in multi-pass welds, each bead must be cleaned before the next layer of material is applied.

Solution: Weiler□s stringer bead brushes are the established market leader for interpass weld cleaning. Their unique combination of stiffness and flexiblilty make them ideal for rapid removal of slag and spatter.

Engine Reconditioning



Problem: In order for remanufactured engines to run optimally, all components must be thoroughly cleaned without altering tolerances established during the original manufacturing process.

Solution: Engine reconditioning requires a combination of wire filled end, tube and wheel brushes to remove debris and corrosion from the many surfaces and holes that characterize most engine components.