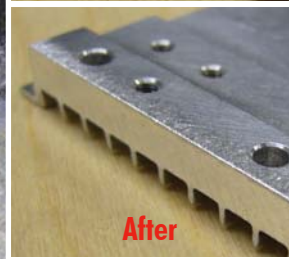
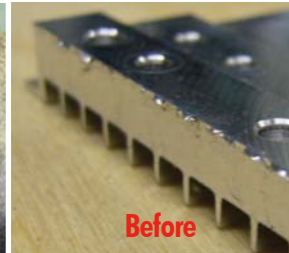


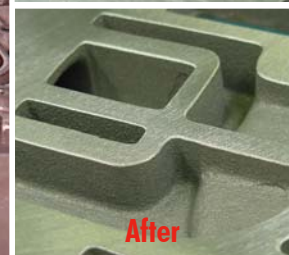
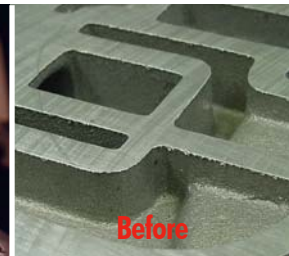
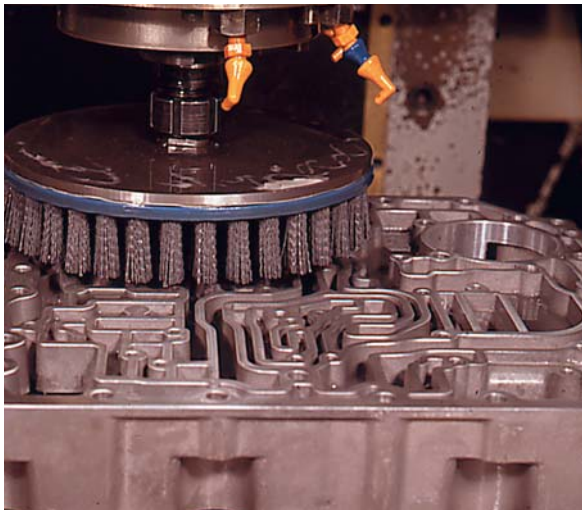
## Aluminum Extrusion



**Problem:** Computer and communications equipment contain aluminum heat sinks which are critical to dissipate the heat produced by these systems. Machined surfaces on heat sinks ensure tight fit and proper mounting characteristics. However, burrs produced by machining processes must be removed to ensure they do not fall into the electrical components and short circuit their operation.

**Solution:** Weiler developed a process for removing the burrs produced by the milling process. Using a 12" NMX style wheel brush at 1,200 RPM, an operator was able to remove the burrs off-hand during the cycle of the machining center.

## Aluminum Automotive Transmission Valve Body



**Problem:** Burrs on transmission components can break away from parent components during use and cause transmission wear and eventual failure. Therefore, fluid passages must be completely burr-free.

**Solution:** A 10" Nylox<sup>™</sup> disc brush operating at 825 RPM in a vertical CNC machining center is an ideal solution for deburring this component. Since all of the burrs are on a single plane, the non-directional nature of a Nylox disc brush produces a part on which all edges have been uniformly deburred.

## Aluminum Wheel



**Problem:** Sharp burrs cause safety concerns due to handling issues. In the production of aluminum wheels, burrs and sharp edges can also contribute to problems with painting and powder coating.

**Solution:** Weiler designs Nylox disc brushes that are tailored to match the specific geometric features of each aluminum wheel. The customized design and use of next-generation filament technology ensures wheels that are thoroughly deburred at the minimal cost-per-part.