



# Bulletin 604 APPLICATION NEWS Proven applications for the Wet Tech process

## Application: Preparation of Metallic parts for Rubber Bonding and/or Phosphate Coating

#### Parts: Automotive Seals, Brake Components, etc.

**Description:** Blasting parts with abrasive slurry in the *Wet Tech Process*. This creates a clean, even etched finish with no media embedded in the surface. The result is a superior anchor pattern for bonding.

## Application A. Batch blasting with an alkaline pre-rinse

The Wet Tech high volume slurry process uses a high concentration mixture of water and coarse abrasive delivered from a series of nozzles to flow over parts. The parts are loaded into a multi-station system. The parts are first exposed to a water/alkaline pre-rinse to wash off light oils and contaminants. The parts are then processed in the same system with the Wet Tech slurry process to etch the surfaces. The parts are then rinsed with pressurized water from the closed loop particle filtration system, where a light rust inhibitor can be applied. As an option, the parts can also be force dried.

# Application B. Phosphate Coating

In the same process as described above, parts can be simultaneously phosphate coated in the blast and subsequent closed loop rinse process.

#### Advantages:

- **Quality** of the finish can be strictly controlled
- The water/abrasive mixture cushions the process and **Eliminates Embedded Abrasive**.
- The *Wet Tech Process* is **Dust Free** equipment can be installed in a clean environment.
- Blast, Rinse, Dry parts in One System
- The Wet Tech Process is Closed Loop, nothing goes down the drain!
- **REPLACES Pre-Washing, and Dry Blasting**, while producing a superior bonding pattern.



**Equipment:** All stainless construction, Batch Loaded Tumblast and Barrels (3 and 6 cubic foot), In-Line, Manual and Semi-Automated, depending on production rates and budget. We can perform part testing in our lab, or through our local distributor. See machines and more information at our website below. **Video footage of this application is also available!** 

# High Volume Liquid Abrasive and High Pressure Water Surface Finishing Systems

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