

**APPLICATION NEWS- Proven applications for the Wet Tech process**  
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## Parts: Tooling Inserts

**Description:** Sintered powder metal tooling inserts receive coatings such as titanium nitride, etc.

**Application A.** Clean and prepare surface prior to coating.

The Wet Tech high volume slurry process uses a high concentration mixture of water and fine abrasive delivered from a series of nozzles over the inserts, which are loaded in individual compartments on a screened tooling tray. By controlling the slurry pressure, the process quickly deep cleans the surface to remove contaminants that can impede the coating process. At the same time, a light, desirable edge break can be achieved. The result can improve operating characteristics of the insert.



**Application B.** After coating, produce a smooth, matt to semi-shine cosmetic finish.

After coating, inserts often appear dull with some semi-fixed contaminants on the surface. Utilizing lower process pressure, combined with high flow rate and the correct choice of media, these contaminants can be removed while leaving a cosmetically enhanced finish.



### 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!**
- These **Advantages** have enabled Wet Technologies Insert Finishing Systems to **Replace Dry Blasting and Chemical Etching** Equipment.
- Equipment can be installed in clean areas, closer to pre and post processes.



**Savings:** Time in multiple processes. Lower air consumption.

**Equipment:** All stainless construction, Batch Loaded, 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.

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