

APPLICATION NEWS-
Proven applications for the
Wet Tech process



Savings: Multiple steps and handling. No Dust Collector- Smaller Footprint. Reduced chemical usage.



Orthopedic Implants – Profiling and Blending

Description: Medical implants require special profiles that support bone re-growth, plating adhesion, or a low Ra blended finish. Dust, embedded dry abrasive, and limited floor space in the manufacturing environment are traditional hurdles.

Our numerous in-plant installations have proven to minimize or eliminate them.

Application A: Creating a rough, high Ra profile

Our unique low pressure, high volume/concentration allows the use of traditional white, or less costly, more durable BFA abrasive, or very high durability Alumina zirconia, with minimum or no embedment. Grit sizes to #14 are typical.

Application B: Blending and Smoothing Machine Marks

Depending on conditions, Ra profiles in the low single digits can be achieved!

Application C: Matting for cosmetic appearance

Utilizing round or angular media, a matt finish with a low Ra profile can be achieved. This is also used for surgical tools.

Application D: Deburr and Smooth

The first pass over the part uses higher regulated air pressure to accelerate the slurry to remove the burr. The pressure is then reduced, allowing the slurry to smooth the surface, helping to reduce steps.

Application E: Strip Hard Oxide Coatings

Without abrasive embedment.

Application F: High Pressure Water– No Abrasive. Manual and Automatic Closed Loop HP systems from 1,000 To 5,000 PSI to clean etched surfaces.

Advantages of the Wet Tech Process:

- **Repeatable Process-Quality** of the finish can be strictly controlled.
- The water/slurry cushions the process and can **Eliminate Embedded Abrasive**.
- **No chemicals!** The Wet Tech Process uses water to carry the media.
- The **Wet Tech Process** is **Dust Free**- equipment can be installed in clean work cells to closely control Q/A. Risk of **dust fires and dust explosions eliminated!**
- Capabilities to **Wet Blast, Rinse**, and even **Dry** parts in **One System**.
- The **Wet Tech Process** provides **Closed Loop**, filtered water for rinsing.
- Can **REPLACE** Dry Blast, Hand Deburring, Drag or Vibratory processes, while able to get into tight corners and thru holes.

Equipment: All stainless construction, Automated Rotary, Batch Loaded, In-Line, and Manual systems, depending on requirements and budget. We can perform part testing in our lab or through our local factory trained distributor.

