

November 2019

TECHNOLOGY NEWS

Precision Punch & Tooling has formed a strategic partnership with Advanced Coating Service (ACS) in Rochester, NY.

This partnership is designed to identify and develop surface treatment and coating solutions aimed at improving tool life for our customers' most demanding requirements in the Metal Forming, Metal Fabricating, Stamping, and Specialty Tooling market segments. Our engineers work with our customers to optimize the tool steel, heat treatment, surface finish and surface treatment/coating, resulting in significantly improved tool performance.

As a result, our acclaimed '**P-Wear™**' Series of Surface Treatments and Coatings was the first achievement to come from this partnership. Our most recent offering, '**P-Wear Optimum™**' has demonstrated increased wear resistance, improved resistance to corner breakdown, and increased lubricity for reduced galling while providing increased hardness.



P-Wear Optimum™

A proprietary Quad coating with pre and post processing designed to enhance tool performance.

- Nano hardness 3600 HV
- Thickness 2-3 microns
- .25 coefficient of friction



P-Wear™

A dual-process surface treatment/coating process.

- Provides excellent toughness with high micro hardness of 2300 Vickers*.
- P-Wear™ is not recommended for use in stainless steel, nickel and copper applications, and is most effective when used with lubricants.



P-Wear Extreme™

With the same superior qualities as P-Wear™, offering a greater hardness and lower coefficient of friction, translating into higher wear resistance.

- Provides excellent micro hardness of 3000 Vickers*.
- P-Wear Extreme™ is recommended as a superior choice for stainless steel, nickel and copper applications as well as for shaving operations.

For more information contact our customer service department at **860-229-9902**.

*Vickers used when RC exceeds 80.