Benefits

- RESISTS WEAR, EROSION, & GALLING
- PROCESS IS DIFFUSED INTO THE STEEL SO THERE IS NO FLAKING, PEELING, CHIPPING
- INCREASES RESISTANCE TO MECHANICAL & THERMAL FATIGUE
- PROCESS DOES NOT SOFTEN EVEN AT ELEVATED TEMPERATURES
- INCREASED LUBRICITY LOWER COEFFICIENT OF FRICTION
- INCREASED RELEASE PROPERTIES & FORMABILITY
- LOW DIMENSIONAL VARIATION .0001”-.0002”/SIDE
- ANTI-GALLING & ANTI-STICKING PROPERTIES
- REDUCED BUILDUP
- MAINTAINS EXCELLENT MICROFINISHES
- BETTER WELDABILITY THAN ION/GAS NITRIDE

DYNA-BLUE PLUS™ PROCESS IS UNIFORM EVEN IN DEEP HOLES, RIBS

DYNA-BLUE PLUS™ CAPACITY 77” X 120” UP TO 30,000 LBS.

ISO 9001:2008 TUV RHEINLAND

PARTNERSHIP WITH WILLIE HORTON INC FOR MINORITY CREDITS

PERFORMANCE TESTING

A tool performance study was done by a hot stamping facility on High Strength Steel to test performance of DYNA-BLUE + PVD as compared with a PVD Chromium Nitride process. The facility immediately reported that the scrap rate had dropped considerably due to better release with the DYNA-BLUE + PVD diffusion process than the CrN PVD Coating. This test revealed that the DST-Cr process had the greatest increase in tool life.

COST EFFECTIVE - WEAR RESISTANCE REDUCE TOOL & DIE COSTS BY 50% OR MORE

DYNA-BLUE PLUS™ is a low temperature (950 – 1050 °F) combination process incorporating fluidized bed Ferritic Nitrocarburizing plus a surface enhancement. A compound layer with hardness 75+ Rockwell “C” supported by a diffusion zone is produced in the base material.

DYNA-BLUE + PVD™ provides a hard PVD coating on top with a DYNA-BLUE® process diffused into the steel, which provides additional support and wear resistance. Another benefit is the excellent release properties and formability due to the PVD coating on the surface.

Call us today to dramatically reduce downtime, maintenance, and increase part quality and tool performance with

DYNA-BLUE®