Increase your “return on investment” by increasing Tool Life up to 10 times longer than gas/ion nitride or chrome with DYNABLUE®

Benefits

- RESISTS HEAT CHECKING, SOLDERING & WASHOUT (DIE CASTING DIES)
- RESISTS ATTACK FROM HARSH CHEMICALS, ALUMINUM, MAGNESIUM, ZINC, SALT WATER
- INCREASES RESISTANCE TO THERMAL FATIGUE
- HIGH LEVELS OF RESIDUAL COMPRESSIVE STRESS TO AVOID CRACKING
- CO-EFFICIENT OF FRICTION AS LOW AS .1
- LOW DIMENSIONAL VARIATION .0001”-.0002” GROWTH PER SIDE
- ANTI-GALLING & ANTI-STICKING PROPERTIES
- MAINTAINS EXCELLENT MICROFINISHES
- BETTER WELDABILITY THAN ION/ GAS NITRIDE
- ENHANCE PARTING LINE DURABILITY (PLASTIC INJECTION MOLDS)
- NEW FURNACE: 77” X 100” UP TO 15 TONS
- NORTH AMERICAN DIE CAST ASSOCIATION SAYS “MOST COST EFFECTIVE PROCESS”. “THE BENCHMARK”
- ISO 9001:2008
- TIER 1 SUPPLIER TO THE AUTOMOTIVE, DEFENSE AND TOOLING INDUSTRIES
- MEETS MILITARY SPECS AMS 2757 B AND 2750D
- PARTNERED WITH WILLIE HORTON INC FOR MINORITY CREDITS

Incoming Material Requirements

**In God We Trust**

**DYNA-BLUE®** is a low temperature (typically 950 – 1050 °F) combination process incorporating fluidized bed Ferritic Nitrocarburizing and a controlled oxidation process. A compound layer with Vickers hardness up to 1880 (75+ Rockwell “C”) supported by a diffusion zone is produced in the base material. The oxide layer produced on the surface, resists corrosion and will assist in die lubricant retention and wear resistance.

**DYNA-BLUE®** resists erosion and abrasion 2 –10 times longer than ion/gas Nitriding, Chrome or Nickel Plating in most environments where heat, molten metals, glassed filled plastics and wear effect the tool life. The process provides the ultimate protection from wear, corrosion, erosion, soldering and fatigue. When test coupons were subjected to a salt and humidity chamber and tested per ASTM B-117, **DYNA-BLUE®** performed better than stainless steel for corrosion resistance. **NIROWEAR®** (a combination of **DYNA-BLUE®** with a corrosion resistant dip) has demonstrated up to 200 hours of salt spray resistance.

Call us today to dramatically reduce downtime, maintenance, and increase part quality and tool performance with **DYNA-BLUE®**.