



7784 Ronda drive  
Canton, mi 48187  
Telephone 734-459-8022

**COST EFFECTIVE - WEAR & CORROSION RESISTANCE-REDUCE TOOL, DIE AND MOLD COSTS BY 50% OR MORE**

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

**DYNA-BLUE PLUS™** resists wear, erosion, heat checking and soldering 2 –10 times longer than Ion/gas/salt Nitriding, or PVD/CVD Coatings even in the most aggressive environments such as Die Casting Structural Components with Aluminum Alloys such as Silifont 36™ Aural2™ or Mercalloy™. These grades of Aluminum have proven to significantly reduce tool life due to an acceleration of heat checking, soldering, erosion and breakout of the die surface but DYNA-BLUE has proven to prevent the attack and provide a dramatic improvement in Tool Life.

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

**DYNA-BLUE PLUS™**

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

**DYNA-BLUE PLUS™**



“In God We Trust”

## Diecasting

### Benefits

- RESISTS HEAT CHECKING, SOLDERING & EROSION
- RESISTS ATTACK FROM ALUMINUM, MAGNESIUM, ZINC
- INCREASES RESISTANCE TO THERMAL FATIGUE
- HIGH WEAR, ABRASION AND CORROSION RESISTANCE
- CO-EFFICIENT OF FRICTION AS LOW AS .03
- LOW DIMENSIONAL VARIATION .0001”-.0002” GROWTH PER SIDE
- ANTI-GALLING & ANTI- STICKING PROPERTIES
- BETTER RELEASE PROPERTIES
- BETTER WELDABILITY THAN ION/ GAS NITRIDE
- CAPACITY 42” X 134”
- CAPACITY 77” X 100” UP TO 15 TONS
- CLAIMED BY MANY DIECASTERS AS “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 2750E

### Customer Comments

“ DYNA-BLUE PLUS has rejuvenated our used dies and greatly reduced soldering and erosion even at end gate areas!!! It gave new life to a used die so I could make it thru the production schedule, it really saved us”

“DYNA-BLUE PLUS is the only process I can trust especially on our used dies. I can also re-apply when it eventually wears off as part of my maintenance schedule.”

