DYNA-BLUE® is a low temperature (as low as 950°F) engineered 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 diffused into the steel. The oxide layer produced on the surface, resists corrosion and will assist in die lubricant retention and wear resistance. As new steels are developed, Dynamic has engineered a DYNA-BLUE process for each specific steel & application and now has over 100 variations of DYNA-BLUE.

DYNA-BLUE® resists wear, erosion, heat checking, cracking and soldering 2 –10 times longer than ion/gas/salt Nitriding, or PVD/CVD Coatings even in the most aggressive environments such as casting structural components with aluminum alloys with 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, increase part quality and tool performance with DYNA-BLUE®.

THE MOST COST EFFECTIVE WEAR & CORROSION RESISTANCE– INCREASE TOOL LIFE AND REDUCE COSTS BY 50% OR MORE “THE BENCHMARK”

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