

### THE PROCESS

Pioneer's Black Nituff® finish penetrates fluoropolymers into precision coatings for metals, transforming the surface into a hardness comparable to case-hardened steel, and reveals a rich black finish. This process maintains the durability and strength of hard metals, while offering all the benefits of aluminum, such as lighter weight, ease of machining and lower cost.

### PERFORMANCE BENEFITS

- Increased Surface Hardness
- Self Lubricating
- High Corrosion Resistance
- Aesthetic Appeal

### THE OVERVIEW

#### BLACK NITUFF®

Achieve permanent lubrication, corrosion resistance and aesthetic appeal with Pioneer's Black Nituff® process. Across industries Black Nituff improves component performance.

[CLICK HERE TO VIEW IMAGES OF THIS PROCESS](#)

#### RECEPTIVE METALS

- Aluminum
- Aluminum Alloys

#### THICKNESS

.0005-.003" Dependent on Alloy

#### MAX PART SIZE

30" Length x 48" Depth x 68" Width

#### SPECIFICATIONS

MIL-A-8624 Type III, Class 2, Black



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