



# World Class Cleaning Solutions

## Case Study

### Firearm Manufacturer: Anodize Process

#### CUSTOMER DETAILS

**Product:** AquaVantage® 815 GD

**Parts Cleaned:** Upper and Lower AR-15 receivers

**Removing What Soil(s):** Qualichem 250C coolant

**Why are Parts Degreased:** Next operation is either Cerakote or Anodize

#### CUSTOMER PROCESS BRULIN REPLACED

**Current Chemistry:** Dawn dish soap in sink

**Concentration:** Unknown

**Washer Type:** Sink

**Specific Metals:** Aluminum 7075-T6 and 6061-T6

**Temperature:** 110°F (43°C)

**Time/Line Speed:** Soaked for hour then scrubbed and rinsed

**Customer Improvement Requested:** Lower time and effort in cleaning process.

#### BRULIN RECOMMENDED PROCESS

**Chemistry:** AquaVantage® 815 GD

**Concentration:** 10 – 15 %

**Temperature:** 140°F (60°C)

**Time/Line Speed:** 5 min in Ultrasonic unit

**Dry:** No

#### RESULTS

Clean parts

#### REASON BRULIN WON

AquaVantage® 815 GD exceeded customer's expectations with ability to remove coolant in sonics.

Customer saw a drastic reduction in rejected parts from their coating partner.