

# VALVE MANUFACTURER

**INDUSTRY**  
Valve Manufacturer

**PRODUCT**  
Valve Pistons

**APPLICATION**  
Oil Refinery or Chemical and Food Processing

**CHALLENGE:** A leading manufacturer of industrial valves needed to reduce material costs and increase machining capacity without compromising corrosive resistance of material and part integrity.

**SOLUTION:** Utilizing The Friction Welding Advantage, American Friction Welding helped the customer realize a 20% reduction in costs and a 20% increase in capacity by employing the following:

- Friction welding 316L stainless steel stems to both sides of 316L stainless center disc to create a near net shape blank saving of 60% on raw material cost
- Many varieties of materials can be used in this type of application
- Reduced machining time by 35% with near net shape also increasing turning center capacity by the same 35%
- Used full KanBan program to reduce customer's inventory by 50% and lead-time to 3 days
- Application processing excellent for highly corrosive chemicals



**CONCLUSION:** American Friction Welding application specialists work closely with you throughout your project. Design engineering assistance, process analysis and testing gives you the ultimate cost solutions. Add comprehensive post-production KanBan inventory and logistical support services and you're surrounded with The Friction Welding Advantage from AFW!

*Contact us today to discuss your application in confidence and save with our unique capabilities!*



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