

# OEM OF FOOD PUMPS

**INDUSTRY**  
Food Processing

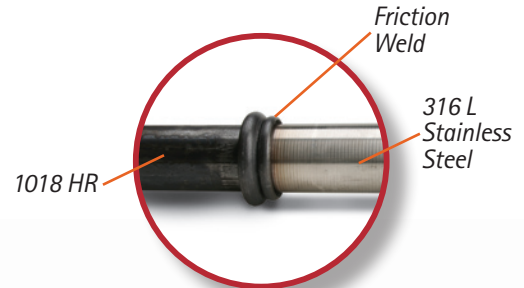
**PRODUCT**  
Bi-Metal Shaft

**APPLICATION**  
Positive Displacement or Centrifugal Pump Shafts

**CHALLENGE:** A leading manufacturer of food pumps needed to reduce costs and increase machining capacity without sacrificing part integrity or the material's corrosive resistant character.

**SOLUTION:** Utilizing The Friction Welding Advantage, American Friction Welding helped the customer realize a 50% savings and 20% increase in capacity by employing the following:

- Friction welded 316L Stainless Steel on 25% of shaft where corrosion-resistance is required with the remaining 75% 1018HR low-cost carbon steel
- Reduced machining time with higher feeds and speeds on the 1018 material which increased machining cell capacity by 20%
- Used full KanBan program to reduce customer's inventory by 50% and lead-time to 3 days



**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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