

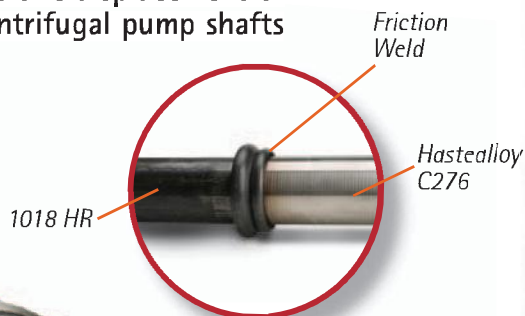
OEM OF CHEMICAL PUMPS



INDUSTRY: Chemical Processing Equipment

PRODUCT: Bi-Metal Shaft

APPLICATION: Positive displacement or centrifugal pump shafts



CHALLENGE: A leading manufacturer of Chemical Pumps needed to reduce costs and increase machining capacity without compromising corrosive resistance of part or part integrity.

SOLUTION: Utilizing The Friction Welding Advantage, American Friction Welding helped the customer realize a 75% savings and 35% increase in capacity by employing the following:

- ▶ Friction welded Hastelloy C276 alloy on 25% of shaft where corrosion resistance is required and replaced remaining 75% with 1018HR low-cost carbon steel
- ▶ Reduced machining time with higher feeds and speeds on the 1018 material, which increased machining cell capacity by 35%
- ▶ Utilized 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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