



Existing OEM Shaftless Spiral was a Unique Design and Not Available

Custom Shaftless Spiral Replacement for US Borax in Boron, CA

Introduction

US Borax operates one of the largest borate mining and refining facilities in the world in Boron, CA. Borates are naturally occurring minerals containing boron and are used in a wide range of industrial and consumer products. Common applications include glass, detergents, cleaning products, flame retardants, adhesives, and sealants.

Motion in Victorville, CA is the primary provider of power transmission and industrial supplies to US Borax. Working with Motion, KWS replaced a specialized OEM designed shaftless spiral used in critical process equipment.

Challenge

The existing OEM shaftless spiral had a unique design that was not readily available. US Borax needed an immediate replacement that would fit properly into the existing equipment and provide reliable operation without modification. The shaftless spiral was constructed from 316 stainless steel with special torque tube designs on both ends.

KWS Advantage

A KWS Technical Sales Specialist visited the plant and measured the existing OEM shaftless spiral. Drawings were created so future spare parts could be ordered. KWS manufactured a direct replacement to meet the exact dimensional and performance requirements of the application. KWS provided Motion and U.S. Borax with a superior quality replacement that fit the existing equipment and operated as expected.

Customer Testimonial

"KWS did a great job with the replacement shaftless spiral. It fit perfectly into the equipment and operated as expected. The drawings will allow us to order a spare screw to prevent downtime."

Damian Kelly, Account Representative - Motion

Installation Address
Summit Argo, Illinois 60501



KWS Manufacturing

3041 Conveyor Drive
Burleson, Texas 76028

Toll Free: (800) 543-6558
Phone: (817) 295-2247
Fax: (817) 447-8528

www.kwsmfg.com



Special Torque Tube Designs were Duplicated



Measurements were Taken for an Exact Dimensional Replacement



KWS Provided a Superior Replacement that Fit Existing Equipment