



Sectional Flights are Cut on High Definition Dual-Head Plasma Table for Maximum Efficiency

KWS Provides Quick Delivery of Replacement Screw for Georgia Pacific

Introduction

Georgia Pacific recently completed a \$7 million upgrade at the lumber facility in Diboll, Texas. A crucial screw conveyor at the end of the drying kilns and boiler operation was deemed urgent and a replacement screw was needed immediately. With only one week left in the outage, the specialized screw would be a challenge only KWS could engineer and produce in the required time frame.

Challenge

The replacement screw was very heavy duty with special features that require ASME certified welders to achieve. The center pipe of the screw along with both the drive end and end shafts were bored so cooling water could flow through the screw and shafts to cool the bulk material and equipment. In addition, the flights had full-faced hard surfacing applied for abrasion resistance. The hardsurfacing process is intense and must be applied by skilled craftsmen. All work had to be completed in less than five days.

KWS Advantage

Using field measurements and a hand sketch, KWS created drawings and verified the dimensions for the replacement screw within 24 hours. Manufacturing began instantaneously and work was performed 24/7 until completion. Every decision was made with only the customer's needs in mind. The completed screw was tested and straightened in a lathe to within 0.015-inches TIR. Quality checks were performed in process and at manufacturing completion. The replacement screw was delivered to the plant and installed during the shutdown period as promised.

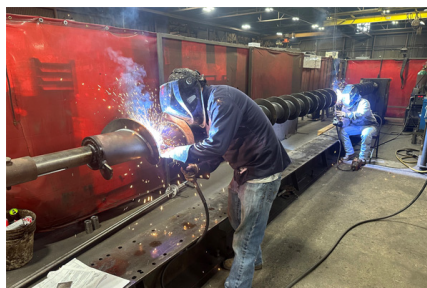
Testimonial

Danny Wright, Diboll Lumber Plant Manager – Georgia Pacific

“Thank you KWS for delivering when we needed it the most!”

Cost Savings

With a five day manufacturing time frame, KWS saved over 20 days of down time for Georgia Pacific resulting in savings of over \$150,000.



Multiple Welders Apply Hardsurfacing to Carrying Face of Screw



KWS Screws are Straightened to Within 0.015-Inches TIR

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