A major heavy equipment builder, and long-time Weldon customer, selects the Altaira for peel grinding a wide range of hardened steel pins and shafts. An angular wheelhead design was chosen to best address the more demanding shoulder grinding requirements. This is the fifth Weldon peel grinder for this customer.

End-to-end grinding was accomplished through the use of a rugged face driver and live spindle tailstock. This eliminates the need for a second operation.

When compared to conventional grinding processes, peel grinding has dramatically reduced set-up time, improved quality to statistical levels, lowered tooling costs, and reduced grind cycle times. These things all combine to give our customer improved productivity and a lower total cost....win—win!

System features: 
SBS automatic wheel balancer, Universal electric rotary dresser and CBN abrasives, Dittel acoustic emissions sensor, Heidenhain linear glass scales, FRB hydraulic face driver, Renishaw probe/locator

Weldon Solutions offers a full line of CNC OD, ID, and combination grinders. As a Fanuc Robotics integrator Weldon can also address your machine tending, material removal, material handling, and packaging/palletizing needs.