



# ***RING ROLL GROUP***

## **NEW PROJECT SOLICITATION**

### **CALL FOR PARTICIPANTS**

**Initiated by FRISA Industries**

#### **Topic:**

"One of the problems that bearing manufacturing companies face during the turning of their parts is distortion (out of roundness), which can be understood as undesired diametric dimensional changes that jeopardize the final assembly or application of the piece. Customers acknowledge that this is not an easy problem to solve, due to its intermittent nature, i.e. it appears in only some of the pieces in a particular lot, and it may go on and off in different part numbers. Even though the problem appears to be influenced by stresses in the turning/cutting (gashing) or induction hardening at the customer, ring roll manufacturers would like to better understand how to minimize distortion on their pieces by reducing the stresses that appear in the ring rolling/heat treating process. The scope of the project would be to understand where in the manufacturing process (forging and heat treatment) is stress mainly generated and how this can be minimized."

#### **How to get involved?**

Please contact Carola Sekreter, FIA Technical Director at [carola@forging.org](mailto:carola@forging.org) or call 216-781-6260