



MANUFACTURING - CUTTING

PIPE CUTTING MACHINERY



CUTTING



SMOOTH MOTION



LONG LIFE



CUSTOMIZABLE

State-of-art pipe cutting machinery gets intricate.

A manufacturer known for building and utilizing the most up-to-date motion control systems for pipe cutting, uses an innovative floating headstock and cutting head design on their custom computer controlled machinery. The machines use a two or four axis control to create fast, intricate contoured pipe-ends, saddle holes, slots, and complex intersection cuts in extreme temperatures, humidity and vibration - a process that normally take hours to layout by hand.

CHALLENGE

The company required linear bearing and track components to move an air cylinder up and down, as well as side to side to keep large pipe of various lengths in line for cutting. A ring segment and journal component were needed to move the cutting head in a variety of positions as it cuts different beveled angles into the pipe. Since time is of the essence in this fast paced environment, it was important that the components were long-lasting and maintenance free.

SOLUTION

DualVee Motion Technology® from Bishop-Wisecarver provides long lasting, durable motion with very little maintenance required. the linear guide wheels and track allow for high repeatability and are capable of withstanding high speeds under extreme environment conditions. The HepcoMotion® PRT2 double edge ring segments exclusively from Bishop-Wisecarver allow for the cutting heads to rotate in an arc like fashion, creating difficult custom pipe cuts without worry of inaccuracy.