

Customer: **RK Design Technologies**

Application: **Non-Turret Winder**

Products Used: **PositionServo Drive**



PositionServo 940 helps RK Design customers achieve 30% to 50% increases in productivity.

RK Design Technologies specified **Lenze-AC Tech PositionServo 940** in their patent-pending non-turret winders. The Original Equipment Manufacturer of polymer processing equipment chose the PositionServo 940 based on price, performance and ease of use.

Based in Akron, Ohio, RK Design Technologies has over 30 years of experience in manufacturing equipment for the rubber and plastics industries. The company specializes in premium, custom-designed machines that include web/strip equipment, auto-transfer winders and unwinders and high-accuracy servo pullers and cutters.

As part of the development of their cutting edge multi-spindler, non-turret winder, company president Robert C. Baugher was specifically looking for a way to provide automatic transfer/cut between winding reels. Traditionally, winders have used a turret motion for the transfer/cut between winding reels. According to Baugher, that adds cost, complexity and floor space. Non-turret winders, on the other hand, would not offer a truly automatic transfer/cut function between reels, therefore requiring the operation to be manually performed. When servo drives and motion controllers have been added in an effort to improve productivity, they have resulted in increased cost.

Baugher says that the **Lenze-AC Tech PositionServo 940** has allowed RK Design Technologies to provide their customers with a winder that offers modularity, flexibility and worldwide support, without the

use of cumbersome motion controllers. Ethernet Communications is seen as an unparalleled advantage of the **940** by the designers of the RK Non-Turret Winder who appreciate the simplicity, reduced wiring, reduced headaches provided by this servo drive and the ability to Master/Slave over Ethernet with improved software control.

Results have exceeded expectations, as customers report currently 30% to 50% productivity increases; when the typical output would range from 60 or 70 feet of cable a minute, users of the RK Design patent-pending multi-spindle, non-turret winder get 120 and even 150 feet a minute.

PositionServo 940 Benefits

- Accurate spindle positioning at cut
- Brains in the drive equal more capabilities
- Increased productivity
- Small footprint
- Clean complete package
- Ethernet gives outstanding control flexibility
- Competitive pricing
- Adaptability to run any AC motor with encoder
- Servo reliability right out of the box
- Reduced wiring

PositionServo

