Precision Drive Systems (PDS) is a world-class repair center, manufacturer and distributor of high-speed spindles proudly serving all CNC and robotic end-users, machinery manufacturers and automation integrators. Full-scale diagnostic, machining and repair facilities located in North Carolina and Germany help automotive suppliers and manufacturers Dominate Downtime.

PDS serves the industrial robotic machining sector with new spindles and expert spindle repair for all brands, makes and models. We know that a single spindle failure can impact production throughout the line. Our experienced technicians determine the cause of failure during the evaluation process and once repairs are approved by our customers, we rebuild the spindle in a temperature-controlled, clean room environment. Most repair quotes are presented within 24 hours of receipt of spindle. Emergency services are available to ensure production downtime is minimized and each rebuilt spindle comes with a 6 month warranty.

We carry an extensive supply of high-speed, top-quality bearings and do all value-add processes such as grind-chrome-grind operations, precision balancing and vibration monitoring in-house.

PDS stocks a wide range of new collet and automatic tool change spindles along with variable frequency drives, chillers, tool holders and commonly associated spindle accessories making us a one-stop shop for all robotic integrators. We have an online store that makes these purchases even easier.

PDS offers extensive engineering resources and commonly enhance OEM spindle designs for better product life and finish quality. Advanced engineering technology, industry leading response and customer service and a focus on value separates PDS from the competition. Dominate downtime and maximize production consistency with our automated spindle expertise.