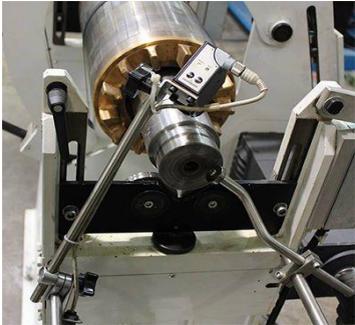


### 7 Simple Ways to Minimize Spindle Repair



Spindle repair services are critical to minimizing downtime and excessive repair costs. Replacing spindles, particularly custom-built tooling, can be costly for your manufacturing facility. Explore seven key processes you can implement with the help of Superior Spindle to maximize the lifetime and efficiency of your spindles and industrial machines.

#### 1. Routinely Test Spindle Pull Force

Measure the force of your spindles at least once every six months. A drawbar pull force test is an easy step for your team to perform, or you can with a qualified spindle repair team.

#### 2. Use Quality Lubrication

Review your lubrication procedure to see if you're using incorrect or insufficient lubrication on any spindle in your facility. Some manufacturers may recommend different lubrication features for similar spindles.

#### 3. Maintain Lubrication

Whether you are using an oil bath, air/oil system or another lubrication process, review the timing of lubrication application to avoid unnecessary wear.

#### 4. Monitor Vibration Levels

Excess vibration is a primary factor in both tool wear and manufacturing efficiency. Use an external vibration test or watch the internal vibration readings to see if your machine is operating with too much vibration.

#### 5. Always Use Machine Covers

Be sure to always replace covers immediately after performing an inspection or maintenance service to protect from dust & containment.

#### 6. Monitor & Maintain Spindle Cooling Systems

Some Spindles are equipped with chiller units. These systems are typically used in high-speed applications.

#### 7. Work with Certified Repair Technicians

At K+S Services, we offer certified spindle repair, replacement and rebuild services for your industry.