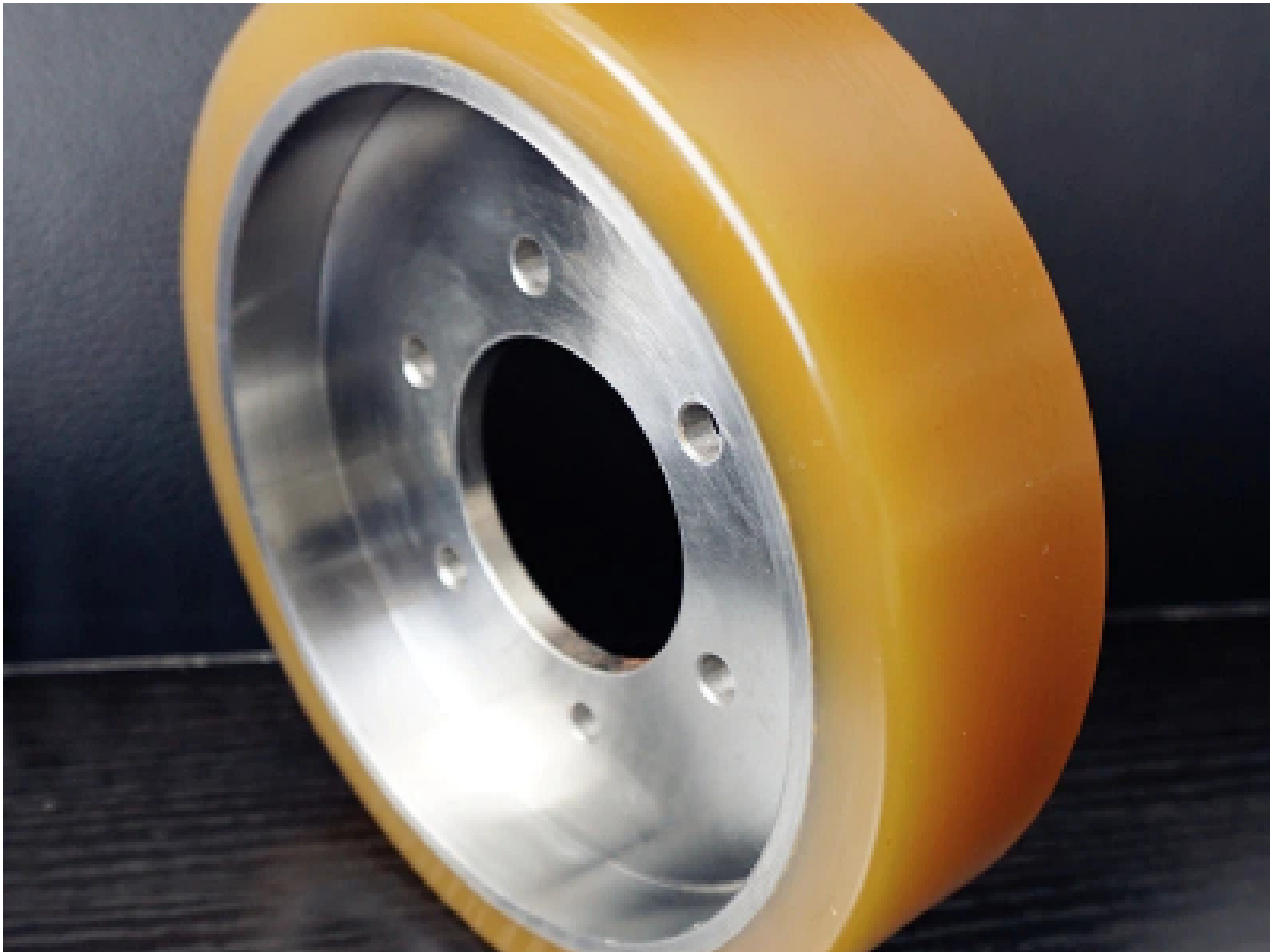

Polyurethane Wheel Relining for Cost-Effective Industrial Performance

Title	Polyurethane Wheel Relining for Cost-Effective Industrial Performance
Thumb	
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Description

In modern industry, polyurethane (PU) wheels are widely used for their excellent wear resistance, low noise, and high performance. Polyurethane wheels offer a more economical, sustainable, and high-performance alternative.



Why Choose Polyurethane Wheel Relining or Recoating?

- 1. **Cost Savings:** Refurbishing a wheel is typically 30-50% less expensive than purchasing a brand new wheel.
- 2. **Sustainability:** Reducing industrial waste and minimizing material consumption, supporting green manufacturing goals.
- 3. **Extended Service Life:** With high-quality recoating, a refurbished wheel can deliver performance comparable to a new one.
- 4. **Customization Options:** Relined wheels offer high performance to meet different application needs: static, oil-resistant, or high-temperature performance.

Key Factors in the Relining Process

While polyurethane recoating provides many benefits, maintaining quality and durability requires careful control at each step:

1. **Core Surface Preparation:** Remove old PU and oil to ensure strong bonding between the new polyurethane layer and the wheel core.
2. **Bond Strength:** Poorly prepared cores can cause delamination or peeling under heavy loads.
3. **Dimensional Accuracy:** Improper pouring or machining can lead to uneven wheel surfaces, affecting balance and performance.
4. **Material Quality:** Using premium polyurethane ensures superior wear resistance and prevents premature failure.

Philson's Commitment to Quality

At Philson, every refined polyurethane wheel is built to meet stringent industrial performance standards through:

- Premium Polyurethane Materials** - High-grade prepolymers and curing agents ensure superior wear resistance and load capacity.
- Advanced Processing** - Tires for exceptional adhesion are sandblasted, cleaned, and bonded using specialized primers.
- Precision Casting** - Perfect balance. Accurate molds and curing systems guarantee uniform coating thickness and perfect balance.
- Comprehensive Quality Testing** - Each wheel undergoes machining, hardness verification, and load testing to ensure consistent performance.

Extend Equipment Life, Reduce Costs, and Stay Sustainable

Philson's re-coating solution is the smart choice for industrial owners looking to extend equipment services that deliver new wheel performance at a fraction of the cost. Contact us.