



Reconditioned Precision Loadwheels

Why recondition your loadwheel?

- Tire slipping or walking
- Loadwheel has become smooth to the touch
- Excessive rubber compound build-up
- Repeatability and conicity out of specification

The symptoms above indicate your loadwheel should go through the resurfacing process. When ignored, these symptoms will cause a decrease in the accuracy and repeatability of your Uniformity machine, thus costing you valuable time and money.

Choosing Micro-Poise as your loadwheel reconditioning provider will result in many benefits. These benefits include:

- Reconditioning of Micro-Poise loadwheels; sizes include 8" to 21" + wide to original specifications
- .0006" Total Indicator Reading (T.I.R) maximum runout
- Exceeds S.A.E. J332A specifications
- Micro-Poise only uses high precision Class "0" bearings for all common size loadwheels
- Bearing replacement as needed
- Tungsten Carbide coated for long life





Reconditioning Process

Before recoating, an inspection occurs to ensure that it will meet SAE specification J332A for minimum diameter and that no other damage will prevent proper recoating. If recoating is unattainable, a representative will contact the customer for disposition.

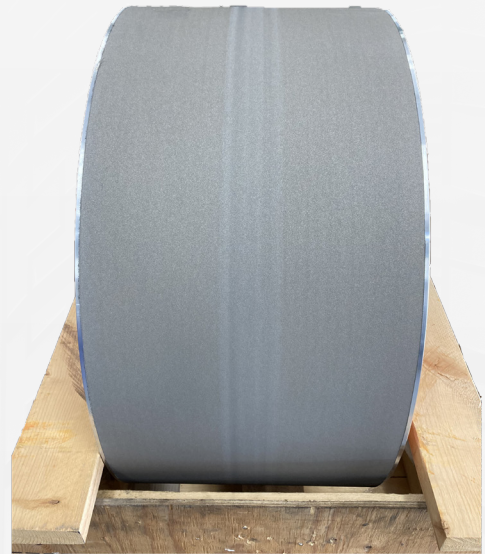
The bearings and shafts are removed, cleaned, and reassembled with the original shaft. Replacement bearings are available if necessary. The bearings are precisely adjusted to the minimum preload to allow faster loadwheel acceleration at initial tire contact. Adjusting the bearings to minimum preload effectively reduces rubber deposits on the loadwheel. The wheel is then finish-machined to size. Wheel spokes are painted orange/yellow if future recoating is feasible or white if this is the final recoat available.

Coating Process

The loadwheel is coated with long-life tungsten carbide using our proprietary process to a maximum runout of 0.0006" T.I.R. This coating process provides the most uniform coating coverage available in the industry and results in the tight runout specification we provide.



Worn Loadwheel



Reconditioned Loadwheel

With more than 100 years of innovation behind us,
we continue pushing leading-edge tire measurement systems forward.
Micro-Poise®. Better by every measure.

Reconditioned Loadwheel: 5/2023

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