

## Rollers for Bearings

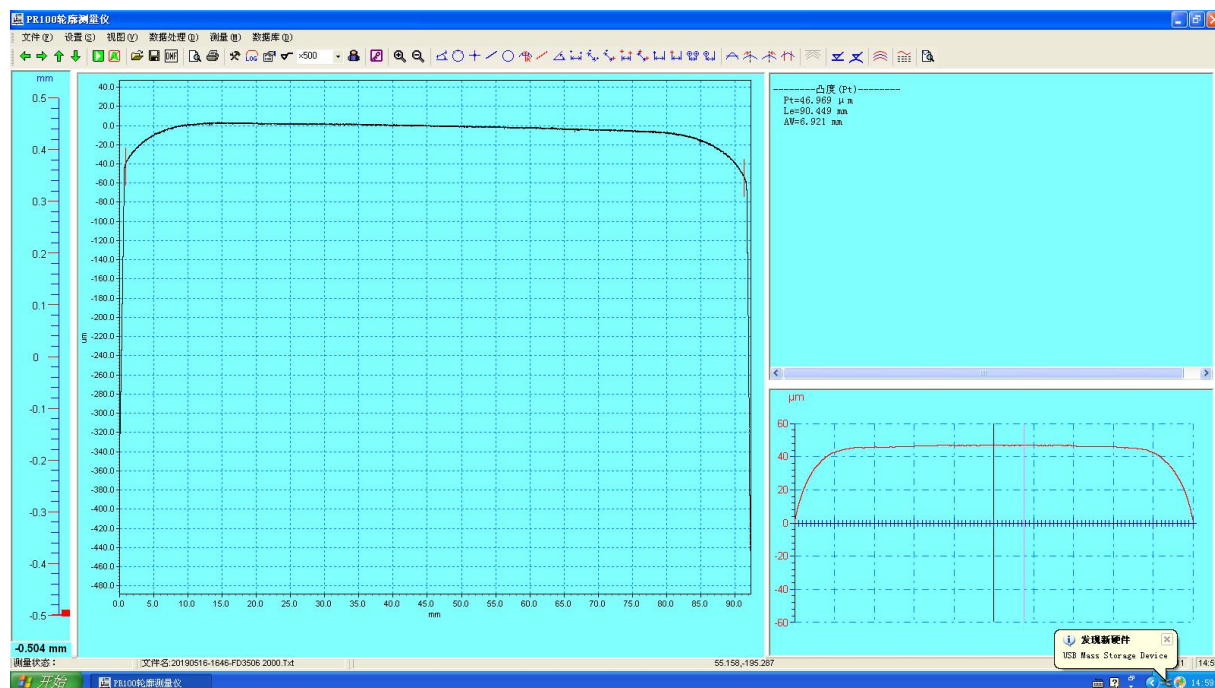
Type: Tapered Rollers; Cylindrical Rollers

Diameter Range: 10mm - 130mm;

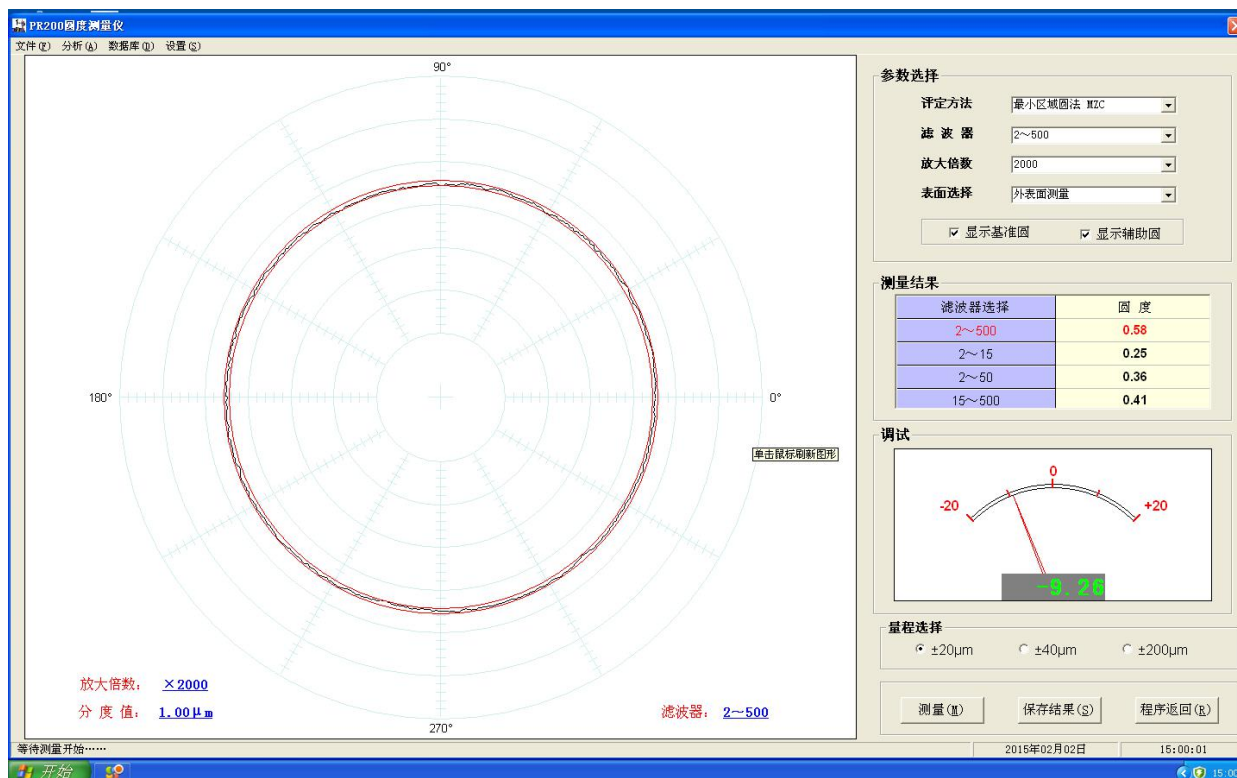
Advantage: With logarithmic curve; Super finished;

Precision Grade: Grade 1;

Material: 100Cr6/ GCr15, GCr15SiMn, G20Cr2Ni4A, 100CrMo7-4, Imported Timken Steel; Imported Ovako Steel;



Profile with Logarithmic Curve Profile



Roundness: 0.20μm

The tapered rollers produced by Tedin company has logarithmic curves. The logarithmic curve is the most ideal surface profiling of tapered rollers. Traditional tapered rollers often have two problems: the first is that the convexity of the roller is not guaranteed during the processing of super-finishing, especially when the convexity is high; the second, the divergence of the convexity is not easy to control. The contact mode between each roller and the bearing raceway is not uniform, especially in the high speed working condition, which will affect the accuracy and service life of the bearing. By adjusting the equipment and tooling, we can directly and accurately process the logarithmic curve required in the grinding process, which can ensure that the rollers' convexity divergence is very small, and the super-finishing process mainly improves the surface profiling and roughness.

The runout of the roller's end face is a very important technical factor, and its size directly determines the rotation accuracy of the bearing, which is more obvious in the tapered roller bearings. The base surface runout tolerance of tapered rollers through traditional processing method will be very large. Through the modification of the equipment and tooling, we can make the roller base and guide surface completely fit together, then, when grinding the base surface of the roller, and it will not produce runout and yaw difference, so that the roller base surface can be guided with high accuracy, and the roller base surface runout tolerance is better.



**LUOYANG TEDIN BEARING CO., LTD.**

Tel: 0086-136-63889399;

Email: [sales@tedin-bearing.com](mailto:sales@tedin-bearing.com);

Homepage: [www.tedin-bearing.com](http://www.tedin-bearing.com);

---

**Quality Inspection Reports we can offer for our customers:**

1. Material Certificate
2. Chemical Composition Inspection Report
3. Hardness, Case-hardened depth, Microstructure, Cleanliness,
4. Heat-Treatment Report
5. Dimension Inspection Report
6. Profile Inspection Report
7. Raceway Roughness Inspection Report
8. Spherical Datum Plane Roughness Inspection Results
9. Spherical Datum Plane Roughness Inspection Results
10. Roundness Inspection Result
11. NDT Inspection Report - UT & MT Test Report
12. Burning Test Report

Note: We can offer inspection reports according to customer's requirement.





**LUOYANG TEDIN BEARING CO., LTD.**

Tel: 0086-136-63889399;

Email: [sales@tedin-bearing.com](mailto:sales@tedin-bearing.com);

Homepage: [www.tedin-bearing.com](http://www.tedin-bearing.com);

**Company pictures:**



**Company / Factory**



**R&D Center**

**Address: High-tech Zone, Luoyang, Henan, China**



**LUOYANG TEDIN BEARING CO., LTD.**

**Tel: 0086-136-63889399;**

**Email: [sales@tedin-bearing.com](mailto:sales@tedin-bearing.com);**

**Homepage: [www.tedin-bearing.com](http://www.tedin-bearing.com);**

## Producing-Line:



**Address: High-tech Zone, Luoyang, Henan, China**





**LUOYANG TEDIN BEARING CO., LTD.**

Tel: 0086-136-63889399;

Email: [sales@tedin-bearing.com](mailto:sales@tedin-bearing.com);

Homepage: [www.tedin-bearing.com](http://www.tedin-bearing.com);



Producing Line of bearing rollers



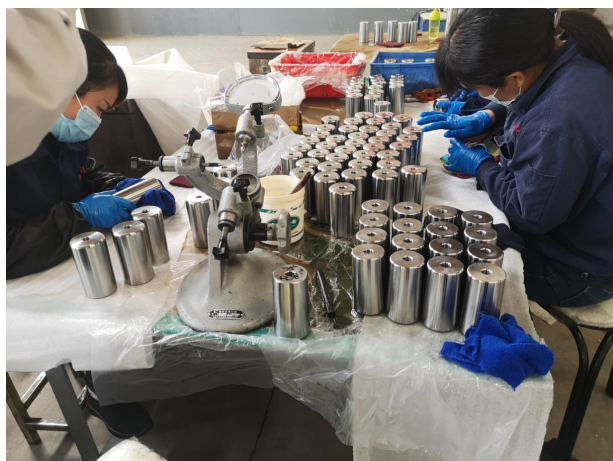
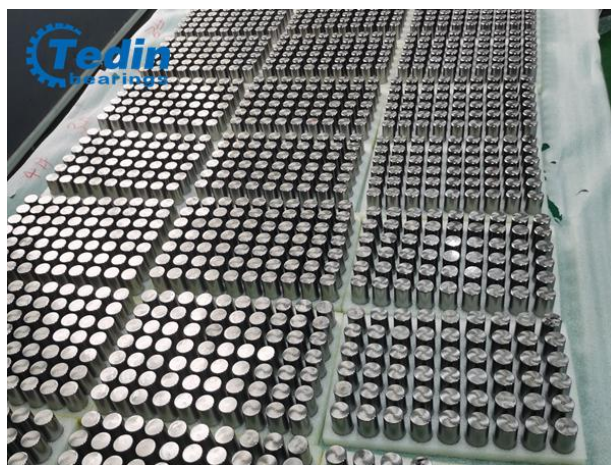
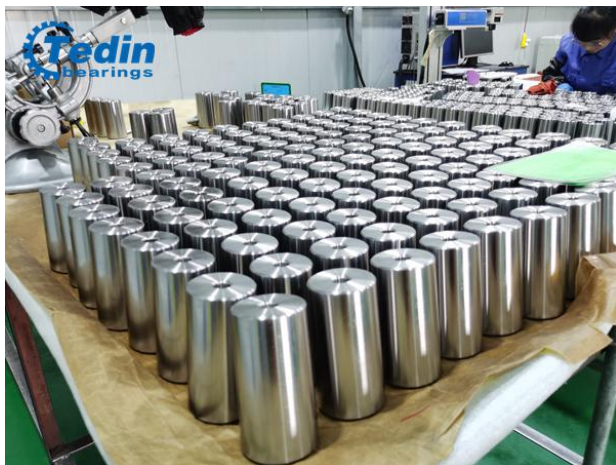


**LUOYANG TEDIN BEARING CO., LTD.**

Tel: 0086-136-63889399;

Email: [sales@tedin-bearing.com](mailto:sales@tedin-bearing.com);

Homepage: [www.tedin-bearing.com](http://www.tedin-bearing.com);



**Address: High-tech Zone, Luoyang, Henan, China**





**Tapered rollers for Wind Turbine Bearings**

### **Test Equipments:**

**High Precision Altimeter**



**Hardness Measuring Meter**







Roundness  
Measuring  
Meter



Profile  
Measuring  
Meter

Welcome to contact us and visit our factory!

**LUOYANG TEDIN BEARING CO., LTD.**