

Course 2: Precision Bearings for Machine Tools

Period: 3 hours

Number of participants: Unlimited

Fee: Free of charge

Details:

1. Introduction to Precision Bearings

- *CNC & Machine Tools Evolution*
- *Type & Feature of Precision Bearings for Machine Tools*
- *Precision Bearings Selection*
- *Bearings Life Calculation*

2. Identifying Numbers of Rolling Bearings

- *Prefix & Suffix of Precision Bearings*
- *Interchangeable of Precision Bearings*

3. Bearing Lubrication

- *Type & Lubricating Selection for Precision Bearings*
- *Purpose of Lubrication & Lubricating Methods*
- *Lubricating Selection*
- *Grease Life Calculation & Replenishing Interval*
- *Oil Replacement Intervals*

4. Bearing Handling & Maintenance

- *Bearing Mounting & Dismounting*
- *Preload Setting for Precision Bearings*
- *Bearing Cleaning*
- *Bearing Storage*
- *Case Study of Precision Bearings failure and Countermeasure*