

You hold a practical guide about working with bearings in your hands. As an example illustrated is how to machine lathe live centers, but the knowhow offered here will also help one to machine spindles, model engines, toys, tools, etc. Featured are small and medium size machines such as Sherline, UNIMAT SL DB, UNIMAT 3, Craftsman, and China Import Lathes including new lathes and vintage models. Described are standard designs and standard sizes as well as specialty tools such as “spring live centers” and “revolving adapters” used on metal lathes. Numerous drawings and shop photos are included.

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Bearings and Live Center

Machining Lathe Live Center A Practical Guide

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LatheCity

Safely Working with Benchtop Systems

Booklet 5 – Bearings and Live Center – Machining Lathe Live Center – A Practical Guide

Featuring Sherline / UNIMAT SL DB / UNIMAT 3 / Craftsman / China Import Lathes

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Synopsis

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Author

Uwe Burghaus, born in West Berlin, Germany, obtained his education in Physics and Physical Chemistry at the Free University of Berlin. He obtained a PhD in 1995, after conducting his graduate studies in surface science at the Fritz-Haber Institute of the Max Planck Society in Berlin. After postdoctoral positions in Genoa (Italy) and Santa Barbara (USA) he went back to Germany to complete a habilitation (German tenure) in Physical Chemistry. Now at North Dakota State University, he started to establish a surface chemistry group in 2003 and obtained tenure in 2009. His group is currently focusing on studies about nanostructured catalysts. He is not a professional machinist by training. However, in 2012 his hobby developed into a small part-time business. LatheCity sells currently books about metal working including software tools as well as accessories for mills and lathes: everything that’s fun to make and may find customers. The strength of the business is custom designed/ customized tools.

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Figure acknowledgement