

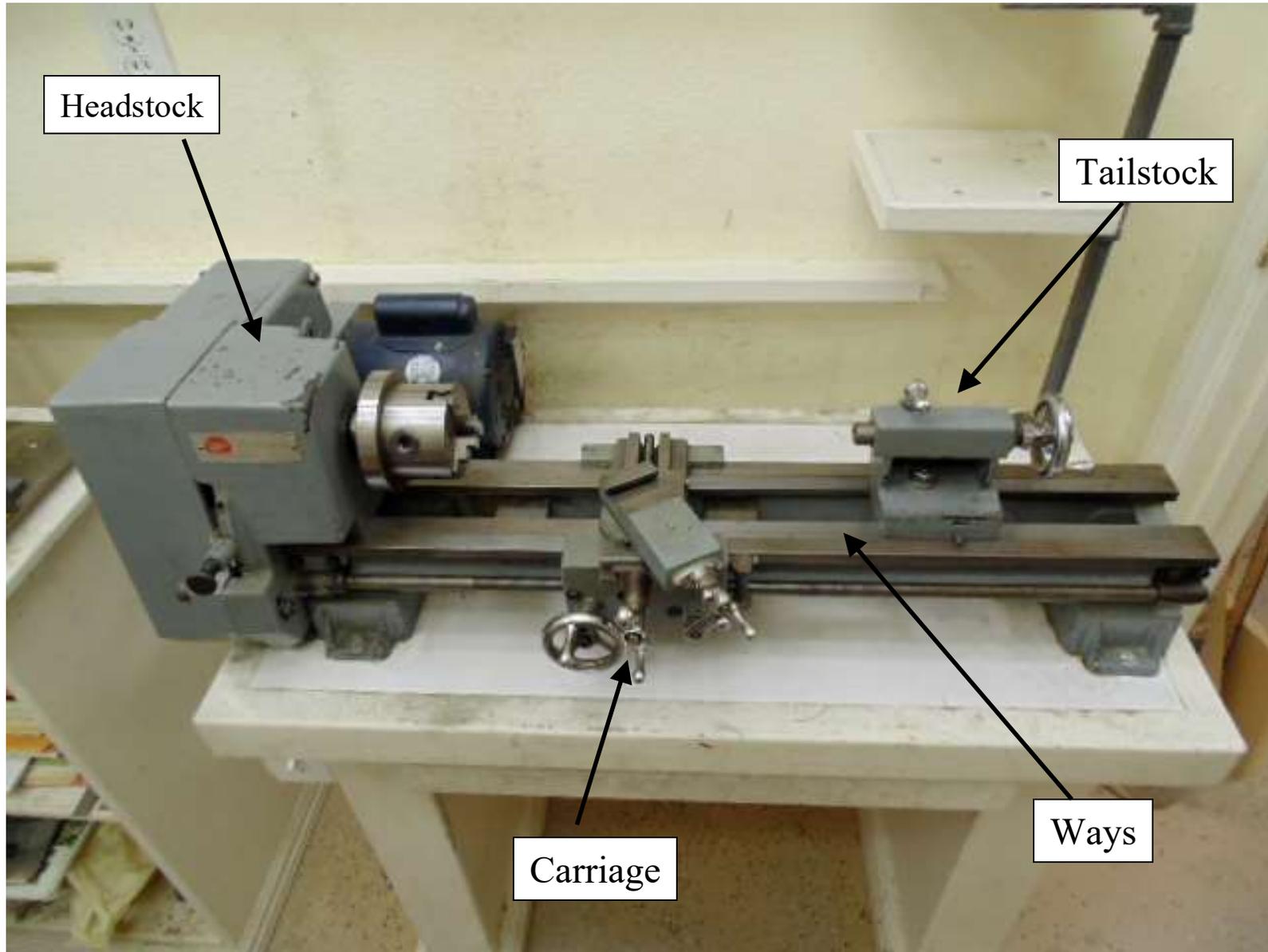
Intro to the Metal Lathe

Bob And Andy Sorenson

Objectives

- General Overview
- Major Sub-Assemblies
- Lathe Specifications
- Attachments
- Cutting Tools
- Measuring Tools
- Popular Models

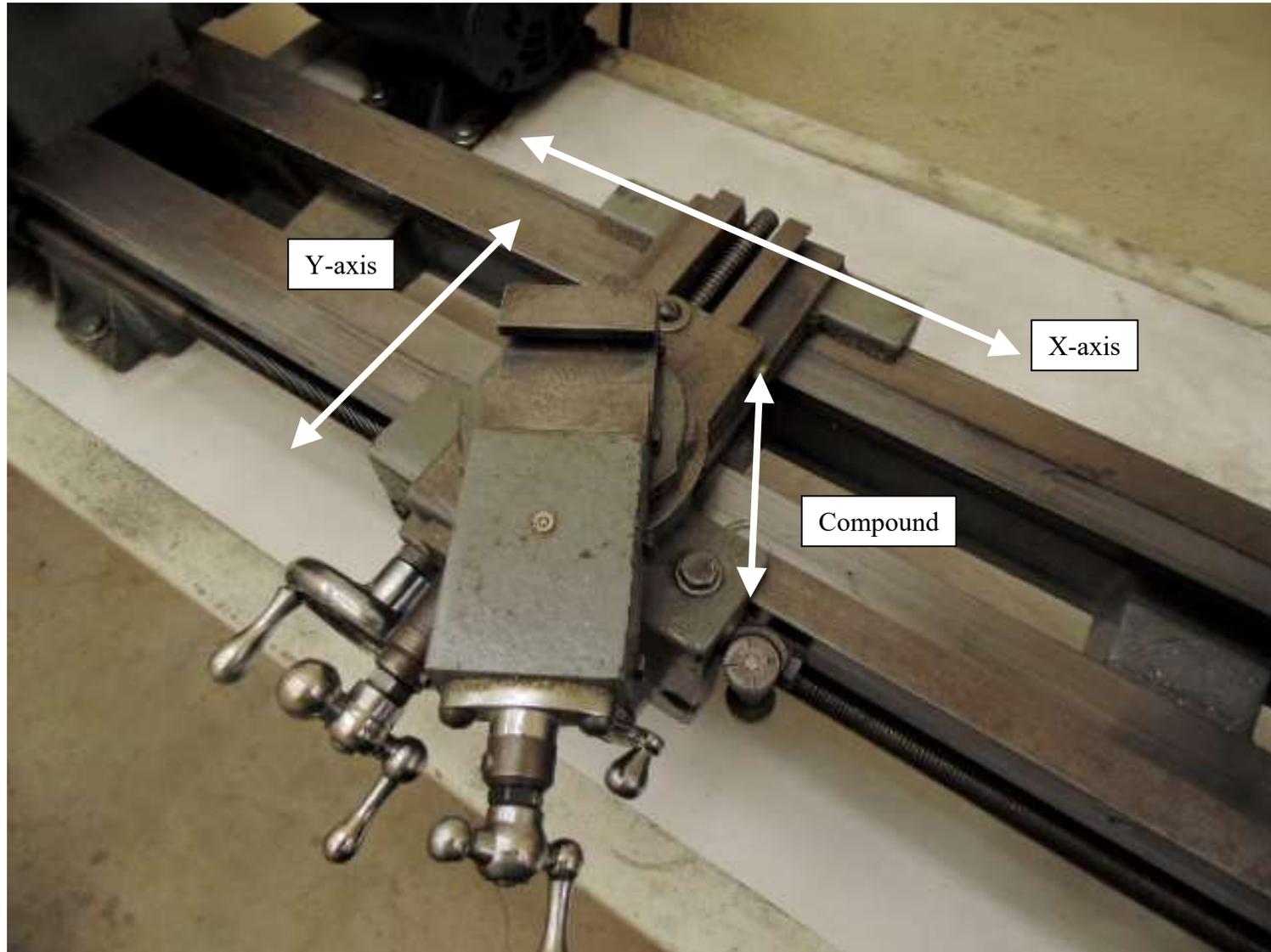
General Overview



Headstock



Carriage



Tailstock

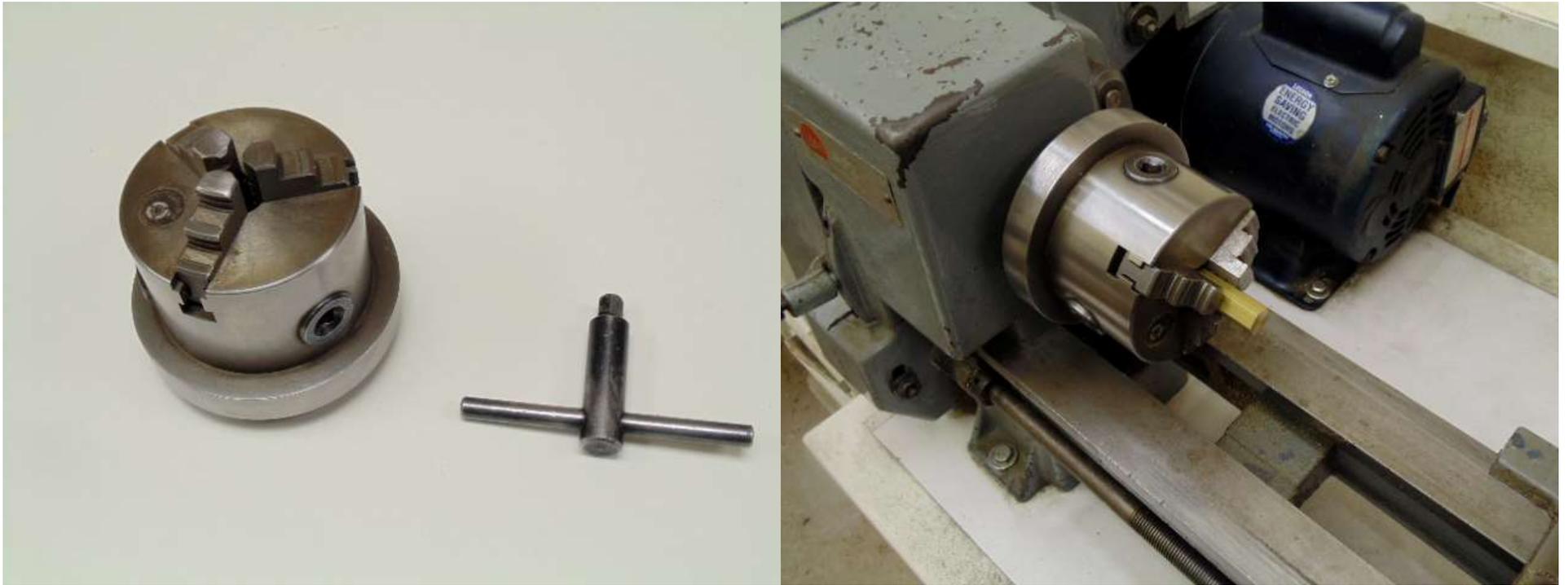


Ways



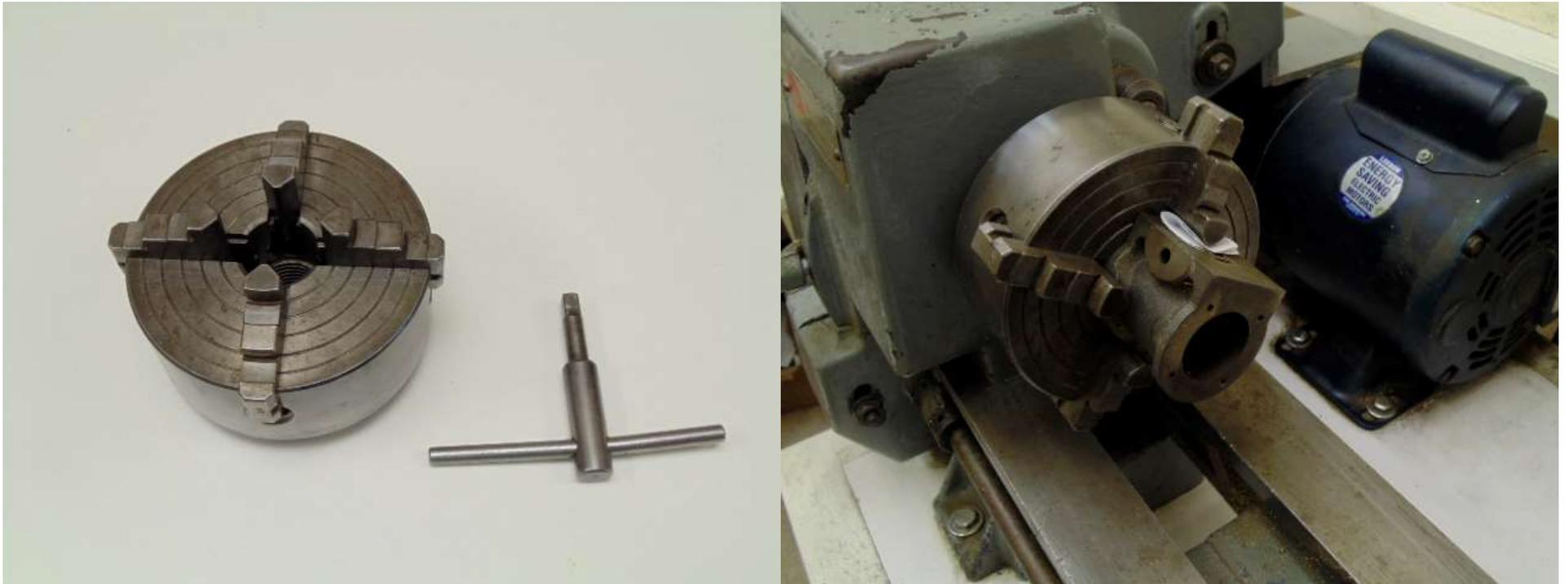
Headstock Attachments

3 Jaw Self-Centering Chuck



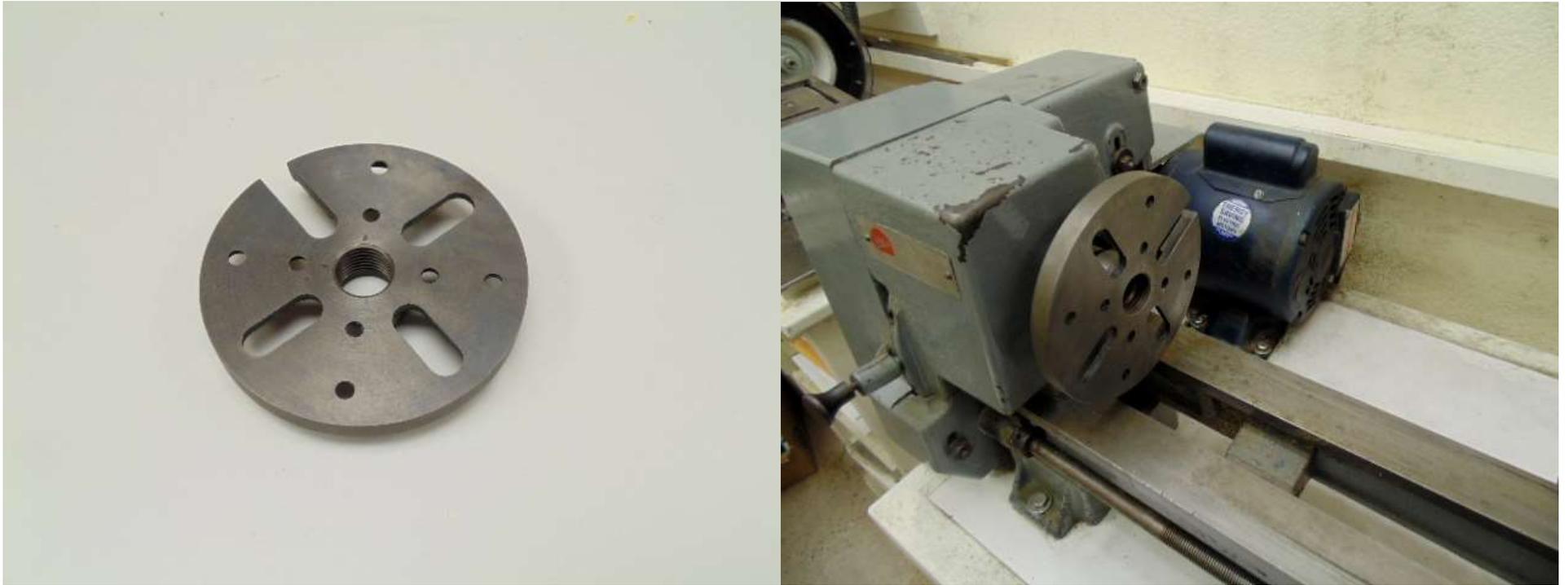
Headstock Attachments

4 Jaw Independent Chuck



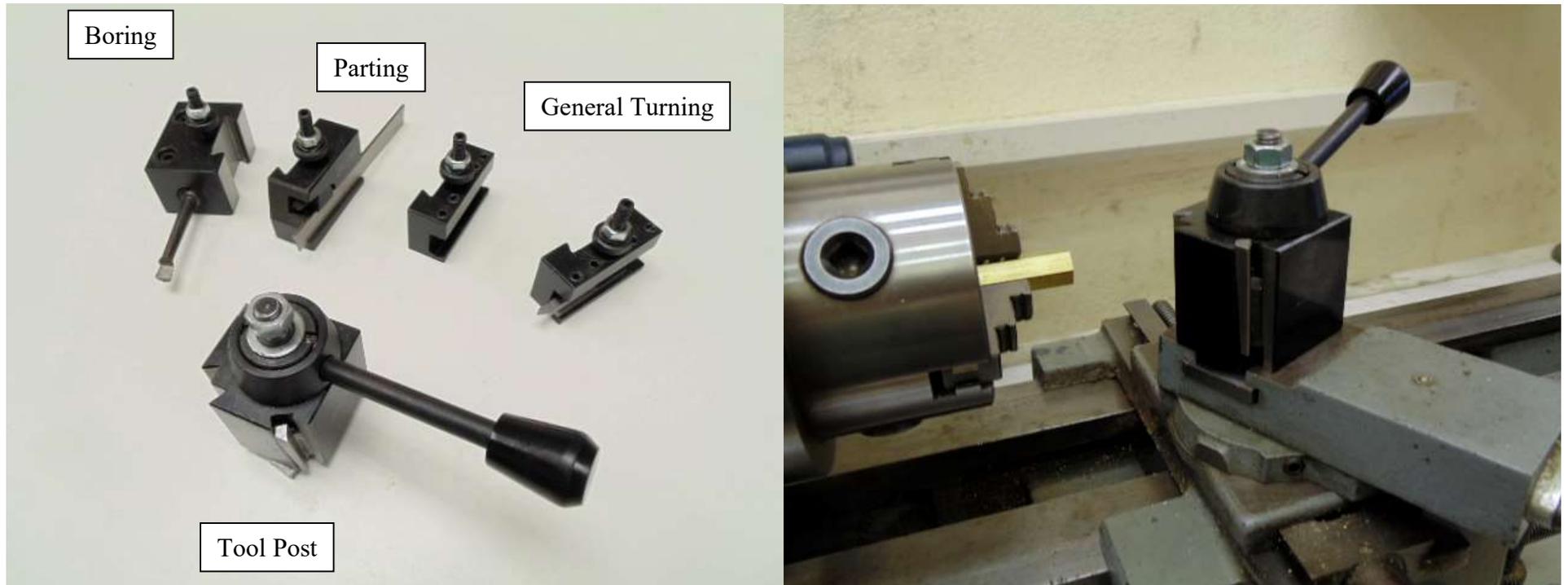
Headstock Attachments

Faceplate



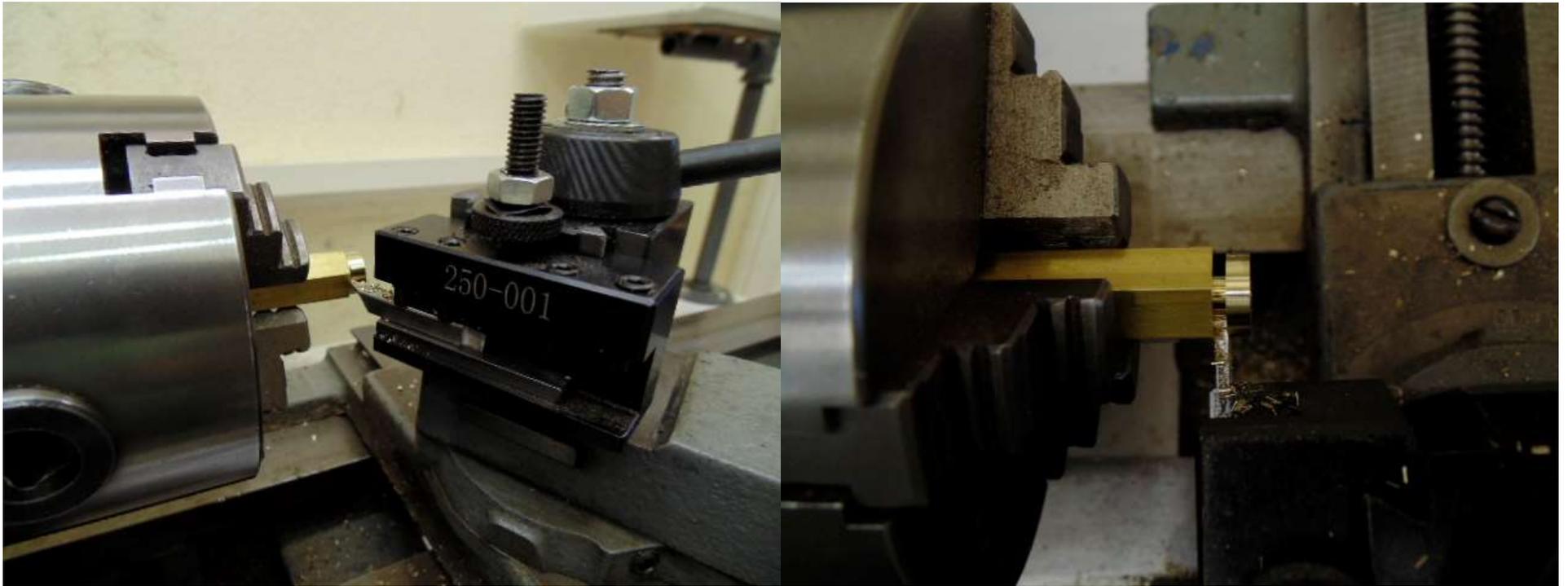
Carriage Attachments

Quick Change Tool Post



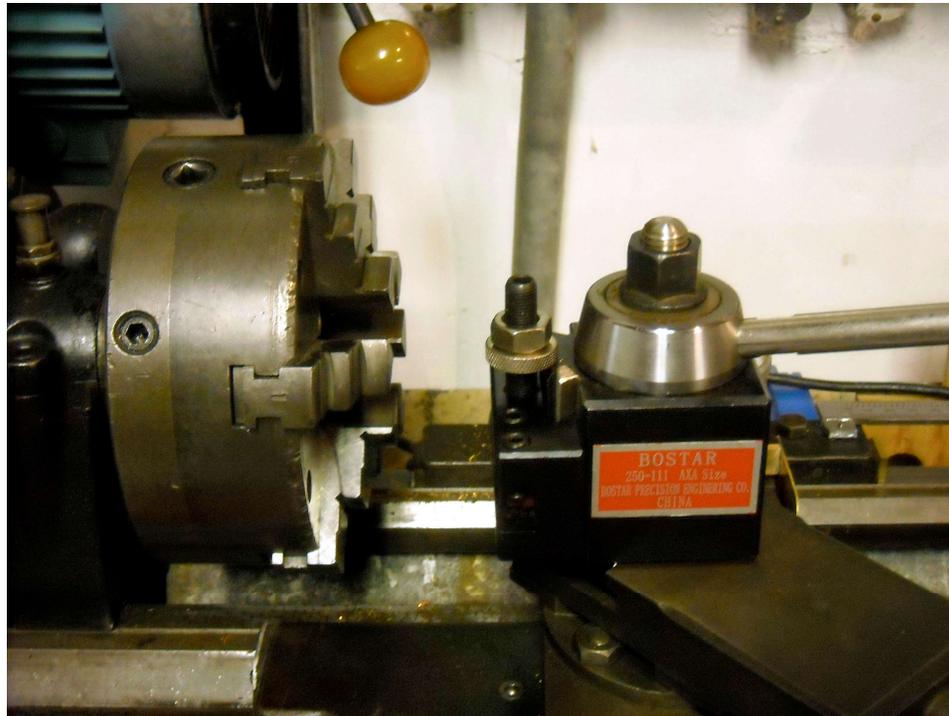
Carriage Attachments

Quick Change Tool Post



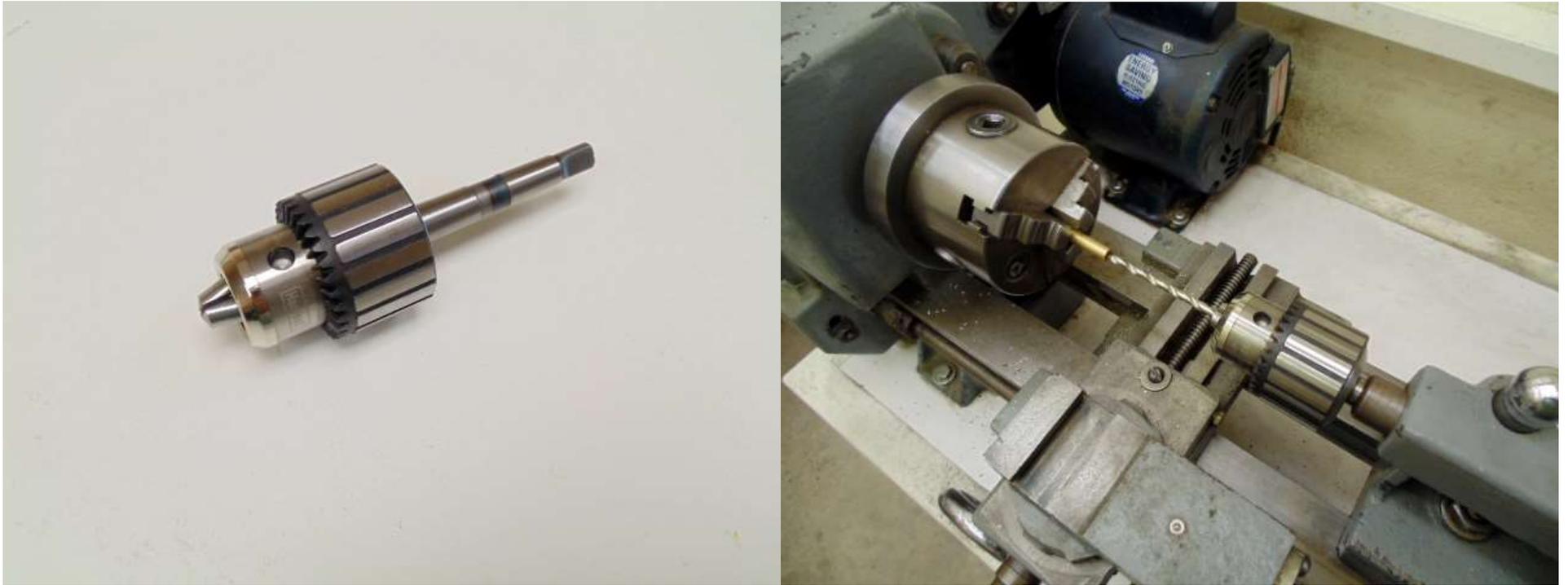
Carriage Attachments

Quick Change Tool Post



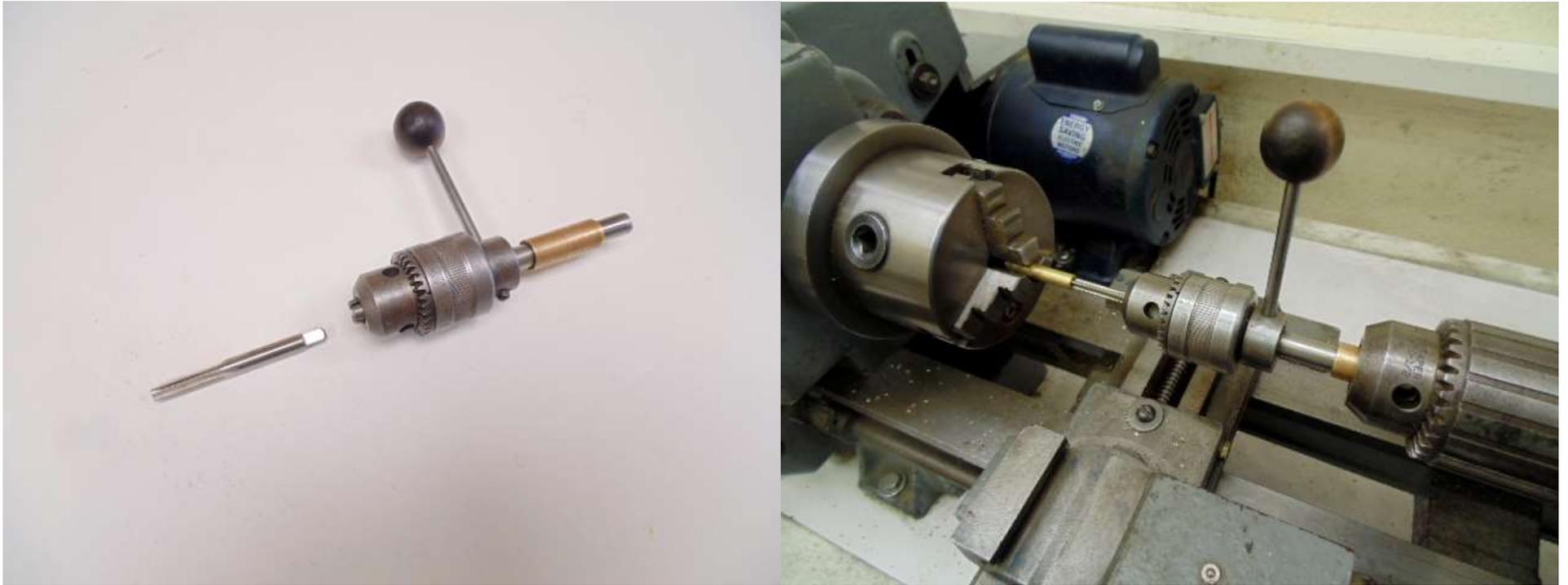
Tailstock Attachments

Drill Chuck



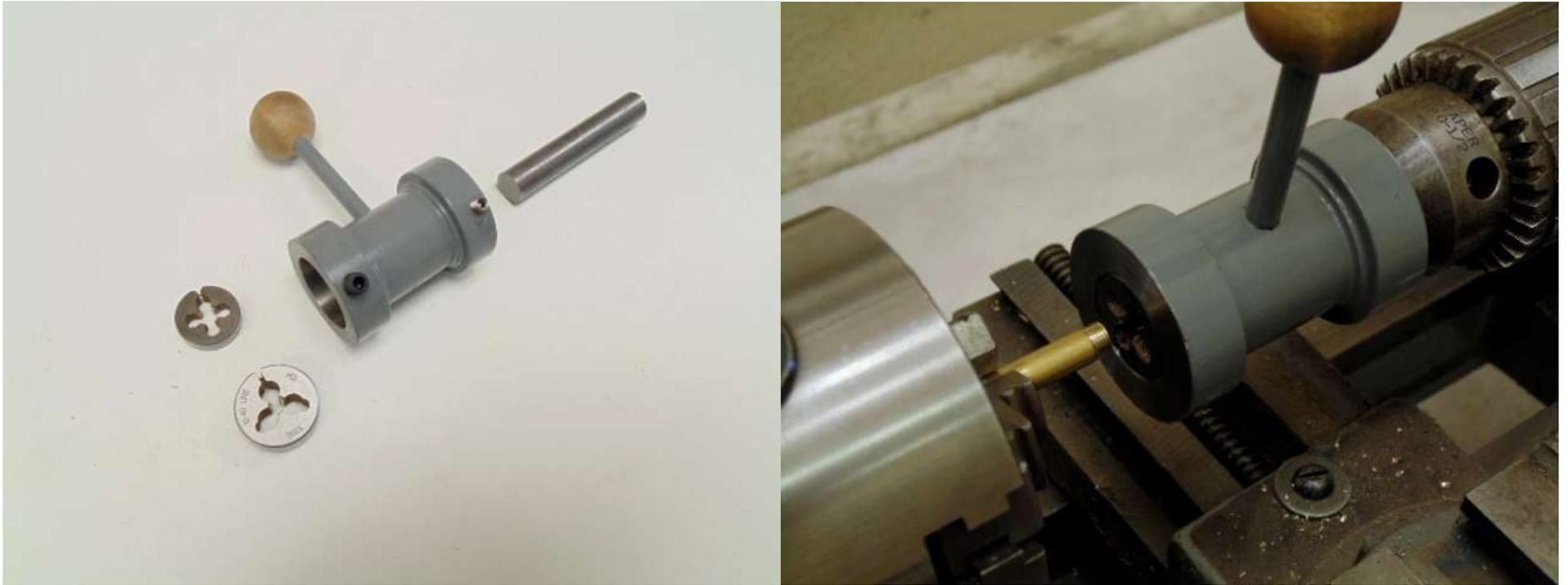
Tailstock Attachments

Tap Handle



Tailstock Attachments

Die Stock



Tailstock Attachments

Live Center



Measuring Tools



Other Stuff



Popular Models

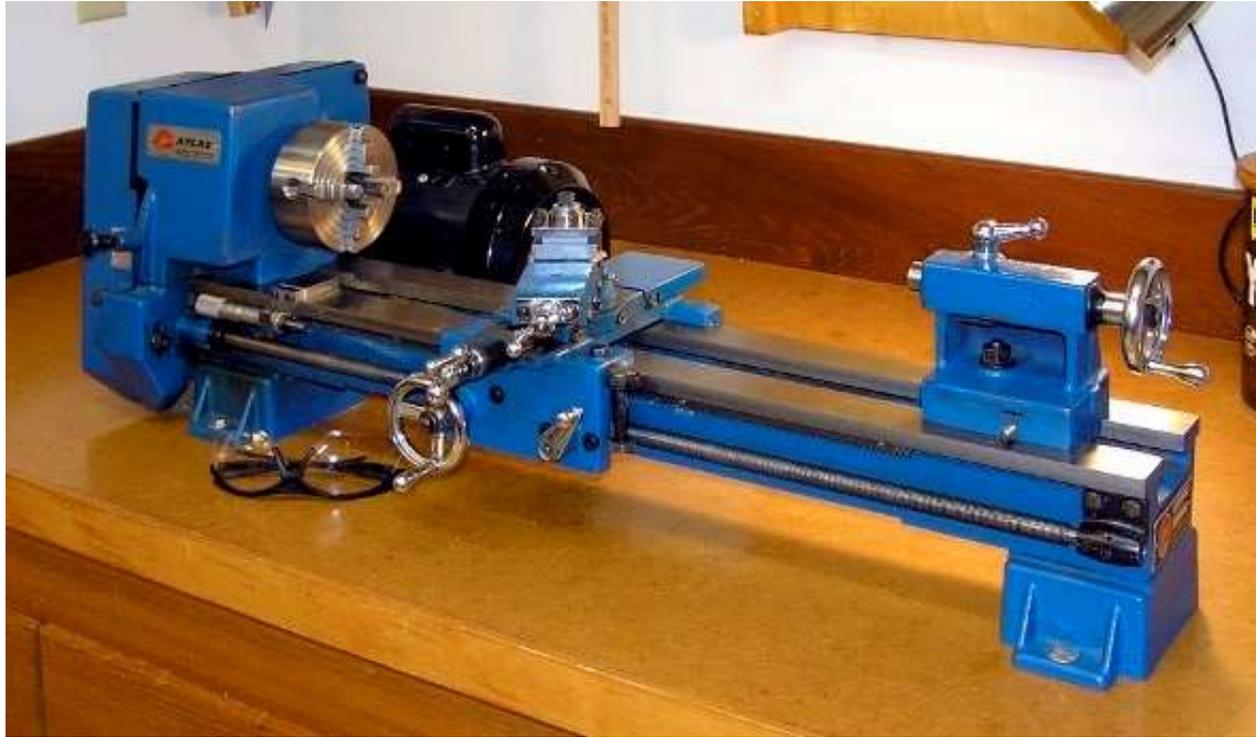
7 x 14 Import



Swing over bed	7"
Between centers	14" or 16"
Spindle bore	.787"
Tailstock spindle	2MT
Spindle nose	Integral backing plate
Sold by	Grizzly, Micromark, Harbor Freight

Popular Models

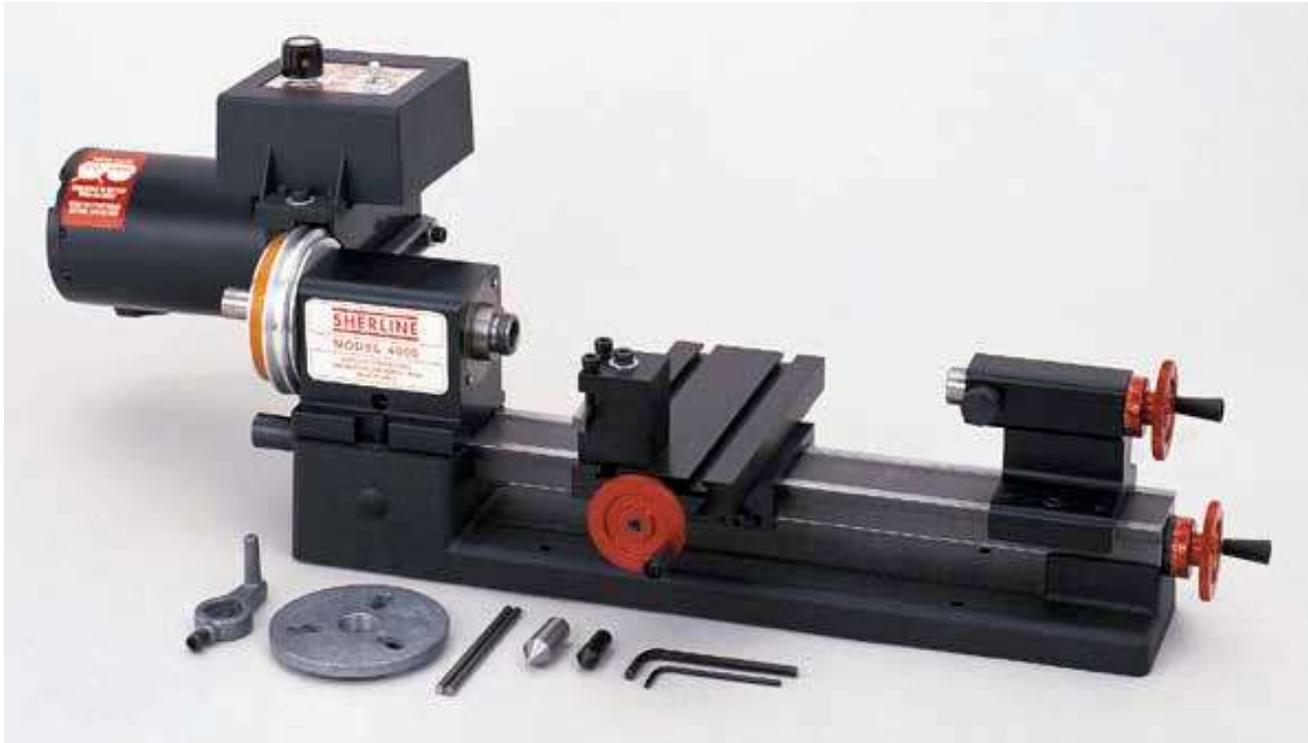
Atlas/Craftsman 6"



Swing over bed	6"
Between centers	16"
Spindle bore	.500
Tailstock spindle	1MT
Spindle nose	1 x 10 TPI
Sold by	Out of production, Used

Popular Models

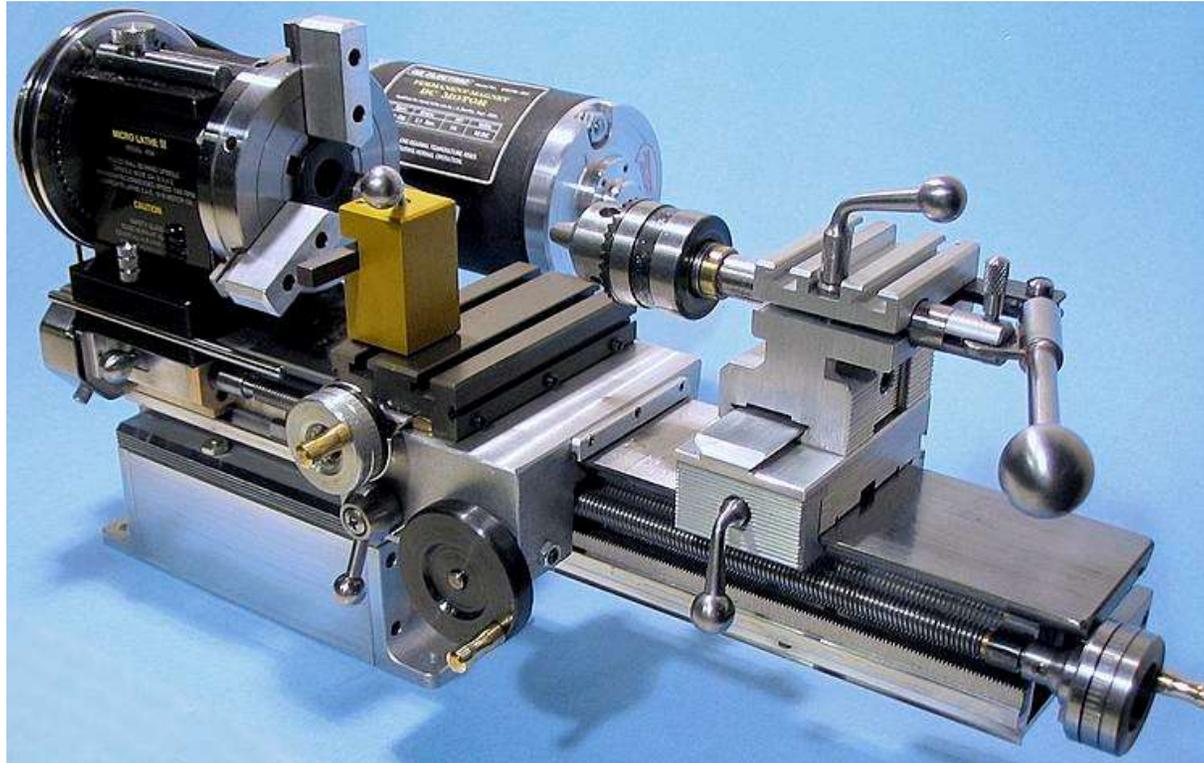
Sherline



Swing over bed	3.5"
Between centers	8" or 17"
Spindle bore	.405"
Tailstock spindle	OMT
Spindle nose	3/4 x 16 TPI
Sold by	www.Sherline.com

Popular Models

Taig



Swing over bed	4.5"
Between centers	9.75"
Spindle bore	.343"
Tailstock spindle	3/8 x 24 TPI
Spindle nose	3/4 x 16 TPI
Sold by	www.taigtools.com

Questions???