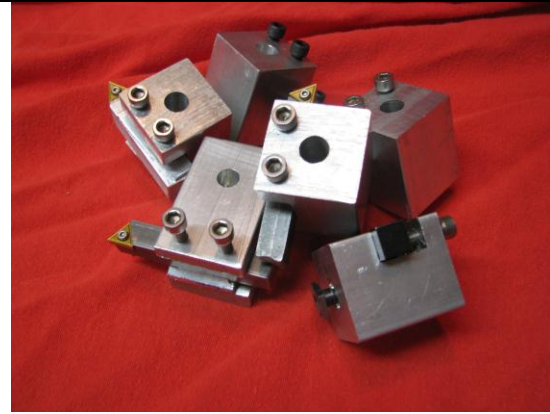


A few project images



Tool posts



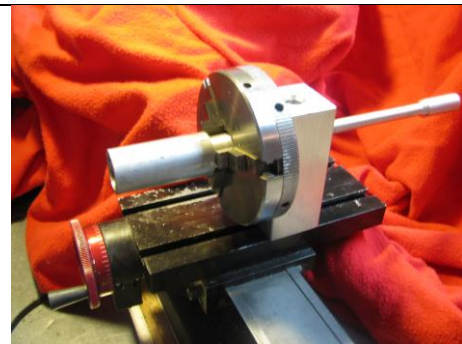
Lathe cutting tools



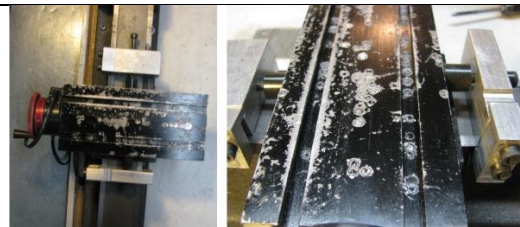
Artwork projects – earrings



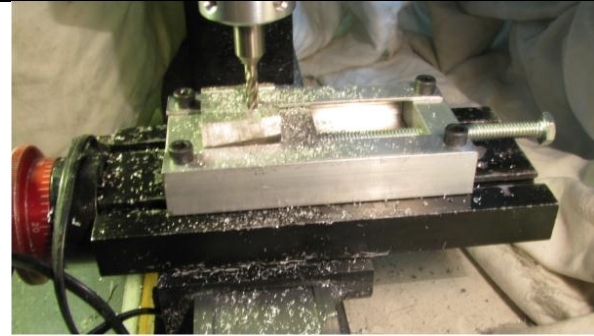
Drill stops



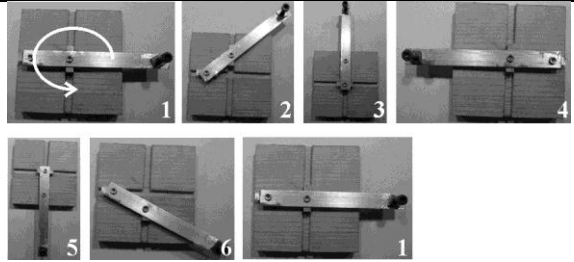
Indexing tools



Dovetail lathe stop / mill lock



Zero budget, zero effort mill vise



Dovetail toy



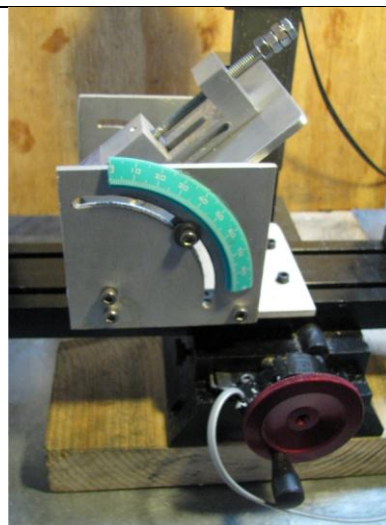
Miniature plane mill vise



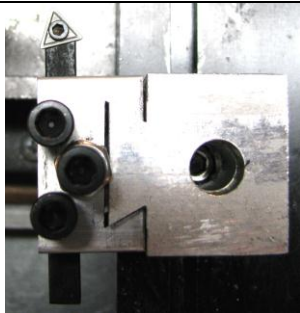
Playing with a rotary table



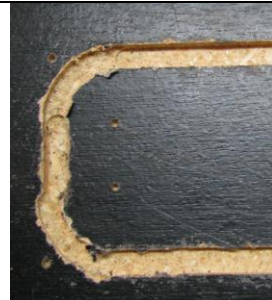
Swiveled base for the self-made vise – working with a rotary table



Machining a tilt table



Fast tool change system



Keyways with rounded corners – flanges

## Project list

	page	level, time (min)	required tools						
			swiveled vise	end mill	fly cutter	dovetail / T-slot cutter	boring drilling	rotary table	tilt table
turning tools	119	++, 30	X	X					
chuck storage rack	116	+, 30		X					
low budget mill vise	129	+, 30					X		
hole punch	164	++, 60					X		
lathe lock	55	+, 60					X		
drill stops	117	+, 15		X			X		
adjustable gibs plate	136	+, 10				X			
machinist jack	82	+, 10		X			X		
lathe tool posts	49, 113	++, 20		X			X		
kids (?) toy	144	+, 60		X		/x	X		
angle plate	83, 192			X			X		
dovetail lathe stop / mill lock	150	+++ , 90		X	X	(X)	X		(X)
indexing chuck holder	164	++, 60					X		
plane mill vise	156	+++ , 120		X	X		X		
tilt table	176	++, 120		X			X	X	
fast tool change system	139	++, 120		X		X	X		(x)
swiveled base	172	++, 60		X			X	X	
handwheel (lathe work)	207	+, 10					X		
monster mill vise	191	+++ , 60			X		X		
flange	179	++, 20		X				X	

The “++” indicate the difficulty level (from + simple to ++++ difficult) which is certainly a matter of taste and depends also on the tooling at hand. The time estimates may be somewhat optimistic and assume advanced machining skills. (x) indicates that options exist in regard of the required tooling.

LatheCity

Safely Working with Benchtop Systems IV

**Volume 4 – Tabletop Milling**

ISBN-10: 0985136057

ISBN-13: 978-0-9851360-5-5

US Registered copyright: will be inserted

Publisher and author:

Dr. Uwe Burghaus

4465 47th St S

Fargo, ND 58104

USA

**Copyright © 2012 by the author Uwe Burghaus, Fargo, North Dakota, USA**

No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means except as permitted by the United States Copyright Act, without prior written permission of the author.