

The Finest Machine Tools

IL - (630) 321-1500

WI - (262) 789-1600



Did You Know? Shortcuts on Citizen & Miyano Lathes

There are "shortcuts" on Citizen & Miyano controls that can make the lives of programmers and operators easier. This Tech Tip will cover machine axes in Manual Mode, radii & chamfer comma features, addition & subtraction functions, and program synchronization.

Axes in Manual Mode: New to swiss lathes? Not sure which axis is which or the direction it moves? Manual Mode provides an image of the machine axes (below) and indicates which direction is positive or negative.

Handle Feed 0				2305	CommentRFS-BOSS-G3-G42-IJ	
Axis	MC COORD	Operation Ra	peration Range		Axis Feed Direction	
X1	9.96045	-0.07874 -	10.03937			
Z1	5.07088	-0.01969 -	8.09055			
Y1	1.24524	-0.03936 -	26.18110	0 1000		
X2	24.88182	-0.07874 -	24.96063			
Z2	0.00002	-0.03937 -	8.11024			
Y2	0.00039	-4.80315 -	0.07874			

Tricky workpiece? Send our engineers a challenge here

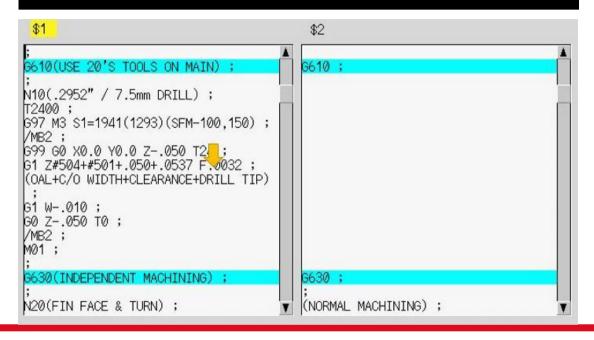
Radii & Chamfer Commas: When programming radii and chamfers, add ',R' or ',C' to a linear line of code for the desired feature. The code below - with a

.008"cr insert - would produce a .018" radius at the end of the Z.500 line: • G1 Z.500 F.004,R.010

Addition & Subtraction Functions: Save time and perform arithmetic within your program. The code below shows an adjustment to a diameter that may be cutting differently than programmed due to tool pressure:

• G1 X.500+.002 F.004 - G1 Z.500 F.004 - G1 X.600 F.004

Synced Program Operations: While in EDIT mode, press "SYN DISPLAY" and the control will sync all machining patterns and wait codes. The code below shows that while N10 operation is completed on Channel 1, nothing is happening on Channel 2.



Miss our Last Tech Tips? Click Below!

