

The background of the image shows a close-up of several drill bits of different sizes and types, organized in a black holder. The bits are arranged in rows, with some in sharp focus and others blurred in the background. The lighting is bright, highlighting the metallic surfaces of the drill bits.

# ***Mastercam***<sup>®</sup>

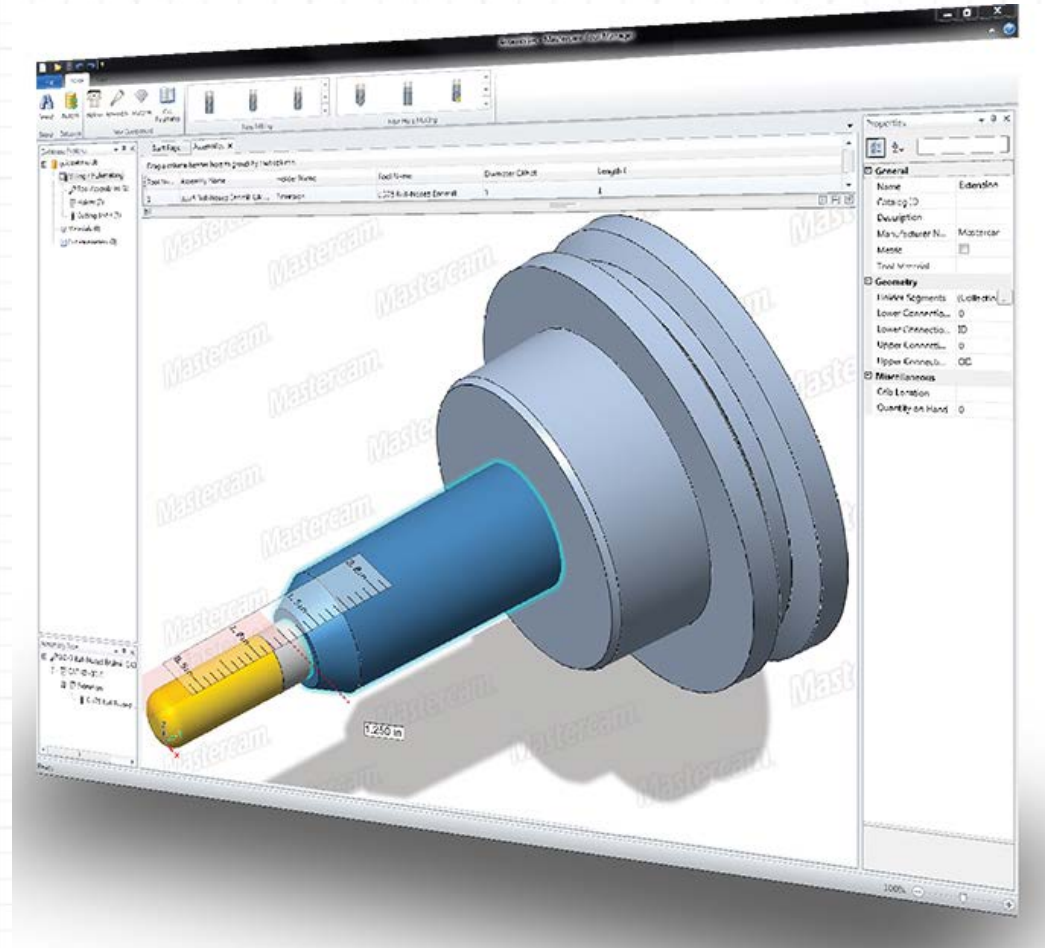
## ***Tool Manager***

Sam Garofolo



# Overview

- Easily create any tool from scratch, or imported from a file.
- Easily build holders and assemblies
- Up-to-date tool libraries and cut parameters maintained by the tool manufacturers





# Interface

- Tool manager runs independently of Mastercam
- Can drag files from one tool manager to another tool manager





# Creating Assemblies

- Choose Tool
- Choose tool holder
- Select how far tool protrudes from holder
- Save assembly







# Searching Proven Parameters

- Some tool manufacturers have supplied their proven feeds and speeds
- The search page can be accessed from the tool manager or from Mastercam's tool page

The screenshot shows the Mastercam Search window. The search criteria are as follows:

Search Item	Condition	Value
Material ISO Group	=	N - Aluminum, Copper, and Non-Metalic
Maximum Diameter	=	.5
Minimum Diameter	=	.5

The results table shows the following data:

Name	Description	Material ISO Gr...	Operation Type	Tool Type	Tool Grade	Manufacturer N...	Surface Speed	Feed Per Tooth	Cut Source	Proven
0.5 Diameter H35AL-2 For Group N Materials	Cast Aluminum... For tools <= Re... ADOC = 1D RDOC = 1D	N - Aluminum,...					900	0.0034	Manufacturer	<input checked="" type="checkbox"/>
0.5 Diameter H35AL-2 For Group N Materials	Cast Aluminum... For tools <= Re... ADOC = 1.5D RDOC = 0.5D For tools > Reg...	N - Aluminum,...					900	0.0045	Manufacturer	<input checked="" type="checkbox"/>

Results 99

C:\Users\Public\Documents\shared mcamx7\mill\Tools\HelicalSolutions.tooldb



# Importing .DXF Files

- **Must follow ISO 13399 standard**
- Tool should be created along the Y+, X+ axis'
- All cutting geometry needs to be placed on a level called "cut"
- All non-cutting geometry needs to be placed on level called "no cut"
- This geometry must overlap
- Many tool vendors have made their downloadable tools ISO 13399 compliant



# For More Information...

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