

# Mastercam X<sup>4</sup>

## QUICK REFERENCE CARD

Icon	Function	Keyboard Shortcut	Icon	Function	Keyboard Shortcut
	Analyze entities	F4		Mastercam version, SIM serial number	Alt+V
	AutoSave	Alt+A		Motion controller rotation point	Alt+F12
	C-Hook or user app	Alt+C		Pan	Arrow keys
	Configure Mastercam	Alt+F8		Paste from clipboard	Ctrl+V
	Copy to clipboard	Ctrl+C		Previous view	Alt+P
	Cut to clipboard	Ctrl+X		Redo an event that has been undone	Ctrl+Y
	Delete	F5		Regenerate screen	Shift+Ctrl+R
	Drafting global options	Alt+D		Repaint	F3
	Exit Mastercam	Alt+F4		Rotate	Alt+Arrow keys
	Fit geometry to screen	Alt+F1		Select all	Ctrl+A
	Gview-Back	Alt+3		Selection grid options	Alt+G
	Gview-Bottom	Alt+4		Shading on/off	Alt+S
	Gview-Front	Alt+2		Show/hide all axes (WCS, Cplane, Tplane)	Alt+F9
	Gview-Isometric	Alt+7		Show/hide coordinate axes	F9
	Gview-Left	Alt+6		Show/hide displayed toolpaths	Alt+T
	Gview-Previous	Alt+P		Show/hide Operations Manager pane	Alt+O
	Gview-Right	Alt+5		Undo the last creation or event	Alt+U, Ctrl+U, Ctrl+Z
	Gview-Top	Alt+1		Unzoom to 80% of original	Alt+F2
	Help	Alt+H		Unzoom to previous or 50% of original	F2
	Hide entities	Alt+E		Zoom around target point	Ctrl+F1
	Level Manager	Alt+Z		Zoom with window selection	F1
	Main attributes, set from entity	Alt+X		Zoom/unzoom by 5%	Page Up, Page Down

### Customizing Mastercam

#### ► Create your own keyboard shortcuts.

Choose **Settings > Key mapping**.

- Save sets of shortcuts to different key map files (.KMP).
- Open .KMP files in any text editor.

#### ► Change toolbar layouts.

Choose **Settings > Customize**.

- Name sets of toolbars and save them to different toolbar files (.MTB).
- Choose **Toolbar States** to hide or display toolbars.

#### ► Customize the right-click menu.

Choose **Settings > Customize > Dropdowns/Right mouse button** to add your own functions (.MTB file).

#### ► Use drop-down menus.

Choose **Settings > Customize > Dropdowns** tab to add drop-down menus to toolbars.



# Mastercam Reference Guide

**Mark Steyvers**

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

## **Mastercam Reference Guide:**

Mastercam X5 Training Guide - Mill 2D&3D ,2010      *Mastercam Instructor Guide X2* Mariana Lendel,2006      **Diesel Engine Reference Book** Leslie Ronald C. Lilly,1984      Newnes Engineer's Reference Book Frederick James Camm,1956

Evolutionary Design and Manufacture I.C. Parmee,2012-12-06 The fourth evolutionary adaptive computing conference at the University of Plymouth again explores the utility of various evolutionary adaptive search algorithms and complementary computational intelligence techniques within design and manufacturing The content of the following chapters represents a selection of the diverse set of papers presented at the conference that relate to both engineering design and also to more general design areas This expansion has been the result of a conscious effort to recognise generic problem areas and complementary research across a wide range of design and manufacture activity There has been a major increase in both research into and utilisation of evolutionary and adaptive systems within the last two years This is reflected in the establishment of major annual joint US genetic and evolutionary computing conferences and the introduction of a large number of events relating to the application of these technologies in specific fields The Plymouth conference remains a long standing event both as ACDM and as the earlier ACEDC series The conference maintains its policy of single stream presentation and associated poster and demonstrator sessions The event retains the support of several UK Engineering Institutions and is now recognised by the International Society for Genetic and Evolutionary Computation as a mainstream event It continues to attract an international audience of leading researchers and practitioners in the field      **Applications of Design for Manufacturing** Samir Botros Billatos,Byoung Sung Kim,1998 Comprises nine contributions which explore the tools and methodologies of DFM The contributions look at methods of design and manufacturing that have to be incorporated to effectively utilize resources and enhance competitiveness in the marketplace Specific topics include designing machine tools t      *A Commands Guide Tutorial for SolidWorks 2007* David C. Planchard,Marie P. Planchard,2007      **Subject Guide to Books in Print** ,2001      **Forthcoming Books** Rose Arny,2001-08      **Die Design Handbook** American Society of Tool and Manufacturing Engineers,1955      *Transactions of the North American Manufacturing Research Institution of SME.* ,1991      *Tech Directions* ,1994      **Proceedings** ,2001      *THE Journal* ,1992-08      **Mastercam Version 7.0 Lathe Reference Manual** ,1998      *Human Resource* ,1995      **Mastercam Post Processor User Guide** C N C Software, Incorporated,1997-09-01      **Product Engineering** ,1960 Vol for 1955 includes an issue with title Product design handbook issue 1956 Product design digest issue 1957 Design digest issue      Wood & Wood Products ,1990      *American Machinist* ,1908

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