




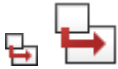


































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File

Original	New	Command
		New
		Open
		Insert
		Save
		Input NC
		Input CAD
		Output NC
		Output CAD
		Select Post
		List NC Code
		Clear Memory
		Configure
M		Parametric Macro
		Printer/Plotter
		Print Preview


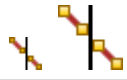














Edit

Original	New	Command
		Undo
		Delete
		Change
		Group
		UnGroup

Move, Copy, etc.

Original	New	Command
		Move
		Copy
		Repeat
		Rotate
		Array
		Mirror
		Scale
		Stretch
		Skew









Break, Join, etc.











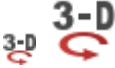















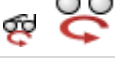
Original	New	Command
		Break
		Trim
		Explode
		Join
		Extend
		Fillet
		Chamfer
		Offset

Start, Order











Original	New	Command
		Start Pt
		First
		Order




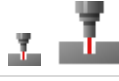











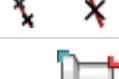

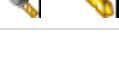
View

Original	New	Command
		Zoom All
		Zoom Window
		Zoom Previous
		Zoom Out













		Zoom In
		Zoom Limits
		Pan
		Refresh
		Display Options
3D		3D Views
		3D Surface Verification
		Shading
		Simulation
		Solid Simulation
		Close Simulation
		Set Limits
		Background Color
		Reverse View

















Display Options

Original	New	Command
		Show Ghost Tools
		Show Ghost Tools (Laser)
		Show Tools
		Show Tools (Lathe)
		Material Cut






















		Material Cut (Lathe)
		Material Cut (Laser)
		Show Both Sides (Lathe)
		Single Step
		Draw Rapids
		Draw Tool Holder
		Draw Tool Holder as Wireframe
		Draw Solid as Wireframe
		Draw Materials and Fixtures as Solids
		Draw Part as Solid (Lathe)
		Show Breaks
		Show Sync Points (Lathe)
		Show Tool Angles



Views

Original	New	Command
		XY
		YZ
		XZ
		Iso
		Horizontal Iso 1
		Horizontal Iso 2


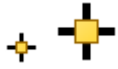



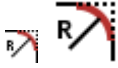





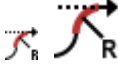

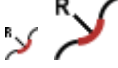






		Front
		Back
		Left
		Right
		Top
		Bottom
		Normal to Work Plane
		Work Plane

Geometry











Original	New	Command
		Edit/List Geometry
		Construction
		Line
		Arc
		Circle
		Rectangle
		Digitize
		Text
		Edit Text
		Splines
		3D Polyline

		3D Surfaces
---	---	-------------















APS Fast Geometry

Original	New	Command
		Point
		Known Arc
		Line to Line Blend
		Line to Line Chamfer
		Line to Arc
		Arc to Line
		Arc to Arc
		Delete Last
		Finish
		Close and Finish















Arc

Original	New	Command
		Start + Second + End
		2 Points + Radius
		2 Points + Center
		Start + Center + Angle
		Tangent to Line/Arc + End



Circle


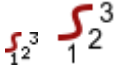




Original	New	Command
		Center + Diameter
		Center + Radius
		Center + Point
		2 Points
		3 Points
		Tangent, Radius Unknown
		Tangent, Known Radius

Special Geometry






























Original	New	Command
		Polygon
		Ellipse
		Bolt Hole Circle
		Involute Curve
		Slot
		Equi-Spaced Holes
		Enclosing Rectangle



Splines

Original	New	Command
		Create Spline
		Edit Spline


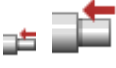
























		Order Spline
		Reverse Spline
		Convert Spline to Lines/Arcs

3D

Original	New	Command
		Select Part (Lathe)
		Select Billet (Lathe)
		Set Work Volume
		Set Work Plane Origin
		Work Plane Properties
		Cancel Current Plane
		Set Sub-Spindle Shift (Lathe)
		Specify Panel
		Show Panel Edges
		Set Geometry Z Levels
		Edit Geometry Z Levels Point by Point
		Set Materials
		Reverse Tool Side
		Edit 3D Polyline
		3D Project
		Wrap onto Surface



		Create Section
---	---	----------------

Select Work Plane































Original	New	Command
		Conventional 2-Axis Turning (Lathe)
		2-Axis Turning (Sub-Spindle) (Lathe)
		Developed Side View (Lathe)
		Slice Through Work Volume (Lathe)
		Slice Work Volume
		2 Lines for X and Y Axes
		Existing Geometry
		Parallel to Current Plane
		Reverse Current Plane
		As Current Plane, Different Origin
		Create Work Plane from Solid Face
		By Name
		Best Fit Plane Through Points

Select Panel Edge

Original	New	Command
		Top
		Front
		Right

























		Back
		Left

Solid Model Extraction















Original	New	Command
		Automatic Extraction
		Drillable Hole Extraction
		Hole Chamfer Extraction
		Contour from Picked Edges
		Contour Around Picked Faces
		Contour Through the Current Work Plane
		Surface from Faces
		Projected Face Outlines to Work Plane
		Z Level Section
		3D Edge Extraction
		Edges from Face Outlines
		Profiles from Extended Edges
		Configure
		Extract Solid Body Outlines
		Spun Outline Extraction


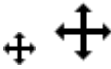




Solid Model Utilities

Original	New	Command
----------	-----	---------

















		Offset Faces
		Cap Holes
		Create Bounding Work Volume
		Remove Contours Defined as Holes
		Reset Geometry Z Levels
		Set View Down Normal
		Align Part
		Auto Align Part
		Set Face Color
		Paint Face
		Face/Edge/Point Details
		Body Check Report

Utils



Original	New	Command
		Distance/Angle
		Report Coordinates
		Radius of
		Set Snap/Ortho
		Auto-Snap
		Nesting
		Area Estimate

		Ortho Mode
		Snap to Grid Mode
		Add-Ins







Snaps







Original	New	Command
		Snap to Endpoint
		Snap to Midpoint
		Snap to Arc Center
		Snap to Intersection
		Snap Tangent to
		Snap Perpendicular to
		Snap Parallel to
		Snap to Arc/Circle Quadrant

Special Functions





















Original	New	Command
		Auto-Close Contours

VBA Macros









Original	New	Command
		Macros
		New VBA Project
		Open VBA Project




































		Open VBA Post for Editing
		VBA Editor
		Help Alphacam API






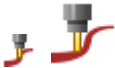





















CAD

Original	New	Command
		Dimensions
		Hatch
		Magnify
		User Layers
		APS Layers
		Set Line Type
		Edit Line Type
		Move Dimension
		Hide Parts
		Show All







Machine



















Original	New	Command
		Select Material
		Select Material (Lathe)
		Set Tool Change Pos (Lathe)
		Select Tool

		Select Tool (Lathe)
		Select Nozzle (Laser)
		Tool Directions
		Cut Directions (Laser)
		Set/Unset Open Elements
		Cut 2-Axis Shapes (Wire)
		Cut 4-Axis Shapes (Wire)
		Cut with Disk (Stone)
		Cut Shape (Stone)
		Rough/Finish
		Pocketing
		3D Engraving
		Cut Holes (Stone)
		Cut Holes Auto Z (Stone)
		Manual Tool Path
		Sawing
		Set Element Saw Angle
		Cut Between 2 Geometries
		Cut Between 2 Contours (Laser)
		Polishing (Stone)
		Cut Path (Laser)









		Clear Area (Laser)
		Pierce/Cut Holes (Laser)
		Cut Spline or Polyline
		3D Surface Machining
		3D Solid Machining
		Lead-In/Out
		Lead-In/Out (Laser)
		3D Lead-In/Out
		Edit Operations
		Update Tool Paths
		Go to Tool Change Pos (Lathe)
		Define Tool
		Define Nozzle (Laser)
		Define Threads (Lathe)
		Insert Program Stop (Wire)
		Delete Program Stop (Wire)

Machine Configuration







Original	New	Command
		Open Machine
		Save Machine
		Clear Machine

		Set Default Machine
		Reset Default Machine
		Machine Configuration
		Define Machine Component
		Set Tool Home Position
		Define Axes
		Set Safe Area
		Move Part
		Rotate Part



















Clamps, Fixtures

Original	New	Command
		Define Clamps/Fixtures
		Move Clamps/Fixtures
		Set Initial Positions
		Edit Clamps/Fixtures

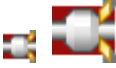



Drill/Machine Holes

Original	New	Command
		Drill/Tap Holes
		Drill/Tap Holes Auto Z
		Machine Holes





Conventional Turning (Lathe)

Original	New	Command
		Facing
		Roughing
		Pocketing
		Finishing
		Grooving
		Threading
		C/L Drilling
		C/L Tapping
		Part-Off








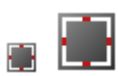






















Twin Turret (Lathe)

Original	New	Command
		Balanced Roughing
		Balanced Finishing
		Insert Sync Point
		Delete Sync Point







C-Axis Machining (Lathe)

Original	New	Command
		Rotate Y-Axis Work Area
		Set Work Area for Y-Axis


Edit Machining

Original	New	Command
		Tool Path Data
		Tool Path Data
		Adjust Rapids
		Add Support Tags
		Remove Support Tags
		Edit Feed Rate
		Edit Feed Rate (Laser)
		Edit Z Point by Point
		Edit Tool Angle
		Edit Tool Angle (Laser)
		Edit 5-Axis Tool Path
		Edit 5-Axis Tool Path (Laser)
		Tool Axis Conversion
		Reverse Tool Path
		Reverse Tool Path (Laser)













Styles


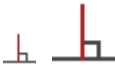



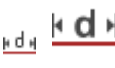

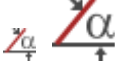
























Original	New	Command
		Apply Style to Selected Geometries
		Apply Style to Assigned Layer
		Apply Style to Selected Layer
		Edit Style
		Assign Layer for Geometries
		Create Layers for Style

User Defined Code

Original	New	Command
P		Pre-defined
D		Direct Input
U		User Cycle


Constraints






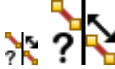






















Original	New	Command
		Fix
		Horizontal
		Vertical
		Length
		Radius
		Coincident

		Perpendicular
		Tangent
		Distance
		Angle
		Equal Radius
		Equal Length
		Parallel
		Concentric
		Midpoint
		Create Element Set
		Drag
		Constrain Z Levels
		Constrain Work Plane
		Auto Constrain
		Edit Variables
		New Parameter
		New Equation











Add-Ins











































SysMacro


































Original	New	Command
		Open Drawing Template

		Save Drawing Template
		Common Line Removal
		Break at Distance
		Extend by Distance
		Line Properties
		Parametric Rules
		Work Plane by Polyline Vector
		Face Milling
		Helical Milling
		Multiple Rough/Finish
		OpenPocket
		Thread Milling
		Trochoidal Pocketing
		Trochoidal Rough/Finish


StartUp
































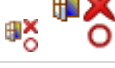









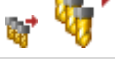
Original	New	Command
		Advanced Rotate
		Auto Cutout
		AutoStyle – New
		AutoStyle – Edit
		AutoStyle – Apply























		Auto Set Work Volume
		Auto Set Work Volume on Input CAD
		Break at Element Endpoints
		Convert Geometry to 3D Polyline
		Corner Drill
		Auto Set Material
		Drawing Notes
		Explode Visible Operations
		Fast Work Volume
		Select Standard Plane – Top (Fast Work Volume)
		Select Standard Plane – Front (Fast Work Volume)
		Select Standard Plane – Right (Fast Work Volume)
		Select Standard Plane – Back (Fast Work Volume)
		Select Standard Plane – Left (Fast Work Volume)
		Fill Area with Holes
		Linear Order
		Quick Nest Geometries
		Nesting Toolbar – Nest Part
		Nesting Toolbar – Nest Information
		Nesting Toolbar – Create Nest List
		Nesting Toolbar – Save Offcut

		Nesting Toolbar – Open Nest List
		Nesting Toolbar – Sheet Database
		5 Axis Toolpath From Polylines
		Relief Cut
		Saw... (Saw from Flat Tool)
		Scale Geometry Z Levels
		Shower Base Machining
		Styles-Tools Sync
		Wine Rack
		Face Milling (Router/Stone)
		Helical Milling (Router/Stone)
		Multiple Rough/Finish (Router/Stone)
		OpenPocket (Router/Stone)
		Thread Milling (Router/Stone)
		Trochoidal Pocketing (Router/Stone)
		Trochoidal Rough/Finish (Router/Stone)
		Load VBA Add-In Toolbar Button
		Convert Raster to Vector





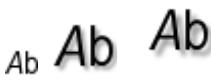




StartUp - APP


























Original	New	Command
		Multidrill

		Multidill – Clear Existing Multidill Operations
		Multidill – Re-Multidill
		Multidill – Assign Bit Types to Geometries
		Multidill – Help
		Multidill – About
		Alphaedit Toolbar – Launch Alphaedit
		Alphaedit Toolbar – Open Active Post
		Alphaedit Toolbar – Alphaedit API Help
		Alphaedit Toolbar – Alphaedit Help
		Time Study
		Boring Along 2D Line
		Apply Style Horizontally Along 2D Line
		CAD to CAM
		CAD to CAM – Options
		CAD to CAM – Set Multidill Holes for APM
		CAD to CAM – Unset Multidill Holes for APM
		CAD to CAM – Help
		CAD to CAM – About
		Change Circle Size
		Color to CAM
		Export Drawing Tools

		Get Tool Geometry
		Import User Layers
		Keep
		Edit Material File
		Convert Nested Sheet
		Nesting Reports and Labels
		Output to Laser Projector
		Create Pocket Inlays
		Saw or Groove
		Select Aggregate
		Work Plane By Surface Normal

File Type Associations

Original	New	File Type
		VBA Macro
		Thread
		Font
		Mill/Router/Stone Tool
		Lathe Tool

		Post Processor
		NC Code
		Nestlist
		DAT File
		Stone Drawing
		Mill Drawing
		Laser Drawing
		Router Drawing
		Lathe Drawing
		Wire Drawing
		Machining Style
		Parametric Macro
		Machine Configuration
		Laser Nozzle