



Vericut Icam Catalog Post Processors



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Catalog Post Processors are off-the-shelf Vericut Icam posts designed to provide essential post processor functionality at a lower entry cost. These posts are ideal for users who need basic capabilities, with a flexible path to upgrade to a Fully Customized Dedicated Post.

While Catalog Posts offer limited features compared to Fully Customized Dedicated Posts, they serve as a cost-effective starting point with the option to upgrade as requirements evolve. Additional features and functionality are available through optional add-ons, which can be purchased separately.

This document outlines the key differences between Catalog and Fully Customized Dedicated Posts, lists compatible machines and controllers, and defines the requirements for eligibility.

Catalog Post Pre-Requisites

Although a list of machines and controllers is provided below, the following criteria serves as a reference for additional machines that may qualify to be a Catalog post:

- **Machine Configuration**
 - Up to 5-axis continuous milling
 - 3 linear axes + 2 rotary axes (XYZ + A|B|C)
 - Exclusions:
 - No turning functionality
 - No turn table support
 - No D'Andrea or Cogsdill Style Heads
 - No co-linear axis support (UVW)
 - **Supported Controllers**
 - Siemens 840D | Sinumerik One
 - Fanuc 30/31i or newer
 - Heidenhain 530/640 (Conversational and ISO)
 - Mazak Controller
 - Haas Next Gen Controller (NGC)
 - Okuma P300 or newer
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Optional Add-ons for Catalog Posts

The following features can be purchased in addition to the Catalog Post:

- Probing (Basic)
- Multicam
- Angle Head
- NURBS
- Arc Fitting

Multicam Pricing Considerations:

- The price remains flexible due to lower maintenance costs.
- No individual customization per CAM system.
- Standardized functionality ensures cutting, tool changes, and cycles operate as expected.

Additional Feature Needs:

- If additional features beyond the listed add-ons are required, Post Developer Services/Consulting must be purchased.
 - Once a certain number of add-ons are needed, it is recommended that the customer purchase a Fully Customized Dedicated Post processor instead of a Catalog Post.
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Provided Support

Icam technical support will continue assisting customers with:

- Installation
- Licensing
- Integration
- Software Updates (including CAM updates)
- License Transfers

Post Processor Support:

Support is limited to basic feature adjustments and does not include customization.

Feature Comparison Charts (Catalog vs Dedicated Post)

Legend:

- ● = Included
- ● = Not Included
- ● = Partially Included/Limited

General Features

Feature	Catalog Post	Dedicated Post
Tool list	● Basic (T# and Name)	● Detailed/Custom
Tool Change & pre-selection	●	●
Linear Interpolation	●	●
Circular Interpolation	●	●
Helical Interpolation	●	●
Tool length compensation	●	●
Cutter compensation	●	●
Work compensation/offset	●	●
5-Axis drilling cycles	●	●
Tilted plane / Local coord. sys.	●	●
Retract to home position	●	●
Rotating Tool Center Point (RTCP)	● Rotary Only	● All formats (rotary, vector, etc.)
Linear limit detection	●	●
Rotary limit detection	●	●
Coolant Codes	● Includes Custom Coolant	● Includes Custom Coolant
Auxiliary devices (air/pressure)	●	●
Dynamic fixture offset	●	●
Operation Summary	●	●
Axis clamping/Unclamping	●	●
CAM-generated Subprograms	●	●
High-speed settings	●	●
Custom codes/functions	●	●
Open format	● Dedicated Only	●

¹ This function is only available for NX, CATIA/3DX and Creo.

² Any customization such as pallet changer, doors, tool check, automatic stop/opstop.

Drill-Related Features

Feature	Catalog Post	Dedicated Post
Drill	●	●
Bore	●	●
Back Bore	●	●
Ream	●	●
Deep Drill	●	●
Breakchip	●	●
Thru	●	●
Float Tap	●	●
Rigid Tap	●	●
Deep Tap	●	●
Breakchip Tap	●	●

Advanced Processing Features

Feature	Catalog Post	Dedicated Post
Singularity processing	●	●
Linearization	●	●
Polar Interpolation	●	●
Rotary turn around	●	●

Additional Aggregate and Angle Features

Feature	Catalog Post	Dedicated Post
Angle/Aggregate Head	●	●
Probing	● Basic only	● Basic/Advanced
Arc Fitting	●	●
Nurbs	●	●
Multicam	●	●

Additional Aggregate and Angle Features
Fanuc (and Similar):

Feature	Catalog Post	Dedicated Post
Angle/Aggregate Head	●	●

Siemens:

Feature	Catalog Post	Dedicated Post
Tilted plane / Local coord. sys.	● (Any format including CYCLE800)	● (Any format including CYCLE800)
Tool name for tool change	●	●
Rotary move code (AC=, DC=)	●	●

Heidenhain:

Feature	Catalog Post	Dedicated Post
PLANE SPATIAL	● STAY only format	● All formats

Note:

If additional features beyond the listed add-ons are required, Post Developer Services/Consulting must be purchased. Once a certain number of add-ons are needed, it is recommended that the customer purchase a Dedicated Post instead of a Catalog Post.

Supported Controllers:

The selection of a compatible controller is crucial to ensure proper NC code generation. While the specific machine model has minimal impact beyond kinematics, the post processor must generate NC code in a format that the controller can interpret correctly.

- Fanuc 30i or newer
- Siemens 840D or newer
- Heidenhain 530 or newer (ISO and Conversational, only 1 format per post)
- Okuma OSP P300 or newer
- Haas Next Gen Controller or newer
- Mazak Smooth or newer
- Hurco WinMax or newer

Supported Machines by Brand:

This list is meant as a general guide lines, please refer above to pre-requisite if your specific machine model is not in the tables below. The list may refer to a generic or specific model of the specified machine, in many instances, the other models of the same family are also supported.

Bavius	CMS	DMG-MORI
HBZ AeroCell	ANTARES1	CMX Series
HBZ CompactCell	ANTARES2	DMV Series
HBZ Trunnion	ANTARES3	NVX Series
PBZ HD	POSEIDON	NV/NVD Series
PBZ NT	ARES	NHX Series
PBZ SC		NH Series
GANTRY SD		NVM Series
GANTRY HD		monoBLOCK Series
UBZ SD		
UBZ HD		

Haas	Grob	Hermle
VF Series	Any G series without T	All C series without U
Universal Machines		
VR Series		
Mini Mill		
High-Speed Drill Centers Series		
Drill/Tap/Mill Series		
Toolroom Mills		
Compact Mills		
Gantry Series		
Extra-large VMC		

Hurco	Makino	Matsuura
U-Series	1-Series (4 & 5-axis)	MX Series
SRT Series	J-Series	MAM72 Series
VC Series	MCD-Series (4 & 5-axis)	CUBLEX Series
DCX Series	MAG-Series	Linear Motor Series
VM Series	N-Series	H.Plus Series
VMX Series	T-Series	VX Series
BX Series	PS-Series	V.Plus Series
DCX Series	Slim-Series	
HM Series	F-Series	
HBMX Series	iQ-Series	
	L2-Series	
	V-Series (3 & 5-axis)	
	D-Series	

Mazak	Okuma
Variaxis Series	GENOS M 5AX Series
VC-EZ X	MB-V H Series
VORTEX	MA-V H Series
HCR	MILLAC-V VH Series
	MU-V H Series

Ready to unlock your machining potential?

Speak to our team today to request a free Vericut Icam demonstration.



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System requirements are subject to change.
See the Vericut website for the most up-to-date product information and system requirements.
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