

Online Resources, Inc.

Surfcam Training Class Information

Online Resources would like to thank you for choosing **Surfcam** as your CAD/CAM system. We offer three training classes each month designed to get you up to speed quickly.

The **Two-Axis Contouring** class teaches the student the fundamentals of geometry and toolpath creation, and is recommended for all new users.

The **Three-Axis Surfacing** class explores the construction of three-dimensional surfaces and the techniques required to machine them.

The **Four and Five-Axis Features** class provides a look at the enhanced four and five-axis features that are available in Surfcam.

The **Two-Axis** and **Three-Axis** class requires two days to complete, while the **Four and Five-Axis** class is a one-day event. These classes are held at our training facility in Lebanon, IN.

Two-Axis Contouring	Three-Axis Surfacing	Four and Five-Axis Features
Course Contents	Course Contents	Course Contents
<ul style="list-style-type: none"> • Overview of Surfcam menus • Part File Management • Using View and CView • Layers and Masking • 2-D Geometry Creation • Pocketing and Contouring • Hole Operations • Operations Manager - Arranging tool path files, tool path modification, and regeneration. • Part Verification • Part Transformation - Mirror, Offset, Rotate, Scale, etc. • Creating an NC program • Using the NC editor - Reviewing and editing your part program 	<ul style="list-style-type: none"> • Surface Construction - Creating cross section, extruded, revolved, drive curve, offset and blended 3-D surfaces. • Surface Filleting - Building constant, rolling ball, and variable radius fillets. • Surface machining strategies - In-depth discussion of TrueMill, Z Rough, Cut, Planar, Z Finish, Steep\Shallow, and 3D Offset machining. • Tool Containment using boundaries, patches, and check surfaces. • Surface Alteration— Modifying existing surfaces to facilitate machining. • Importing and exporting surface models in formats other than native Surfcam DSN or SCPRT. 	<ul style="list-style-type: none"> • Multi-Axis Theory • Part Setup • Part Positioning Using Cview • 4 and 5 Axis Drilling • 4 and 5 Axis Cut • 4 and 5 Axis Trim • 4 and 5 Axis Project • 4 and 5 Axis Contour • 4 and 5 Axis Swarf • Options

SURFCAM Training Dates for 2010
Training Location - Online Resources, Inc.
 941 Monument Drive, Lebanon, IN 46052

Month	Days	Class Description
December '09	1-2	SURFCAM 2-Axis Mill, Lathe and EDM
December '09	15-16	SURFCAM 3-Axis Functionality
December '09	17	SURFCAM 4 and 5-Axis Features
January	5-6	SURFCAM 2-Axis Mill, Lathe and EDM
January	19-20	SURFCAM 3-Axis Functionality
January	21	SURFCAM 4 and 5-Axis Features
February	2-3	SURFCAM 2-Axis Mill, Lathe and EDM
February	16-17	SURFCAM 3-Axis Functionality
February	18	SURFCAM 4 and 5-Axis Features
March	2-3	SURFCAM 2-Axis Mill, Lathe and EDM
March	16-17	SURFCAM 3-Axis Functionality
March	18	SURFCAM 4 and 5-Axis Features
April	6-7	SURFCAM 2-Axis Mill, Lathe and EDM
April	20-21	SURFCAM 3-Axis Functionality
April	22	SURFCAM 4 and 5-Axis Features
May	4-5	SURFCAM 2-Axis Mill, Lathe and EDM
May	18-19	SURFCAM 3-Axis Functionality
May	20	SURFCAM 4 and 5-Axis Features
June	1-2	SURFCAM 2-Axis Mill, Lathe and EDM
June	15-16	SURFCAM 3-Axis Functionality
June	17	SURFCAM 4 and 5-Axis Features
July	6-7	SURFCAM 2-Axis Mill, Lathe and EDM
July	20-21	SURFCAM 3-Axis Functionality
July	22	SURFCAM 4 and 5-Axis Features
August	3-4	SURFCAM 2-Axis Mill, Lathe and EDM
August	17-18	SURFCAM 3-Axis Functionality
August	19	SURFCAM 4 and 5-Axis Features
September	7-8	SURFCAM 2-Axis Mill, Lathe and EDM
September	21-22	SURFCAM 3-Axis Functionality
September	23	SURFCAM 4 and 5-Axis Features
October	5-6	SURFCAM 2-Axis Mill, Lathe and EDM
October	19-20	SURFCAM 3-Axis Functionality
October	21	SURFCAM 4 and 5-Axis Features
November	2-3	SURFCAM 2-Axis Mill, Lathe and EDM
November	16-17	SURFCAM 3-Axis Functionality
November	18	SURFCAM 4 and 5-Axis Features
December	7-8	SURFCAM 2-Axis Mill, Lathe and EDM
December	14-15	SURFCAM 3-Axis Functionality
December	16	SURFCAM 4 and 5-Axis Features

***For class availability please send an email to: larryc@onlineresourcesinc.com
 or call 765-482-9700 X104.***

Registration Form

Surfcam Training Classes at Online Resources Training Center

Name(s) of Student(s):	

Enter number of students and total below:	
2X Contour	_____ @ \$500.00 per student = _____
3X Surface	_____ @ \$500.00 per student = _____
4X-5X Class:	_____ @ \$300.00 per student = _____
Total amount of purchase order:	\$ _____
Purchase Order Number:	_____
Your Company Name:	_____
Your Name:	_____
Your E-mail (for class confirmation):	_____
Telephone:	_____

Please Enter Class Date(s) Requested (✓ appropriate box(es))

- 2 Axis Contour** _____
- 3 Axis Surfacing** _____
- 4 and 5 Axis Features** _____

Please fax the completed form to 765-482-9711

**Classes are by registration only, so do not delay.
Maximum of six students per class.**

Classes run from 9:00AM – 4:00PM

**All classes will be at our training facility in our Lebanon, IN offices.
For directions to our office, visit the 'Contact Us' link at our website:
<http://www.onlineresourcesinc.com/pages/contactus.htm>**