

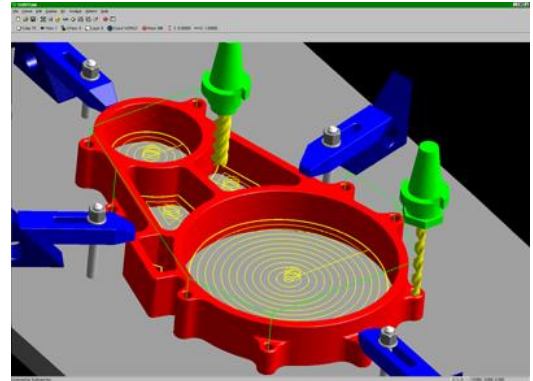
# surfcam 2017 Training Classes



## 2-Axis (2 days)

Day 1: Learn the fundamentals of SURFCAM, including Graphical User Interface (GUI) features. Create and edit lines, arcs/circles, fillets, chamfers, text and dimensions.

Day 2: Learn toolpath creation features pertaining to 2 ½ -axis machining such as pocketing, contouring, drilling, engraving, face, groove and chamfer milling, and TrueMill. File management, toolpath verification, and setup sheet creation will also be introduced.

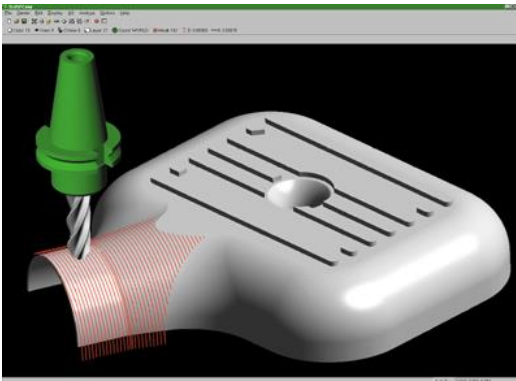


## 2-Axis Turning (1 day)

An option to Day #2 above, create turning profiles using lines and polylines. SURFCAM Verify and cycles such as turn, face, face off, groove, thread, drill, and part off are covered.

## 3-Axis Machining (3 days)

Day 1: Focus on 3-axis simultaneous machining. Create and edit nurb splines, cross sectional surfaces, drive curve surfaces, blend surfaces, trim plane surfaces, offset surfaces, surface fillets, revolved and extruded surfaces.



Day 2: Focus on surface toolpath generation. Learn the fundamentals of machining single and multiple surfaces: cut, z-rough, project, planar, Z-finish 3D contour and offset. Learn the more challenging 3D toolpath creation concepts and design principles: Steep/Shallow machining, Rest Machining, Adaptive Step down and other high-speed machining functions. Boundary and flow curves, surface project and cutter intersect splines are explained in detail.

Day 3: Create advanced splines & surfaces, file import/export, creating views, machining with boundary curves, Steep/Shallow, 3-axis project, and other machining tips & tricks. The new Multi-Cut options with 6-cut strategies, enhanced Leads and Links, multi-surface gouge protection and undercuts will

be covered. STL model machining along with the new Machine Simulation option will be reviewed.

## Advanced 2-Axis Machining (1 day)

Intended for the experienced 2-axis SURFCAM user, topics may include using layers and masking, 4-axis positioning, creating views, Advanced Operations Manager topics, post processor customizing, and other 2-axis machining tips and tricks.

## Advanced 3-Axis Machining (1 day)

This one-day class is intended for the experienced 3-axis SURFCAM user. Topics covered will include but not limited to the following... Creating advanced splines & surfaces, file import/export, creating views, machining with boundary curves, steep/shallow, 3-axis project, and other 3-axis machining tips & tricks. Students are encouraged to bring in parts for review.

## Custom Web Based Training (Per Two Hour Session)

This custom two hour web based training is operator training per requested subject.

To register, contact  
Applied CIM Technologies at: [cadcam@appcim.com](mailto:cadcam@appcim.com)  
763-476-4268  
See next page for schedule and registration form.

# SURFCAM TRAINING REGISTRATION FORM

TRAINING REGISTRATION FORM			
Contact Person:			
Company Name:			
Company Address:			
City:		State:	ZIP Code:
Telephone:		Fax:	
Email:			
Information requested: <input type="checkbox"/> Hotel information <input type="checkbox"/> Directions			
Attendee Name	Email Address	Course Name	Course Dates
PAYMENT			
<ul style="list-style-type: none"> <li>Regularly scheduled SURFCAM training classes are \$400 per day per student.</li> <li>Custom training is available upon request at a rate of \$920 per day + expenses (if applicable).</li> <li>SURFCAM custom web based training is \$180 per two hour session.</li> </ul>			
<input type="checkbox"/> Invoice – P.O. # _____ <input type="checkbox"/> Check, payable to Applied CIM Technologies, Inc. <input type="checkbox"/> Credit Card, Please call 763-476-4268.			
TRAINING CLASS LOCATIONS			
<b>Applied CIM Technologies, Inc.</b> 15150 25 <sup>th</sup> Ave. North Plymouth, MN 55447	<b>Productivity, Inc. - Nebraska</b> 8402 117 <sup>th</sup> St., Suite 100 La Vista (Omaha), NE 68128	<b>Productivity, Inc. - Iowa</b> 9440 Atlantic Drive SW Cedar Rapids, IA 52404	
CLASS SCHEDULE			
Classes are from 8:30 AM to 4:30 PM. Morning break, lunch and refreshments provided. (Excludes web training)			
2-Axis (2 days)	2-Axis Turning (1 day)	3-Axis Machining (3 days)	Web Training (2-hours)
<ul style="list-style-type: none"> <li>January 3-4, 2017 – MN</li> <li>February 7-8, 2017 - MN</li> <li>March 7-8, 2017 – MN</li> <li>April 4-5, 2017 - MN</li> <li>May 9-11, 2017 – MN</li> <li>June 6-7, 2017 - MN</li> <li>July 11-12, 2017 – MN</li> <li>August 1-2, 2017 - MN</li> <li>September 5-6, 2017 – MN</li> <li>October 3-4, 2017 - MN</li> <li>November 7-8, 2017 – MN</li> <li>December 5-6, 2017 - MN</li> </ul>	<ul style="list-style-type: none"> <li>January 5, 2017 – MN</li> <li>February 9, 2017 - MN</li> <li>March 9, 2017 – MN</li> <li>April 6, 2017 - MN</li> <li>May 11, 2017 – MN</li> <li>June 8, 2017 - MN</li> <li>July 13, 2017 – MN</li> <li>August 3, 2017 - MN</li> <li>September 7, 2017 – MN</li> <li>October 5, 2017 - MN</li> <li>November 9, 2017 – MN</li> <li>December 7, 2017 - MN</li> </ul>	<ul style="list-style-type: none"> <li>January 24-26, 2017 – MN</li> <li>Feb 28- Mar 2, 2017 - MN</li> <li>March 28-30, 2017 – MN</li> <li>April 25-27, 2017 - MN</li> <li>May 23-25, 2017 – MN</li> <li>June 27-29, 2017 - MN</li> <li>July 25-27, 2017 – MN</li> <li>August 22-24, 2017 - MN</li> <li>September 26-28, 2017 – MN</li> <li>October 24-26, 2017 - MN</li> <li>November 28-30, 2017 – MN</li> <li>December 19-21, 2017 - MN</li> </ul>	<ul style="list-style-type: none"> <li>Upon request</li> </ul>
Advanced 2-Axis (1 day)	Advanced 3-Axis (1 day)	4-Axis Milling (1 day)	Custom Training
<ul style="list-style-type: none"> <li>Upon request</li> </ul>	<ul style="list-style-type: none"> <li>Upon request</li> </ul>	<ul style="list-style-type: none"> <li>Upon request</li> </ul>	<ul style="list-style-type: none"> <li>Upon request</li> </ul>
TERMS & CONDITIONS			
<ol style="list-style-type: none"> <li>1. Please call to check availability on all courses before registering.</li> <li>2. All reservations will be billed prior to the beginning of the course. If not, Applied CIM Technologies, Inc. reserves the right to release your place to other customers.</li> <li>3. If you are registered, but unable to attend a class, please let us know as soon as possible. If you give us less than 24 hours' notice, we reserve the right to charge for all or part of the missed class.</li> <li>4. I have read the Terms and Conditions and understand them.</li> </ol>			
_____ <i>Signature</i>		_____ <i>Date</i>	