

SURFCAM Traditional 2022.0 Feature Chart

	2 Axis Base SR-S200	2 Axis Advanced SR-S210	3 Axis Base SR-S300	3 Axis Advanced SR-S310	4 Axis Advanced SR-S400	5 Axis Advanced SR-S500
Traditional Design						
2D and 3D Wireframe Geometry Creation	●	●	●	●	●	●
Create and Edit Free Form Surfaces	●	●	●	●	●	●
Import & View SURFCAM Geometry, Surfaces & Toolpath	●	●	●	●	●	●
Import Parasolid, SolidWorks, Part Modeler, DESIGNER, Solid Edge	●	●	●	●	●	●
Import ACIS, Space Claim, STEP, IGES	●	●	●	●	●	●
Import Inventor, DWG, Rhino	●	●	●	●	●	●
Create and Edit Dimensions	●	●	●	●	●	●
Create and Edit Construction Views	●	●	●	●	●	●
2-Axis Milling						
Face Milling	●	●	●	●	●	●
Contour	●	●	●	●	●	●
Pocket	●	●	●	●	●	●
Pocket Roughing with Multi-level Islands	●	●	●	●	●	●
Hole Process / Drilling	●	●	●	●	●	●
Toolpath Editor	●	●	●	●	●	●
Engrave	●	●	●	●	●	●
Slot	●	●	●	●	●	●
Contour 3D	●	●	●	●	●	●
Pilot Hole Drilling	●	●	●	●	●	●
NCSIMUL Essentials	●	●	●	●	●	●

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2-Axis Milling						
Verify	●	●	●	●	●	●
Pocket Rough		●	●	●	●	●
Multiple Tool Rest Machining		●	●	●	●	●
Round Mill		●	●	●	●	●
Chamfer Mill		●	●	●	●	●
Groove Mill		●	●	●	●	●
Thread Mill		●	●	●	●	●
3-Axis Milling						
Auto Rough			●	●	●	●
Single Surface Cut			●	●	●	●
Planar Milling			●	●	●	●
Flat Surface Milling			●	●	●	●
Project			●	●	●	●
Z Rough - Classic			●	●	●	●
Z Finish - Classic			●	●	●	●
Steep / Shallow - Classic				●	●	●
3D Offset - Classic				●	●	●
Z Rough				●	●	●
Adaptive Rough				●	●	●
Plunge Roughing				●	●	●
Z Finish				●	●	●
Step Reduction Milling				●	●	●

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3-Axis Milling						
Planar Plus				●	●	●
Steep / Shallow				●	●	●
3D Offset				●	●	●
Pencil Cut				●	●	●
Radial Milling				●	●	●
Spiral Milling				●	●	●
Rest Machining				●	●	●
4-Axis Milling						
Multi-Surface Cut					●	●
Multi-Surface Swarf					●	●
Cut Classic					●	●
Swarf Classic					●	●
Trim		●	●	●	●	●
Project					●	●
5-Axis Milling						
Check Surface Control					●	●
Multi-Surface Cut					●	●
Multi-Surface Swarf					●	●
Cut Classic					●	●
Swarf Classic					●	●
Trim		●	●	●	●	●
Project					●	●

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Lathe						
Turn	●	●	●	●	●	●
Face	●	●	●	●	●	●
Face Off	●	●	●	●	●	●
Groove	●	●	●	●	●	●
Thread	●	●	●	●	●	●
Hole Process	●	●	●	●	●	●
Part Off	●	●	●	●	●	●
Wire / EDM						
2 Axis Contour	●	●	●	●	●	●
4 Axis	●	●	●	●	●	●
File Loading						
Catia File Translators	●	●	●	●	●	●
Pro Engineer/Creo File Translators	●	●	●	●	●	●
Unigraphics/NX File Translators	●	●	●	●	●	●
DESIGNER Companion	●	●	●	●	●	●
2 Axis Advanced Roughing	●	●	●	●	●	●
3 Axis Advanced Roughing			●	●	●	●
NCSIMUL Standard	●	●	●	●	●	●
NCSIMUL Advanced	●	●	●	●	●	●
3 Axis Multi-Cut			●	●	●	●

SURFCAM Traditional 2022.0 Modules Feature Chart.

	3-Axis Multi-Cut SR-US92	4-Axis Advanced Module SR-M400	5-Axis Advanced Module SR-M500	Advanced Roughing Strategies 2-Axis SR-US602	Advanced Roughing Strategies 3-Axis SR-US603	Advanced Roughing Strategies SR-US604
File Loading						
3-Axis locked 4- and 5-Axis strategies	●					
Multi-Surface Cut and Swarf, Cut and Swaft Classic, and Project in 4-Axis simultaneous, including Check Surface Control		●				
Multi-Surface Cut and Swarf, Cut and Swaft Classic, and Project in 5-Axis simultaneous, including Check Surface Control			●			
Advanced Roughing Strategies 2-Axis (Turn Mill and Waveform)				●		
Advanced Roughing Strategies 3-Axis (Turn Mill and Waveform)					●	
Advanced Roughing Strategies (Waveform) for 2- and 3-Axis						●

SURFCAM Traditional 2022.0 Translators Feature Chart

	ProEngineer / Creo Translator SR-US71	Unigraphics / NX Translator SR-US51	CATIA V4 Translator SR-US81	CATIA V5 / V6 Translator SR-US82
File Loading				
Load Creo Elements/Pro (formerly Pro/ENGINEER) Solids See Note 1	●			
Load Unigraphics / NX Files		●		
Load CATIA V4 Solids			●	
Load CATIA V5 / V6 Solids				●

SURFCAM Traditional 2022.0 Specialist Systems Feature Chart

	WorkXplore SRXP-0	WorkXplore Advanced Import Pack SR3DR-I	WorkXplore Export Pack SREXP-0
WorkXplore			
Import DXF, DWG, MESH, IGES, STEP, Parasolid, Solidworks format files	●		
Import Solid Edge, Inventor, ACIS 3D, CADDs, JT, EDGE CAM, VISI, WORKNC, PC DMIS	●		
Markup, Measure and Analysis tools.	●		
Export file types: WORKXPLORE, DXF, DWG, Mesh (STL, OBJ, PLY, MEG), 3D and Control Points, 3D PDF, Client Viewer, User Views	●		
Import of 2D and 3D Catia V4, Catia V5, Catia V6, NX, Creo format files		●	
Export of IGES, STEP, PC DMIS, JT and WorkNC format files and batch conversion			●