

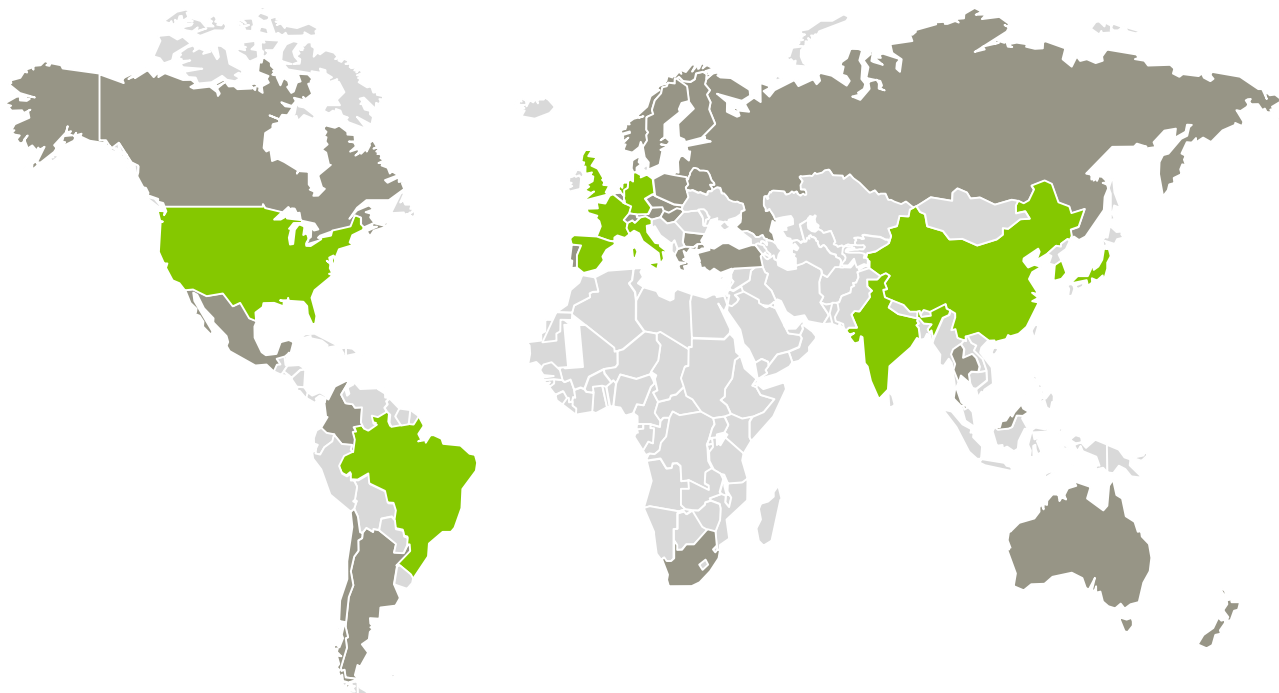


CAM in a Hybrid World

Steve Youngs
Development Director



THE WORLD'S #1
CAM SOFTWARE COMPANY



■ Direct presence

■ Reseller presence only

- Direct offices in the UK, Italy, France, Germany, Netherlands, USA, Brazil, India, Spain, Japan, Korea and China
- Development teams in the UK, USA, Italy, Netherlands, France, Germany, India, and Russia
- 140 resellers in over 45 countries
- 640+ Employees (150+ R&D)
- €110M+ Revenue
- Major OEM relationships
- Worlds #1 CAM provider

The leading vendor in industrial seats installed at 272,150, more than double that of the number two ranked CAM supplier

2015 Ranking	Company	Seats Installed 2012	Seats Installed 2014	Seats Installed 2015
1	Vero Software	242,670	256,920	272,150
2	CNC Software	93,542	98,920	104,898
3	Delcam	82,055	90,940	101,230
4	Autodesk	25,700	49,706	75,430
5	PTC	66,750	69,080	68,600
6	Siemens PLM Software	60,725	66,392	65,400
7	Dassault Systèmes	55,200	57,720	60,100

The World's #1 CAM-centric software company

Market Share of NC Providers Based on Industrial Seats Installed

	Others		106,535
	Total	1,000,000	1,208,515



CNC
Machining
7:1

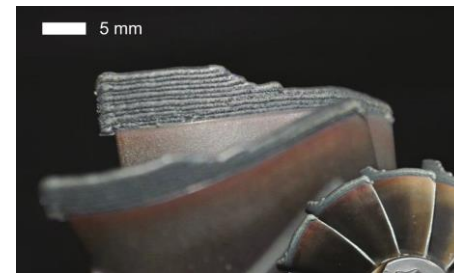


Additive
1 1/4:1



Market Perspective

- Increased use of multi-function machines.
 - Multi-tasking, 5-axis, additive in a single machine.
 - Multi-axis robots with multi-tasking capabilities.
- Mixed material parts.
- Geometrical freedom.
- Reduction in waste.
- Faster turnaround.
- Part repair rather than scrap and replace.
- Greater process complexity requires smarter, more intelligent, CAM Software. Vero Software can help here.



Process Challenges from a CAM Perspective

- Different process technologies:
 - (multi) laser metal deposition
 - wire-arc
 - polymers, resins and other non-metallic materials
- Mixed materials.
- Relative inaccuracy.
- Characteristics of the materials e.g. heat build up.
- Voids in material must be avoided.
- Contamination between processes.
- Process technology has advanced rapidly and continues to evolve at a fast pace. Many research projects, including KRAKEN.



CAM Requirements

- Seamless integration to support single and multi-function machine tools and robots.
- Ease of use and correctness are paramount.
 - Common and familiar workflow.
 - Freely mix additive and subtractive technologies.
 - Computer based simulation.
- Mixed materials.

edgcam | surfcam

Industry – Production Machining

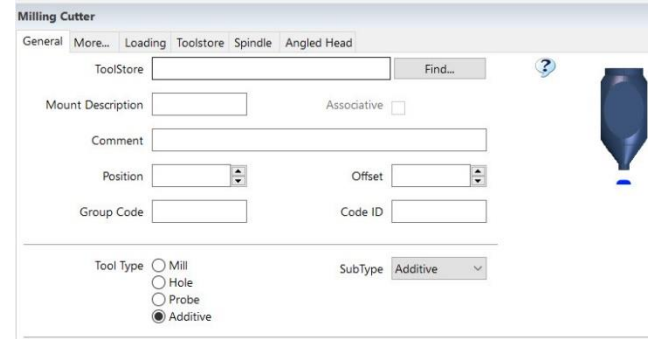
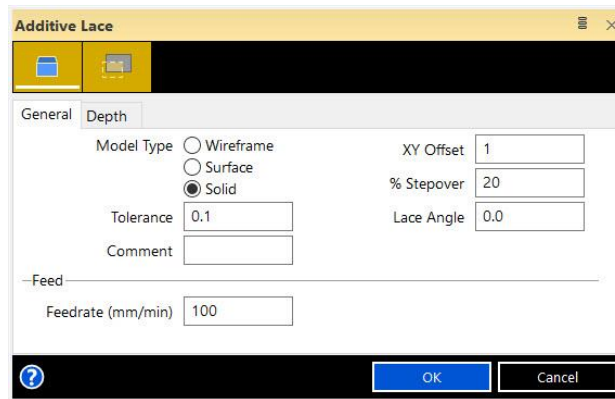
- Automotive
- Aerospace
- Oil & Gas
- Medical
- Sub Contracting

Edgecam & Surfcam offer an extensive range of 2-5 axis milling, turning, mill/turn and wire EDM strategies, seamless CAD integration and sophisticated automation tools.



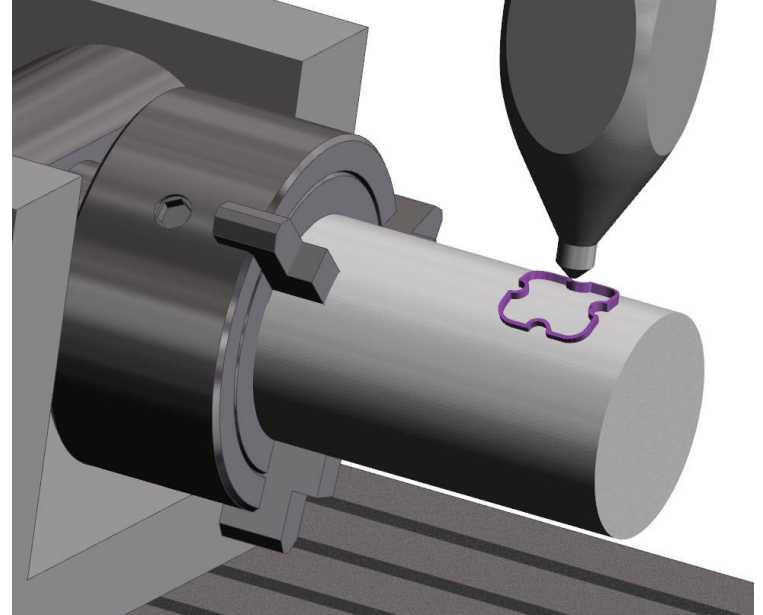
Edgecam Enhancements

- Additive and subtractive technologies in a single product.
- Additive technology in beta with selected partners.
- New 'Additive Lace' cycle.
- Standard cycles can also be used.



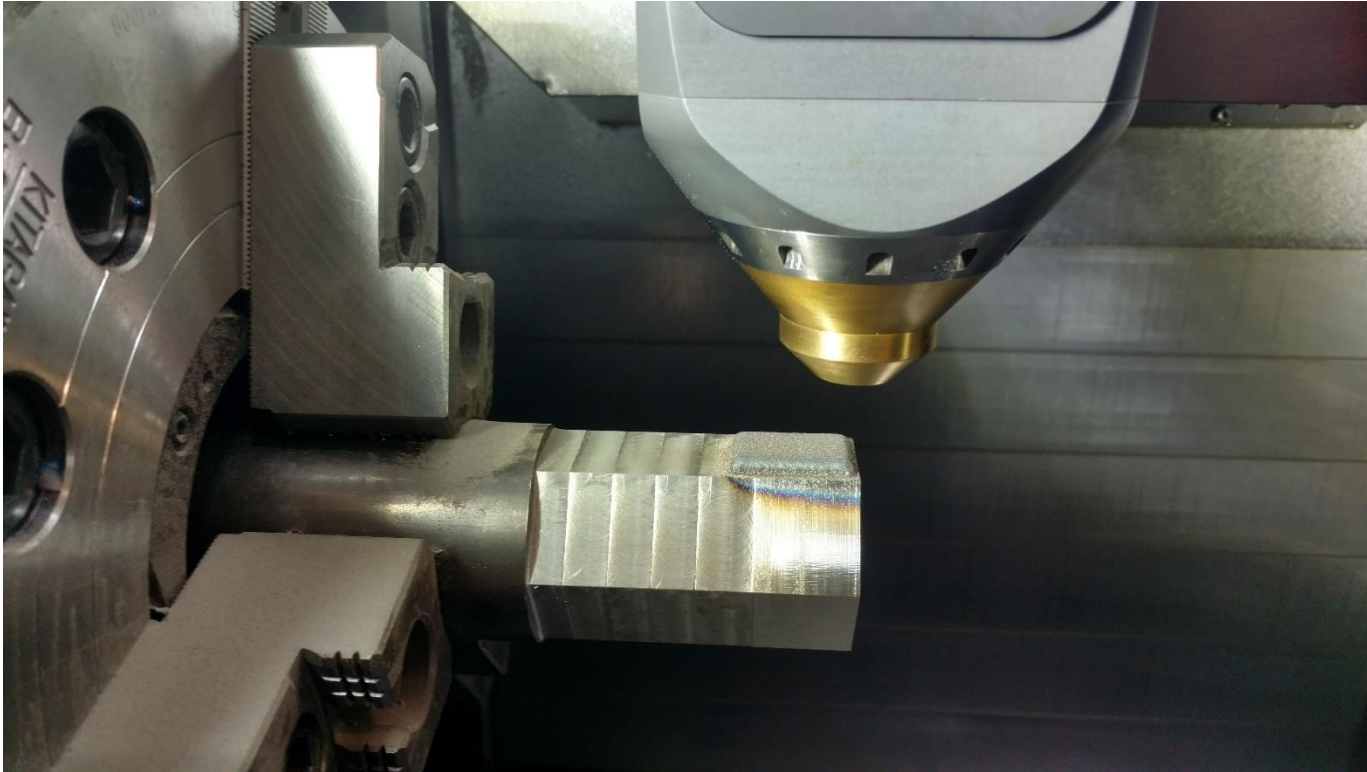
Edgecam Enhancements

- Full machine simulation of additive and subtractive processes.
- Freely mix processes as required for manufacture.





Edgecam in action



Come and see us



Hall 25, Booth B20

Visit us at

www.verosoftware.com

Contact your local reseller

www.verosoftware.com/globalresellers/

