

# JETCAM EXPERT CAD/CAM/NESTING

Supports all machines

Optimised cutting path

High performance nesting option

All major CAD formats supported

MRP/ERP integration

Easy to learn

Interactive or automatic

New scalable interface

Cutting info stored on part, not the nest

Single Component Automatic Processing

JET-Cut Fly Cutting

Scalable system

## Award-winning software driving virtually every CNC punch/profiling machine available

Since 1986 JETCAM Expert has led the way in nesting and automation. With support for virtually all machine brands and sheet/roll cutting technologies JETCAM Expert provides as much interaction or automation at ever stage of the CAD file to NC code process, producing clean, accurate and highly optimised nests and delivering savings in machine runtime, programming time and material utilisation.



# Interactive or automatic, and scalable for all business types

JETCAM Expert is available in four core versions, and also has a number of additional modules available, depending on your needs. Expert Lite provides a low cost entry system. Expert 1 builds on this, with automation such as S.C.A.P. Expert Premium supports unlimited postprocessors, complex machines and modules such as Parametric Programming and High Performance Nesting. Expert Premium Connected Automation (CA) takes this one step further by offering tight integration to existing systems such as MRP that can then remotely control the full nesting process.

Features		Expert Versions			
		Lite	1	Premium	CA
DXF Viewer		●	●	●	●
Automatic hazard avoidance (holes and forms)		●	●	●	●
Interactive CAD with export facility		●	●	●	●
CAD drawing import for popular CAD and machine tool vendor formats		DXF Only	●	●	●
Component revision control, providing safety when generating static or dynamic nests		●	●	●	●
Automatic tool selection		●	●	●	●
Automatic micro-joints, lead-ins/outs, loops etc. Intelligently applied to parts nested at specific angles		●	●	●	●
Interactive nesting (arrays, bump nesting (free hand) and mosaic nesting)		●	●	●	●
Automatic nesting of a single component at 0 and 90 degrees		●	●	●	●
User definable machine macro commands		●	●	●	●
Automatic tool path and tool rotation optimisation with highly efficient sequencing of final cuts		●	●	●	●
Automatic repositioning and continuation of a cut over a reposition where required		●	●	●	●
Automatic parting and unloading of components at any angle		●	●	●	●
Automatic turret/magazine loading and Automatic Turret Nesting		●	●	●	●
Multiple tool libraries		●	●	●	●
Automatic placement of special tools, with new ‘exit direction’ feature to avoid collisions		●	●	●	●
Full simulation capabilities with runtime estimation data available for costing		●	●	●	●
Automatic sheet processing, including skeleton destruction, common line punching/cutting		●	●	●	●
Bevelling support		●	●	●	●
Heat avoidance		●	●	●	●
JET-Cut fully automatic Fly Cutting		●	●	●	●
Single Component Automatic Processing (S.C.A.P.)			●	●	●
CAD Filtering (auto-repairing of ‘dirty’ CAD files)			●	●	●
Tool Teach Mode - ability to ‘learn’ preferred tooling methods			●	●	●
Remnant Material Management			●	●	●
Support for combination machines				●	●
Support for complex machines (i.e. FMC, FMS etc.) or machines with optional extras (tapping units etc)				●	●
Complete remote control ‘Connected Automation’ from external systems (e.g. MRP etc)					●
Options					
Free Form Automatic nesting module option with read only materials and orders database		●	N/A	N/A	N/A
Parametric programming - Interactive				●	●
Parametric programming - Automatic batch processing				●	●
Automatic Punch Press/Right Angle Shear combination support				●	●
Complex Loader/Unloader support (i.e. Finn-Power, Sheetmaster, Trumalift, Tecnology Italiana, Rainer, Pullmax etc.)				●	●
Interface to external data or MRP production control systems/built in material stock and order handling				●	●
Automatic rectangular nesting of dissimilar components (RAN), with high performance nesting included (HP-RAN)				●	●
Automatic free form nesting of dissimilar components (FFAN), or high performance nesting module option (FFHPN)				●	●
Remote Control Processing (RCP) for full ‘black-box’ hands-off automation				●	●
Routing modules inc. 2D & 3D (double-sided) and automatic screw/rivet insertion/removal		●		●	●
Cutting machine module, for handling all aspects of composite and other material type cutting				●	●
Machines Supported					
Accu-Router	Bystronic	Fastcut	Koike	NTC-Nippe	Salvagnini
Adige Sala	Carrier	Flabeg	Komatsu	Omax	Saom
Adilas	Cincinatti	Finn-Power	Komo	Omes (Haco)	Samho
Ajan	CMS	Flow	Kovofinis	Ophardt	SCM
AKS (plasma)	CR-Electronic	Foracon	Lazerblade	Pacer	Shadow
Alfa Laser	Creneau	FPL	Lasercomb	Pass Power Press	Shoda
Aliko	Danobat	Gerber	Laser Lab	PC800 retrofit	Smeral
Amada (all variations)	Di-Acro	GFM	Lectra	Prima	Sodick
American GFM	Didaktik	Goiti	L-Tec	Platemaster	Strippit
Anca	Eastman	Graphtec	LVD/Shape	Pullmax	Tailift
APW	Economos	Hankwang	Mazak	Quantum	Tecnology Italiana
Atom	Edel	Heidenhain	Messer Griesheim	Rainer	Thermwood
Balliu	EIR	Held Pedilas	Metrisa	Raskin	Trumpf (all variations)
Baltec	ESAB	Holzher	Microstep	Rhodes Pierce-all	Vanad
Bayler	Esprit	HPM	Mitsubishi	Rhomer	Wadkin
Bradbury	Euromac	Hyperterm	Motion Master	Ridder Waricut	Whitney
Behrens	Exact	Ingersoll Rand	Multicam	Robosoft	Wiedemann
Blackman & White	Fagor	Jinfangyuan	Murata Wiedemann	Robotic Solutions	Zinser CNC-500
Burny Flame Cutter	Farley Plasma	Komatsu	Nisshinbo	Safan Laser	Zund

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