

Automating CAD Import and Nesting

JETCAM Orders Controller (JOC) provides a remote front-end to your JETCAM Expert Premium system, allowing you to reduce the CAD import and nesting process to just a few mouse clicks. JOC Premium uses JETCAM's Single Component Automatic Processing (SCAP) to automate CAD import, with the resulting files immediately ready for nesting. Filtering and grouping across all main screens allows you to focus only on relevant data. JOC Premium Automation builds on this by harnessing JETCAM's Remote Control Processing (RCP), fully automating the CAD import and nesting process for any number of machines and materials.

Costing, reporting, and more.

JOC delivers much more than simply streamlining CAD import and nesting processes. The nest screen provides comprehensive data, both in the main grid and the side panels. You can quickly see a view of the nest, with bi-directional ply identification, view costs of each ply on one or more selected nests. Reports on single nests or batches can be produced in seconds, and JOC can quickly generate nest data in CSV for import to MRP or quoting software.

* Requires JOC Premium Automation
** Requires Expert Parametric options

Orders Controller JOC Premium/Automation for composite users

- Import from CAD file or CSV, through to nesting in seconds.
- Support for CATIA XML for CAD import & assembly creation.
- Create unlimited CAD filter profiles, for fixing import issues.

- Build-in DXF splitter converts DXFs of a nest to plies.
- Comprehensive assembly management and revision control.
- Expanded materials database, with cost values.

- Instant cost per ply, nest and plies across multiple nests.
- Powerful report engine, with included Reports Designer.
- Run external apps, edit parametric programs**, and more...

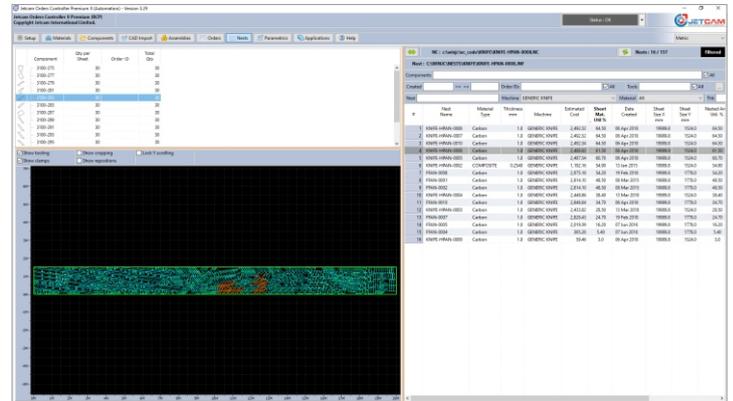
- 'Progressive' nesting, allowing ply grouping for easy kitting*.
- J.A.N.O.S. helps identify the optimal material size*.
- Easily override JETCAM defaults with RCP overrides*.

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JETCAM Orders Controller (JOC)

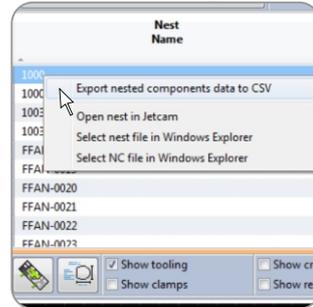
JOC Premium and Premium Automation complement your existing JETCAM Expert system by essentially 'de-skilling' the core processes of CAD import and nesting, while also providing a wide range of features, data views, reporting options and easy methods of data exchange. Its clean, simple interface is easy to learn, can be locked down to only show the required functions and is backed up by a dedicated video tutorial course in our free online 'University'.



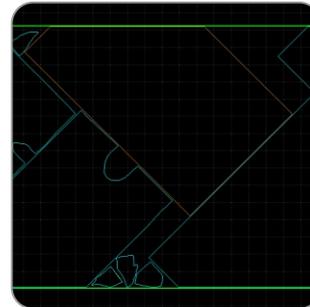
Nest Costing

Material Type	Thickness mm	Machine	Estimated Cost
rbon	1.0	GENERIC KNIFE	2,492.52
rbon	1.0	GENERIC KNIFE	2,492.52
rbon	1.0	GENERIC KNIFE	2,492.34
rbon	1.0	GENERIC KNIFE	2,488.82
rbon	1.0	GENERIC KNIFE	2,487.54
IMPOSITE	0.2540	GENERIC KNIFE	1,192.16
rbon	1.0	GENERIC KNIFE	2,875.18
rbon	1.0	GENERIC KNIFE	2,814.10
rbon	1.0	GENERIC KNIFE	2,814.10
rbon	1.0	GENERIC KNIFE	2,448.86
rbon	1.0	GENERIC KNIFE	2,846.64

Data Exchange



Ply Identification



Automation



Key Features

	Lite	Premium	Automation
One JOC system can support/control multiple JETCAM systems	No	Yes	Yes
Customisable user interface, with ability to show/hide screens and specific columns	No	Yes	Yes
Displays JETCAM material types, stock and stock value with configurable costing	No	Yes	Yes
Display any or all nests in which one or more plies are found	No	Yes	N/A
Support for Single Component Automatic Processing (SCAP) for automated CAD import	No	Yes	Yes
Background CAD processing with interrupt/resume facility	N/A	Yes	Yes
Supports JETCAM Expert' CAD converters (CATIA XML, SolidEdge, Solidworks, AutoPOL etc)	N/A	Yes	Yes
Automatic assembly construction during CAD import process	N/A	Yes	Yes
Improved Revision control for assemblies	Limited	Yes	Yes
Import external orders (CSV)	Limited	Yes	Yes
Export worksheet orders data to CSV, with cost information	No	Yes	Yes
Copy/move orders between worksheets	No	Yes	Yes
Additional filter and grouping options for Files, Orders and Nests	No	Yes	Yes
Tool charts, showing nests a given tool is used in or number of tool hits per nest	No	Yes	Yes
Display cost of selected nests with breakdown and individual/average ply cost	No	Yes	Yes
CAD filtering and DXF Splitting capability, with ability to create multiple profiles	No	Yes	Yes
Batch nest reports - get a single, consolidated report on multiple nests	No	Yes	Yes
Nested ply identification, ply name to vector or vector to ply name highlighting	No	Yes	Yes
Fully automatic CAD import for different machines, materials and thicknesses	No	No	Yes
Fully automatic nesting for different cutters, materials and thicknesses	No	No	Yes
J.A.N.O.S. nest optimisation, testing nest patterns on different material sizes	No	No	Yes

JOC Premium is compatible with JETCAM Expert Premium with Nesting Interface. It is *not* compatible with Expert Lite.

