

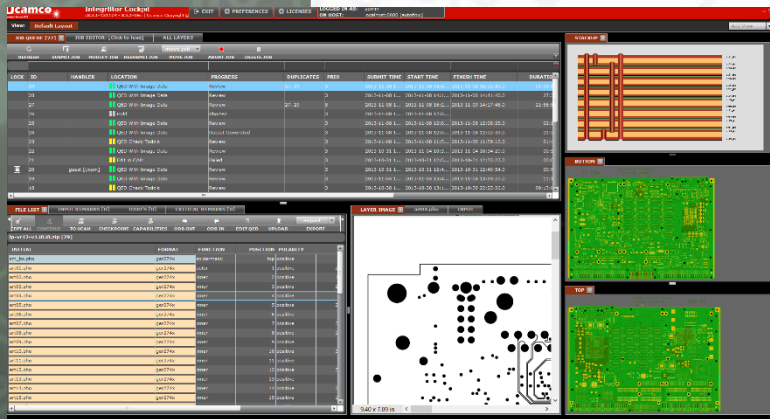
SOFTWARE

LASER PHOTO PLOTTERS

DIRECT IMAGERS

Integr8tor

Ucamco's 9th Generation Sales & Engineering Tool



- Faster, more accurate quotations
- Decrease workload of engineering dept.
- Web based intelligent workflow system
- Raise your customer profile
- Increased CAM productivity
- Seamless integration with 3rd party systems
- Faster, better planning

MARKETS

- ✓ Rigid PCB Mfr
- ✓ Flex PCB Mfr
- ✓ Flex-Rigid PCB Mfr
- ✓ HDI PCB Mfr
- ✓ PCB Masslam Mfr
- ✓ PCB Equipment Mfr
- ✓ PCB Traders
- ✓ PCB Designers
- ✓ PCB Test Centers
- ✓ IC Packaging
- ✓ Chemical Milling
- ✓ High Resolution Graphic Arts
- ✓ Flat Panel Display

PRODUCT FAMILIES

- ✓ CAM
- ✓ PreCAM and Engineering
- ✓ Electrical Test
- ✓ Equipment Front Ends
- ✓ Format Converters & RIP's
- ✓ OEM Software

- ✓ Laser Photo Plotters
- ✓ Direct Imagers

64 Bit

Multi Core

Faster, more accurate quotations

Quoting imposes a hard choice on the PCB fabricator. Use your CAM system, and you have wasted valuable CAM resources if you miss the order. Do not use it, and you might miss process-critical details. Damned if you do, damned if you don't. **INTEGR8TOR** provides the way out. It automatically calculates a detailed report on all process-critical parameters, in minutes. Quotes are both accurate and fast. Users report quoting time cut by 50%. Faster quotes result in more orders. Better quotes result in better margins.

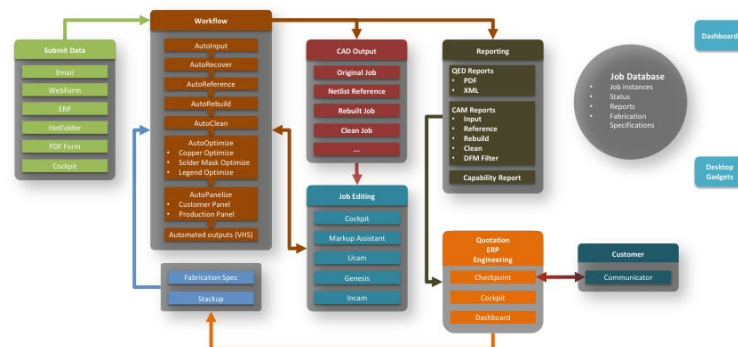
Raise your customer profile

Customers respect the fast, clear and accurate feedback on any design or DFM issues. This is provided by **INTEGR8TOR** analysis and **CHECKPOINT**, its capability-based graphical DFM review tool. **INTEGR8TOR** is an important generator of new business.

Web based intelligent workflow system

Access **INTEGR8TOR** from anywhere on the network, inside or outside the company, in sales, engineering, CAM, the shop floor and at your customer. Organized information at your fingertips: a clear queue with filters shows the status of all jobs, and drills down for details of the selected one. Jobs are submitted the moment they enter your company for fastest response times. The workflow system processes work in background and notifies the users when it is done or when it needs some assistance. Built-in rule-based algorithms automate standard routine tasks. A powerful scripting language automates your custom routine tasks. A simple and intuitive user interfaces makes the system and easy to learn and accessible to all- not only for CAM engineers.

Detailed workflow





Increased CAM productivity

INTEGR8TOR automates the routine CAM work, freeing up valuable CAM engineers for value-added tasks. Integr8tor users report up to 30% savings in CAM time and costs.

Seamless integration with 3rd party systems

XML files and INTEGR8TOR database access integrate seamlessly with third party ERP, CRM, CIM and engineering systems to further streamline your workflow. Smooth job exchange between INTEGR8TOR and any CAM system, Ucamco, Orbotech, CAM-350... streamline your whole front-end

SOFTWARE

- AutoCAM
- FaultStation 4
- FixGenius
- FlashRip
- Format Converters
- Geometric Correction System
- Integr8tor ✓
- Mult Job Panelizer
- OEM Software
- SmartAOI
- SmartPlate
- SmartTest
- Ucam CAD Review
- Ucam CAM++
- Ucam Chemical Milling
- Ucam ET+
- Ucam SmartView
- Ucam uFlex
- UcamX

For more information on any of our products or services please contact us:

By e-mail: info@ucamco.com

Summary Minimum Design Characteristics - Locations

1. Min. Line Width Outer Layers 0.080 mm

2. Min. Clearance Outer Layers 0.095 mm

3. Clr. to NPTH Outer Layers 0.870 mm

OED Report Integr8tor

Name	pcb-4352-rev1.zip	Id	4911 - Auto Analysis Processing
Report Generated on	Nov 8, 2013 2:46:27 PM		

Single PCB View

Top View

Bottom View

Summary - General

PCB Size	125.000 mm x 95.000 mm	Copper Layers	16
PCB Thickness	1.600 mm	Solder Mask	Both
Customer Panel Size		Solder Mask Color	Green
SMD Pads Top	3449	Legend	None
SMD Pads Bottom	2437	Legend Color	White
SMD Density Top	2904 SMD/dm ²	Paste	None
SMD Density Bottom	2052 SMD/dm ²	Peeloff Mask	None
Number of Nets	1518	Carbon Mask	None
Drill Hole Density	6541 Holes/dm ²	Electrical Test	Double Sided
Holes in SMD Pads	Yes	Max. Aspect Ratio on PTH	8.0

Summary - Sequences

Type	Sequences	Tools	Min. End Dia.	Max. End Dia.	Holes	Min. Ring on Outer	Min. Ring on Inner	Min. Cr. Hole to Copper
			mm	mm		mm	mm	mm
Blind	2	2	0.100	0.100	4267	0.098	0.098	0.220
Buried	1	1	0.200	0.200	2119		0.172	0.450
PTH	1	2	0.200	1.100	1368	0.198	0.198	0.460
Plated (Total)	4	5	0.100	1.100	7754	0.098	0.098	0.220
NPTH	1	5	0.900	4.400	13			unknown
Total	5	10	0.100	4.400	7767	0.098	0.098	0.220

Faster, better planning

When you receive an order, INTEGR8TOR immediately calculates the full set of process parameter without the need to wait for CAM – providing accurate and comprehensive information related to your capability classes. Review critical locations efficiently with the dedicated CHECKPOINT review tool. By planning earlier, you gain time for time-critical jobs. By planning smarter, you minimize shop-floor downtime and increase effective plant capacity.

Cockpit Editor

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