



CNC-Cutter – Cuts through thick and thin.  
All sorts of materials.

**High velocity, consistent  
precision and easy add-  
on options**

cut **expert** ecocam 2



ENGLISH

# cut **expert** ecocam 2

- Multi-functional tool head for holding 3 interchangeable tools
- Easy-to-replace conveyor belt in light or dark colour for high contrast
- Low-wear cutting through electronically controlled Z-axis
- High positioning speed of up to 90m/min



## Easy-to-use function

- Easily exchangeable cutting tools, „PLUG & CUT“
- Intuitive user interface
- Effortless blade exchange
- Vacuum zones activatable by simple click

## Speed up ROI

- Inexpensive solution with high-value features
- Optimal material yield through nest **expert** software modules
- High velocity & consistent precision



## Fields of application

Cutting of different materials, such as: **leather**, **technical textiles**, **foam**, **plastics**, **rubber**, **composite materials**, **prepregs**, **sealing and insulation materials**, **spacer fabrics**, **foil**, **cardboard**, **corrugated board**, **packaging material**, many other **semi-flexible** materials and also some **rigid** materials.

## Request a test cut now!

You send your material to us - we take the time and carry out a **free cutting test**. This way you can see whether the cutting result meets your expectations, which cutting system delivers the optimum result - before you take the next step.

# Options



**EOT**  
Electric  
Oscillating Tool



**PRT**  
Powerful  
Rotary Tool



**UCT**  
Universal Cutting Tool /  
drag knife



**POT**  
Pneumatic  
Oscillating Tool



**KCT**  
Kiss-Cut Tool



**Router module**  
with dust removal device



**CTT**  
Creasing Tool



**V-Cut**  
Angle-cut tool



**Printer-mark  
detection**



**Camera  
registration**



**Unwinder**



**PRT – Driven rotating blade**  
up to 11,000 rotations/min



**UCT – Straight knife**  
tangentially controlled

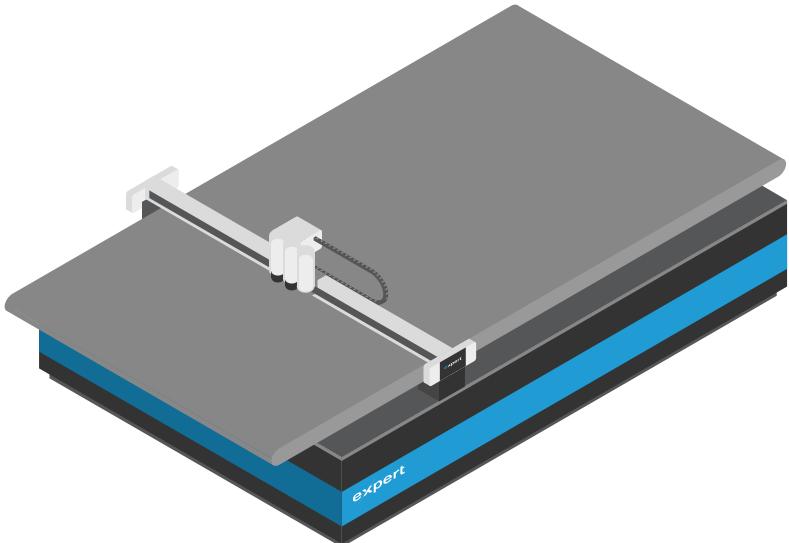
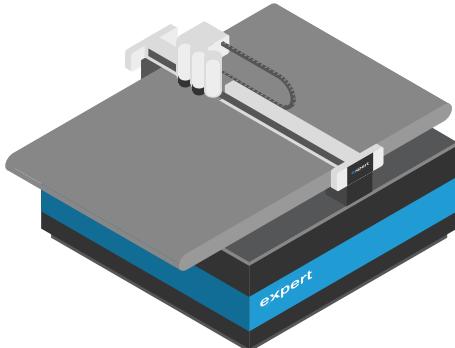


**EOT – Oscillating blade**  
up to 15,000 rotations/min



**KCT – Kiss-Cut Tool**  
cuts into the surface, not into the substrate

## Cutting area



### Standard sizes

1500 x 1000 mm	3500 x 2100 mm
1500 x 1600 mm	3500 x 2700 mm
2500 x 1600 mm	3500 x 3200 mm
2500 x 2100 mm	4500 x 1600 mm
2500 x 2700 mm	5500 x 1600 mm
2500 x 3200 mm	5500 x 2100 mm
3500 x 1600 mm	5500 x 3200 mm
	7500 x 1600 mm

Based on the standard sizes the workspace can be adapted to customer-specific requirements. An extension of the depositing or clearing area is possible depending on the table size.

## Technical specifications

Positioning speed	90 m/min
Material thickness	Standard up to 50 mm / special cutting height up to 100 mm possible
Electrical requirements	400 VAC 50/60 Hz / 63-125 A
Vacuum	selectable vacuum zones
Operating system	PC-based NC control software
Compressed air	6.0 bar / 200 L/min, standard 8.5 bar / 600 L/min, pneumatic blade
Repeatability	+/- 0.25 mm
Material layers	single-ply or multi-ply
Precision	0.1 mm

Innovative software modules from **expert** guarantee an efficient production

PPS – Production Planning System

### pattern **expert**

- Data capture of the cutting patterns
- Flexible modification of the cutting patterns
- Clearly structured Model Manager
- Open interfaces to other CAD systems

### Data acquisition



### order **expert**

- Simple combinations of models and types
- Clear selection of the material
- Connection to external ERP and PPS software such as SAP possible

### Compilation



### nest **expert**

- Best possible material utilisation through optimal placement of the cutting patterns
- Automatic and interactive nesting
- Open interfaces to other systems

### Nesting



### pick-up **expert**

- Visual help for sorting via projection
- Simplified and manual sorting of finished parts
- Individual display possible (e.g. according to model or individual template)

### Sorting



# expert

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## **Modular technology, agile working practices, customised solutions**

Each company and each manufacturing process is unique. Our appreciation of this fact is found in our drive to develop a simple and practical solution for every technical challenge. For more than 25 years we have been designing and developing innovative automated CAD/CAM controlled cutting systems using waterjet and CNC technology – always implemented in combination with the most up-to-date digital technology designed by our in-house software engineers.

We think in **cutting** solutions.