expert
international

capture – nest – cut – absorb

Textile and leather cutting –
one affordable
combined solution

We think in **cutting** solutions.

ENGLISH

scan **expert** online

- All necessary process steps are covered
- Intuitive to operate even by untrained staff
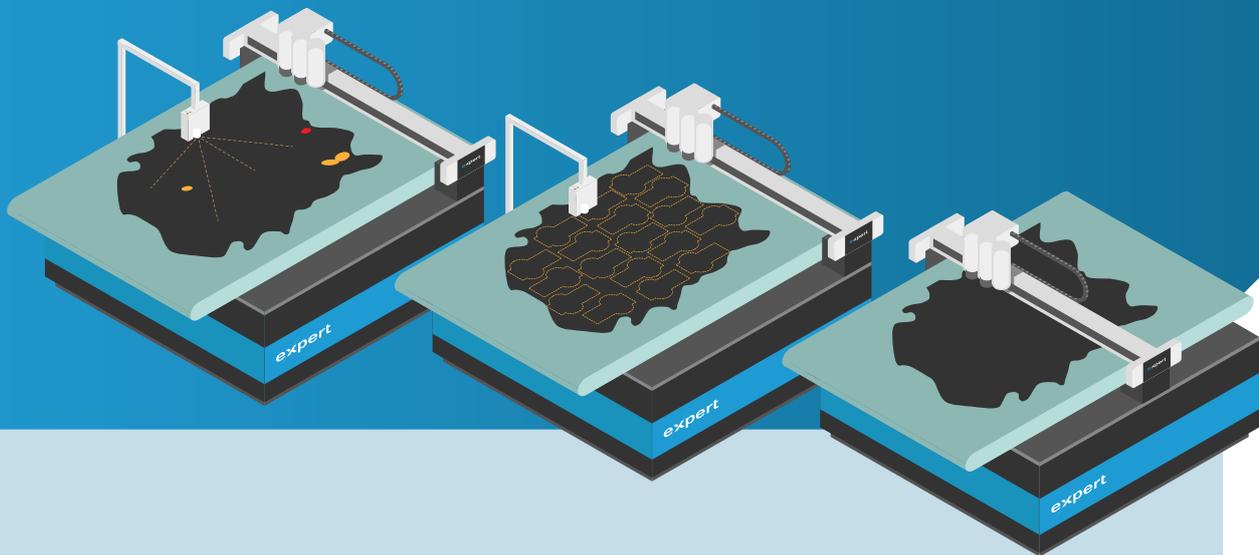- Cost-effective complete solution for SMEs

capture

nest

cut

absorb

More output & fast amortisation

- Low material consumption (up to 10% for leather compared to manual cutting)
- Quick processing through digitisation of processes
- Low acquisition cost
- Modular solution for easy expansion

Request a cutting test!

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 and which cutting system delivers the optimum result – before you take the next step.
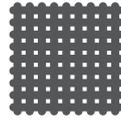
Areas of application

The system cuts a wide variety of **flexible**, **semi-flexible** and some **rigid** materials, such as:
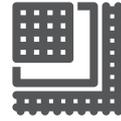
Leather	**Textile**	**Technical textiles**	**Composite materials**	**Sealing/insulating materials**
Plastics, rubber	**Foams**	**Sandwich materials**	**Corrugated board**	**Paper, cardboard, packaging**
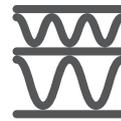
Options & Extensions

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
Barcode detection	**Camera registration**	**Projection**	**Unwinder**

Software modules

Platform-independent: **expert** software offers open interfaces by default.

pattern **expert**

- Data capture of patterns
- Flexible modification of patterns
- Modelmanager with clear lay-out
- Open interfaces to other CAD systems

scan **expert** online

- Reliable detection of defects and natural features
- Individual selection of pre-marking strategies
- Quality control via real image on monitor

order **expert**

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

nest **expert**

- Best possible material utilisation through optimal pattern placement
- Automatic and interactive nesting
- Open interfaces to other systems
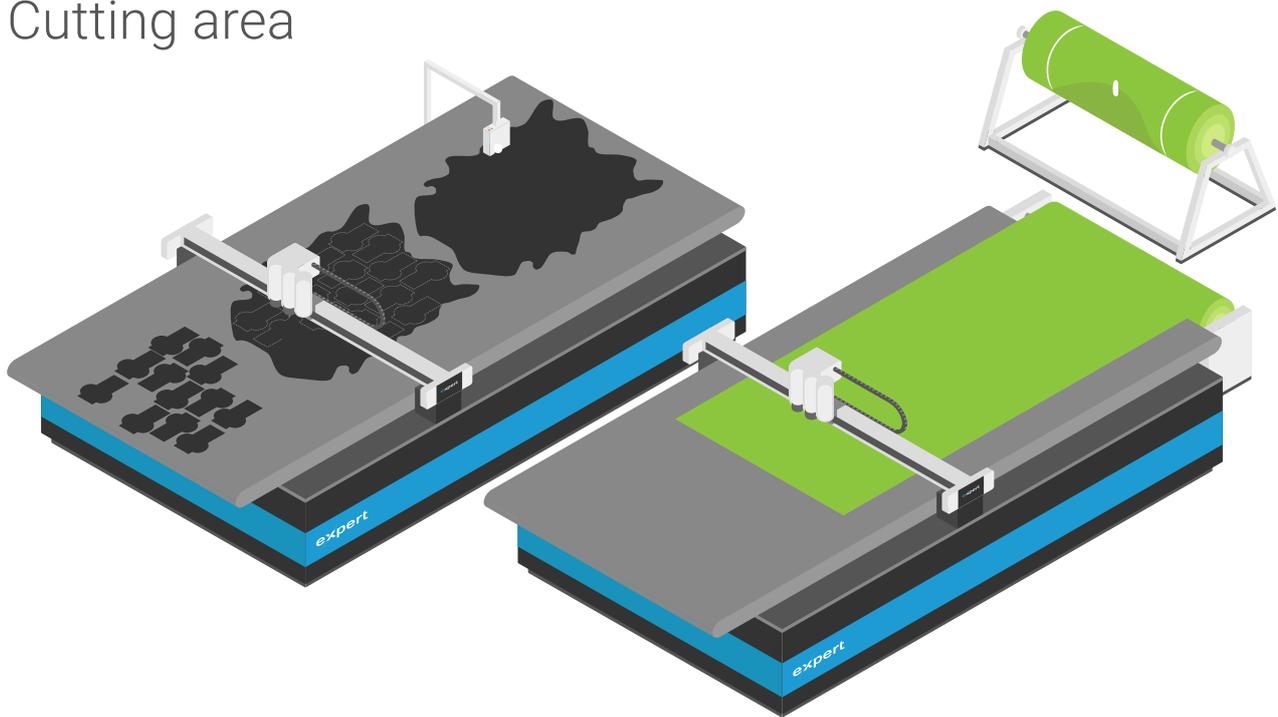
pick-up **expert**

- Visual support for unloading (projection)
- Simplified and manual sorting of the finished parts
- Individual display possible (e.g. by model or individual pattern)

Our solution tailored to **your process**.

Cutting area

Standard sizes 3500 x 3200 mm
1500 x 1600 mm   4500 x 1600 mm
2500 x 1600 mm   5500 x 1600 mm
2500 x 2100 mm   5500 x 2100 mm
3500 x 1600 mm   5500 x 3200 mm
3500 x 2100 mm   7500 x 1600 mm

Based on the standard sizes the workspace can be adapted to customer-specific requirements.
An extension of the loading or unloading 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

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EI/03/2025

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.