



## Multi-functional cutting

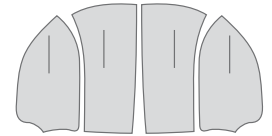
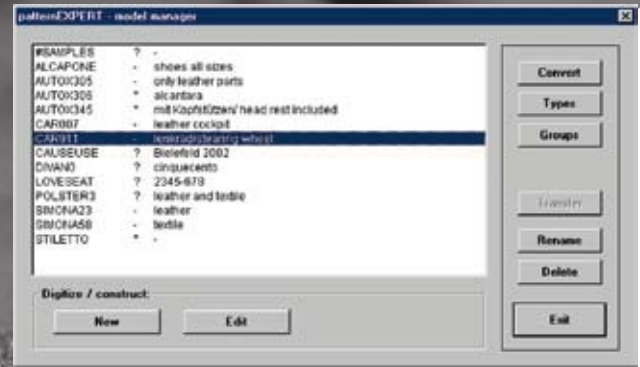
High speed and  
constant precision

**Industrial Materials**  
English

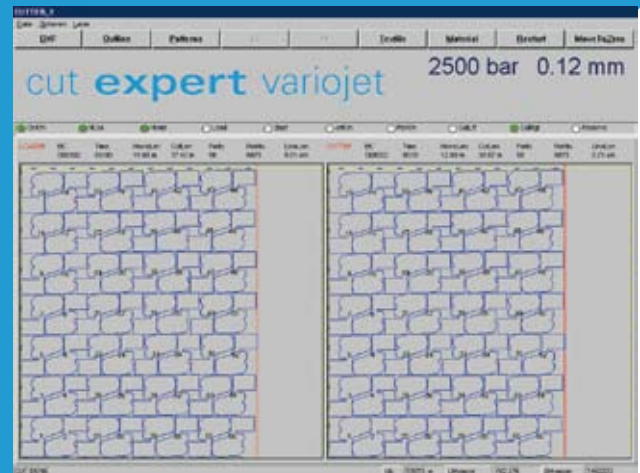
**expert**  
systemtechnik

# pattern expert:

- Optimize the data capture of your patterns
- Benefit from the clearly defined model manager
- Be flexible with any modification of your patterns
- Interface to other CAD systems



Increase yield of material by software module nest **expert** varionest, optional automatic or interactive nesting modes



# cut expert data:

- Save cutting parameters of each material you cut
- Minimise operating error
- Save operating time

Description	V [cm <sup>2</sup> ]	A [m <sup>2</sup> ]	P [bar]	Nozzle [mm]
CR 0.3 mm DIA Slaggl	15 000	1 000	2500	0.12
Cr 0.3mm dia 10 lagg	15 000	1 000	2500	0.25
Cr 1.1mm wolk 1lagg	15 000	1 000	2500	0.12
Cr 1mm dia 2lagg	10 000	1 000	3500	0.12
CR 1mm gerade 4lagg	13 000	1 000	3000	0.25
CR diagonal 0.7	30 000	3 500	1800	0.10
Cr 0.7mm 3lagg	15 000	1 000	3200	0.12
CR-FI Hornes (Trampf)	10 000	1 000	3000	0.12
CSM 700 0.5mm	20 000	3 500	2000	0.15
CSM 700 1.0mm	35 000	3 500	2500	0.15
Mischgewebe 1lagg	15 000	1 000	2500	0.12
MVO 1mm dia 10lagg roh	4 000	0.665	3500	0.20
MVO 1mm dia 10lagg roh	4 000	0.665	2500	0.20
MVO 1mm dia 3lagg roh	6 000	1 000	3700	0.12
MVO 1mm dia 4lagg roh	4 000	1 000	3700	0.12
MVO pink vulkanisiert 1.2mm	10 000	1 000	3500	0.12
MVO-HT roh dia	20 000	3 500	1900	0.20
NBR 1.1Cr dia 1lagg	15 000	1 000	2500	0.12
MVO pink vulkanisiert 1.2mm	10 000	1 000	3500	0.12
MVO-HT roh dia	20 000	3 500	1900	0.20
NBR 1.1Cr dia 1lagg	15 000	1 000	2500	0.12
NBR 1.5mm 1lagg	15 000	1 000	2500	0.12
NBR/CR 1.5mm 10lagg roh	2 000	0.665	3500	0.20
NBR/CR 1.5mm 10lagg roh	4 000	0.665	3500	0.30

## Achieve maximum results by an efficient CAD/CAM system

cut **expert** variojet offers multiple features:

- Automated cutting powered by waterjet technology with constant accuracy and high velocity
- Cutting of single or multi-layer
- Increase of production output
- High flexibility
- Adjustment to changing output-requirements
- With customized spreading device
- Multiple cutting heads available



Spreading Device:

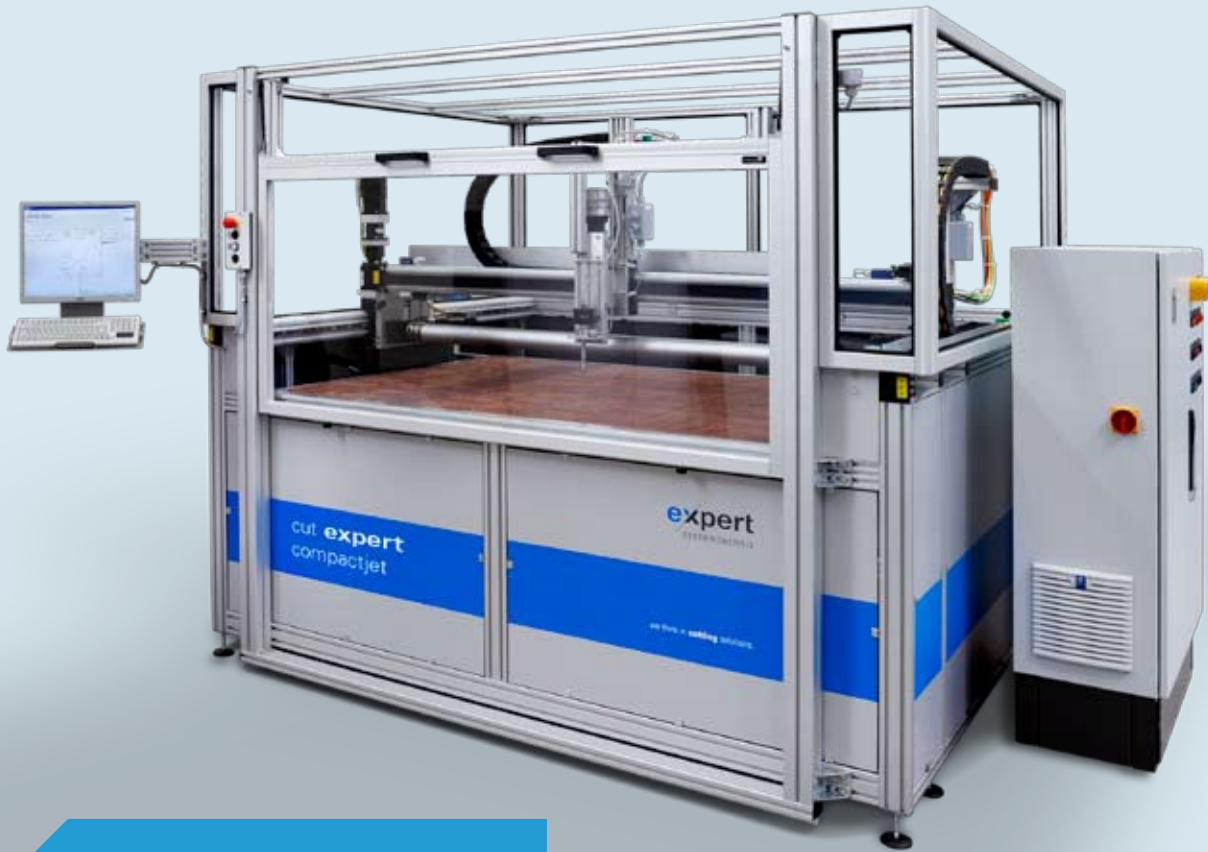
- NC controlled
- Automatic tension control
- Edge guide control
- Ply counter





cut **expert** compactjet:

- Designed for prototyping
- Useful for small material runs
- Laboratory testing jobs



One tool  
for numerous  
materials

With the waterjet nozzle of cut **expert** variojet and cut **expert** minijet you cut any contour no matter how complicate it is out of almost any materials.

The material feeding system of the cut **expert** variojet is flexible: material rolls of max. 180 cm width or plates.



## Fields of application:

- Prepregs
- Laminates
- Polymers
- Foams
- Rubber
- Composites
- Leather
- Foils
- Plastics
- Cardboard
- Cork
- Wood
- Lining
- Acoustic insulation
- Thermo insulation
- Industrial fabrics

## Technical data

<b>Repeatability</b>	<b>± 0.2 mm</b>
<b>Velocity</b>	<b>70 m/min</b>
<b>Acceleration</b>	<b>max. 4,5 m/sec<sup>2</sup></b>
<b>Software</b>	<b>Windows 7</b>
<b>Main supply</b>	<b>Power supply, compressed air, water</b>

individual formats on request



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we think in **cutting** solutions.

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