

TEXCUT

3001

3025

3055

3070

TEXCUT 3001

FOR SINGLE LAYER

TEXCUT 3025

FOR LOW LAYERS

TEXCUT 3055

FOR MEDIUM LAYERS

TEXCUT 3070

FOR HIGH LAYERS

Blouses

Curtains

Tents

Jackets

Sofas

Filters

Car-seat covers

Tarpaulins

Slacks

Airbags

Fitted carpets

Insulation material

Armchairs

Dresses

Coats

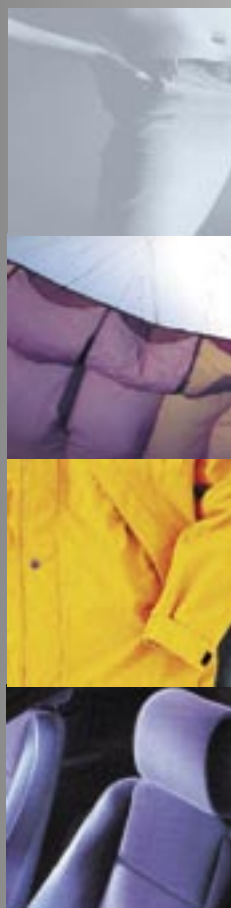
Underwear

Footwear

SPREADING AND CUTTING TECHNOLOGY



CNC-CUTTER KNOW-HOW



INNOVATIVE PRODUCTS
IN
HIGH-TECH-QUALITY

The requirements of an increasing global market mean that the present processes in many areas of manufacturing industry are being updated. In many cases, this is leading to tasks, carried out manually up to now, being transferred to machines.

For this requirement, a technology is needed that is capable of increasing the productivity already achieved but at the same time is simple enough to allow even beginners to become familiar with automatic cut processing.

With the TexCut models, Kuris has met these requirements.

High Layers

- bristle belt with cutting window 2.2m or 3.5m allows optimal adjustment to the size of the parts and patterns
- outstanding cut quality even with single cuts, difficult contours or hard materials through automatic compensation of knife flexing (option: Smart Knife)
- high cutting speed guarantees high, effective performance even with single layer
- reduced energy consumption through economic vacuum unit, optimal adjustment of vacuum performance (option)
- very simple operation through well-proven user-guidance system
- service-friendly through standardized component-parts, low-maintenance
- rapid and convenient knife and cutter-head replacement through patented service position
- automatic parallelism check – avoids subsequent manual alignment of layer package
- automatic plausibility check – avoids faulty cuts through faulty operation



Single Layer

Application

For cutting industrial textiles and special materials such as foils and veneers, aramide and glass fibers, prepregs and insulation material, sport and leisure articles, etc..

For sample and series production in the clothing, furniture and automobile industries.



TexCut 3001 C



3001 C with Conveyor and Clearing Zone

H I G H L A Y E R S

OPTION

- Unit transversally movable for taking layer packages from several spreading tables
- Pattern repeat software
- Electronic knife-break control
- Pen
- Hollow drill device for drills up to 20mm diameter

Economic

Easy to use with above-average performance and excellent cut quality.

With "OptiTex™" software in combination with rugged German engineering, these cutters are the basis for economic garment manufacture.



TECHNICAL DATA

	SINGLE LAYER	HIGH LAYERS		
	3001 S/C	3025	3055	3070
Max. Cutting Height (Compressed)	10 mm	25 mm	55 mm	70 mm
Max. Cutting Speed	80m/min	45 m/min	45 m/min	45 m/min
Positioning Speed	90/min	60 m/min	60 m/min	60 m/min
Working Widths (other widths on request)	1,55/1,85/2,15m	1,90 / 2,20 / 2,40 m		
Total width of Base	1,90/ 2,20/ 2,50m	2,25 / 2,55 / 2,75 m		
Total Length of Base	2,90m (Basic modul)	3,20 / 4,50 / 5,50 m		
Extension Module	1,20m bzw. 2,40m	2,25 / 2,55 / 2,75 m		
Effective Cutting Length	2,20m (Basic modul)	2,20 / 3,50 / 4,50 m		
	plus extension	2,00 / 2,50 / 3,30 / 4,30 m		
Length of clearing area		2,10 / 2,40 / 2,60 m		
Total width of clearing belt		3,30m (Basic modul)		
Total Length of Cutter unit	3,30m	5,20 / 5,70 / 7,80 / 9,80 m		
	plus extension	230 / 400 V, 50 / 60 Hz, 3-Phase		
Operating Voltage		2,5 kW		
Connected Load		4 kW		
Cutter incl. clearing belt	2,5 kW	11 / 15 / 22 / 30 kW		
Economic Vacuum Unit	7,5 kW	10 l/min		
Compressed Air (5-6 bar) (for Drill Unit)	8 l/min	230 l/min (transient)		
Weight of Cutter Unit	approx. 900 kg	ca. 3600 - 3900 kg		
Weight of Vacuum Unit	approx. 300 kg	ca. 100 - 800 kg		

TEXCUT 3001

FOR SINGLE LAYER

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FOR LOW LAYERS

TEXCUT 3055

FOR MEDIUM LAYERS

TEXCUT 3070

FOR HIGH LAYERS

The changing of the knife can be carried out very rapidly and very easily by running the cutter head to the service position.



The Smart-Knife option is the intelligent solution for a perfect cut from the top to the bottom layer, even when cutting heavy materials (automatically without manual readjustment).



Photo: Cutting head with camera

Knife head

Short set-up times allow maximum use to be made of the knife. In addition, knives are equipped with a quick-change system allowing the knife to be changed within a few seconds.



Control system

The components of the unit have been developed by Kuris to ensure optimal cutting qualities. All the relevant channels are available for the import and export of data.

Benefit for the customer

- High process reliability through the direct linking of the Kuris CAD/CAM Software solution.
- Economic production
- Unproblematic cutting of thin cutting lines. Systematic optimization of the cutting parameters to the application of the individual customer.
- Minimum loss of time and material through the possibility of continuing an interrupted cutting operation at the same place
- Application of new design concepts
- Lettering of parts possible
- Low part costs through efficiently arranged cutting processes and low purchase price
- Reliable, application-oriented cutting technology through Kuris innovations.



Drive

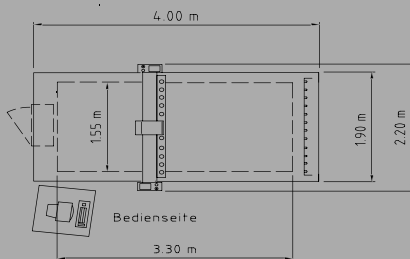
The dynamic drive system via servomotors guarantees high torque and acceleration even at low speeds. The result is a rapid and precise positioning of the cutting frame.



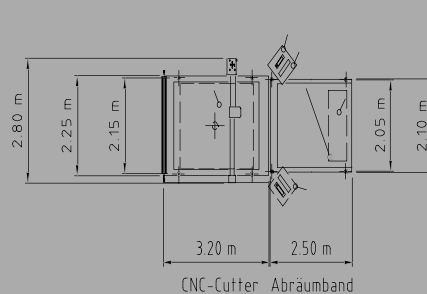
User terminal

The ergonomically designed terminal, equipped with keyboard and mouse, assures a user-friendly operation of the machine. Its systematic and efficient operation is also facilitated by the simple and plausible user-guidance system and the availability of technology data accurately matched to the cutting process.

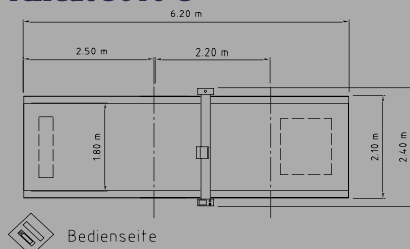
TexCut 3010 S



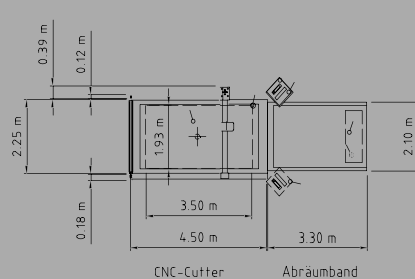
TexCut 3025/ 3055/ 3070 KS



TexCut 3010 C



TexCut 3025/ 3055/ 3070 LS





The long experience and innovative thinking of the Kuris Company is the basis for the unforgettable speed and competence of support for its customers and perfect service throughout the world. We offer an optimal product range for the complete cutting room from a single source.

Product program :

- Fully automatic cutting technology
- CAD Software solution
- Round knife cutting machines
- Straight knife cloth cutters
- Servo-Cutter-Automatic
- Bandknife cutting machines
- Manual, semi-automatic and fully automatic spreading machines
- Cutting and spreading tables
- Conveyor belt tables
- Special machinery fabrication
- INDUSTRIES :**
- Clothing industry
- Automobile industry
- Aviation and space industry
- Industrial textiles
- Furniture industry
- Construction industry
- Boat building
- Railroad construction



Kuris, the specialist for innovative spreading and cutting technology. Our wealth of experience is demonstrated by more than 10.000 installations worldwide. The comprehensive product program provides the right solutions for your needs as well.

-We will be happy to advise you!



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HIGH-TECH-QUALITY



Outstanding CAD/CAM software solution supports the implementation of automatic cutting and design. Please ask for our special CAD-CAM brochure.

SINGLE LAYER



TexCut 3001 for the processing of single layers of industrial fabric.



Hard fiber board for transformers.

Depending on the cutter head, you can cut up to 10-mm carpets and industrial materials on TexCut 3001. Textiles up to 5mm.



TexCut 3001 cutting pattern: floor covering for aircraft, glassfiber material (GFK), fitted carpet, conveyor belt, industrial textile, soft-top/tilt fabric.

MULTI-LAYERS



TexCut 3070 multi-layer knife cutting 70-mm foam.



Multi-layer fabric fibers during processing on the TexCut 3070 (Figs. top and bottom).



Ready-cut foam parts.



Areas of application

The knives can be used for material thicknesses of up to 70 millimeters, depending on their ratings. They excel in efficient cutting for a number of specific applications and are used in numerous branches of industry.



Power wheel



Oscillating knife

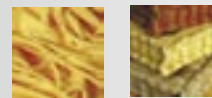
Ultrasound head

Milling head, add-on

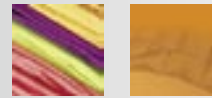
Camera system with pattern software

Especially appropriated for:

Textiles



Plastics



One of our strong points is the ability, in an economic manner, to integrate materials of the most diverse quality in cutting operations.

Glasfiber Material



Spreading and cutting machines are available in realistic demonstration rooms not only for general demonstration purposes but also for trial runs with your own materials.

Composite Materials



Make an appointment with us.

WITH THE TEXCUT YOU CAN PRODUCE HIGH QUALITY PRODUCTS FOR THE MOST DIVERSE BRANCHES

