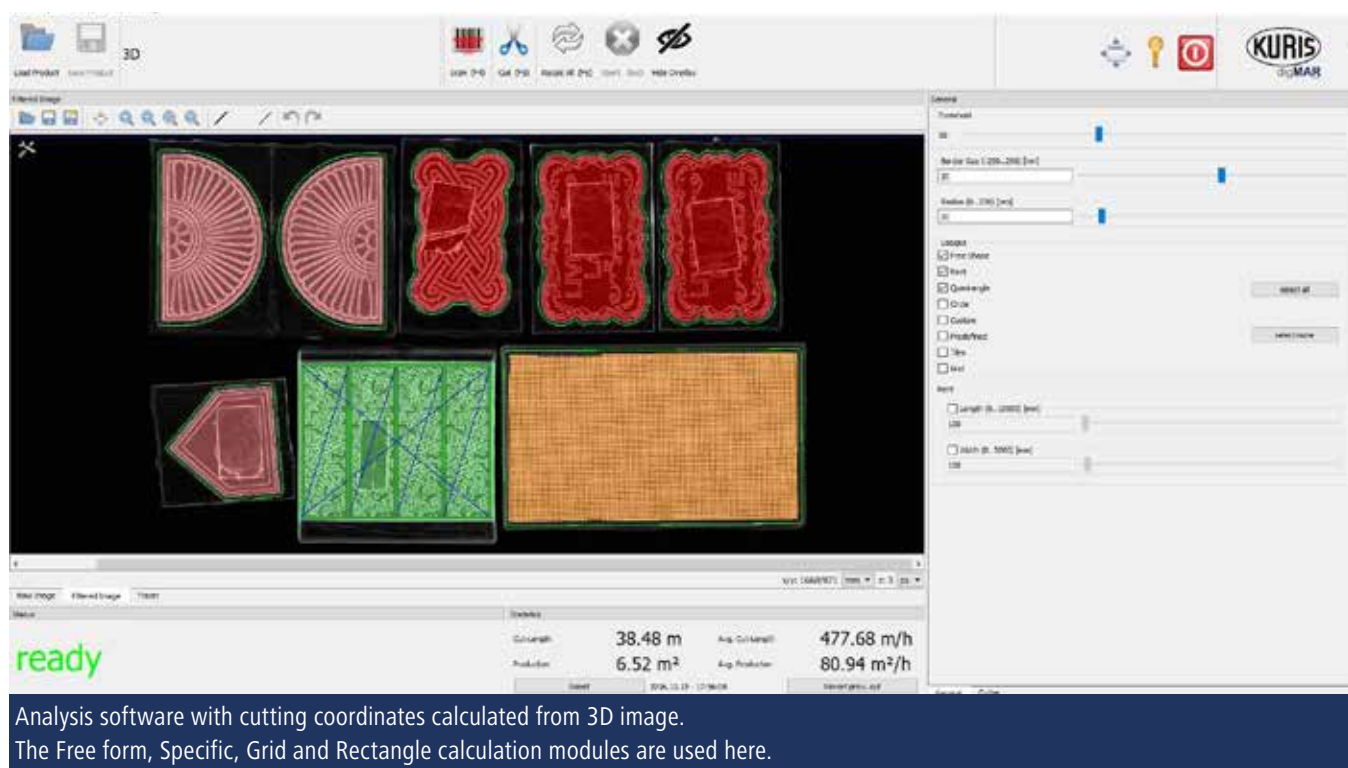


## visitexLOC from KURIS powerd by digMAR



The visitexLOC image processing system was developed specifically for use on textile and carpet cutting machines of the company KURIS and is used for automatic calculation of cutting coordinates.

Depending on the customer requirement, the materials which are to be cut are scanned in 2D or 3D using the very latest camera technology. The cutting coordinates calculated from this are then passed on for further processing to the cutting machine.



Analysis software with cutting coordinates calculated from 3D image. The Free form, Specific, Grid and Rectangle calculation modules are used here.

### TECHNICAL DATA:

Max. cutting height: ..... 40 mm (depending on tool)  
 Max. cutting speed: ..... 70 m/min  
 Max. positioning speed: ..... 100 m/min  
 Max. acceleration: ..... 7 m/s<sup>2</sup>  
 Nominal working widths (Y): ..... 1.75 m / 2.15 m / 2.75 m / 3.25 m / 4.05 m  
 Table widths: ..... 2.10 m / 2.50 m / 3.10 m / 3.60 m / 4.60 m  
 Nominal working lengths (X): ..... 2.30 m / 3.50 m / 4.50 m  
 Total lengths: ..... 3.80 m / 5.00 m / 6.20 m  
 Weight of the cutter: ..... 1950 kg / 2300 kg / 3800 kg  
 Working height: ..... from 0.85 m

**Operating voltage:** ..... 400 V, 50/60 Hz  
 Connected electrical load  
 Control / drives: ..... 4 kW  
 Vacuum unit: ..... 7.5 kW / 11 kW  
 Average consumption: ..... 8 kW  
 Fuse: ..... 35 A (5x6mm<sup>2</sup>)  
 Protection class: ..... Class 1  
 Compressed air (5-6 bar): ..... 10 l/min



### Options:

- Basic head
- Carpet head
- Drawing device
- Drilling device
- Milling device
- Drag knife
- Driven round knife
- Oscillating knife 1 stroke, 2 stroke, 5 stroke
- Zone vacuum
- Printhead

**Noise level:** 57 - 74 dB(A)

**Mark of conformity:** CE



Compact, fast and reliable! The single-ply cutters from Kuris are the fourth generation of the proven cutters which has been completely overhauled and optimised. They are noted for the cutting heads with a programmable Z-axis.

The machines are all designed for maximum productivity and optimum production quality. The tool technology can be adapted individually and precisely to the respective material. This means that optimum cutting conditions are always achieved. The fourth generation is equipped with the Multiflex change system. As well as offering extremely short plunge times, this system also offers a persuasive choice thanks to the fast positioning and cutting speeds. In addition, the tool-change system reduces the set-up times considerably because fewer adjustment operations are required.

The comprehensive product range also allows solutions tailored to your particular needs. In our showroom, spreading and cutting machines are available both for general demonstrations and for testing with your own materials.

Arrange an appointment with us.  
 We will be delighted to advise you!



**DEMONSTRATION VIDEO**  
 Scan QR-code or visit  
[www.kuris.de/video/scanner](http://www.kuris.de/video/scanner)

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 D-73326 Deggingen - Reichenbach  
 Fon: +49 (0) 73 34 - 9 24 80 - 0  
 Fax: +49 (0) 73 34 - 9 24 80 - 69  
 E-Mail: [info@kuris.de](mailto:info@kuris.de)



## COMPACT SCANNING SOLUTION

CAMERA SYSTEM FOR AUTOMATIC  
 RECORDING – RECOGNITION – CUTTING





# RECORDING – RECOGNITION – CUTTING



**The integrated camera system** is used to photograph the textiles / carpets. The cameras allow a rapid shot and direct display of the scanned image. The intuitive "visitexLOC" user interface makes it possible to handle the system very quickly. Simple communication between software and cutter.



The software is used to process and filter the scanned images so that the screening is produced directly for cutting. The cutting files are transferred directly from the scanning software (visitexLOC) to the HMI, without any additional commands from the operator. No CAD files are required.



**Developed to meet the toughest demands.** Cutting head with a high stroke rate (14,000) and special double-edge knife with 15 mm cutting height.

**In addition, the modular cutter can be equipped for the following applications:**



The cutter achieves positioning speeds of up to 100 metres per minute and, depending on the type of material, the cutting speed is up to 70 metres per minute. The machine is optionally available with a 7.5 or 11 kW vacuum pump. The standard user interface and menu navigation ensures that the machine operator can quickly get to grips with the machine across a range of technologies. Operating errors and the cost of training are drastically reduced. Even at high speeds, the machine cuts consistently and reliably. The mobile and innovative control system is very user-friendly.

- BENEFITS:**
- + Speed
  - + Precision
  - + Fast tool change
  - + Short set-up times
  - + Mobile operator terminal
  - + Outstanding cutting quality
  - + Smooth operation
  - + Long lifespan
  - + Easy to service
  - + Easy to operate



**Cleaning brush:** This optionally available cleaning unit eliminates any cutting residues.

# visitexLOC von KURIS powerd by digMAR

As well as the possibility of increasing or reducing the size of the scanned shapes as you wish, it is also possible to round off corners if necessary. Different calculation modules which can be adapted to suit the customer requirement help the operator to determine the optimum cutting coordinates.

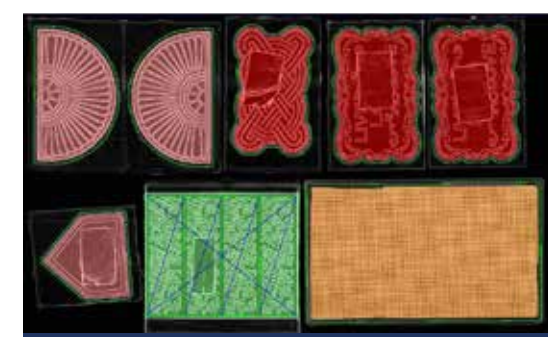
The predefined standard calculation modules help the operator to determine the optimum cutting coordinates:

- **Free form**
- **Rectangle:** Fixed predefined values can also be defined for the size of the rectangle.
- **Quadrangle** (no 90° angles)
- **Circle:** Fixed predefined radiuses can also be defined.

As well as the standard calculation modules, specific, individual calculation modules are also available:

- **Specific:** This makes it possible to create as many customer-specific and freely definable modules for vector calculation as you wish, and they can be applied to shapes found within a scan.
- **Predefined:** Use of shapes predefined in a file. The file types dxf, pcx, bmp, tif, png, jpg are supported
- **Tiles:** Places a freely definable matrix of sub-shapes over the shape which is found. As well as rectangles, these sub-shapes can also be circles or – if the module is enabled – predefined shapes.
- **Grids:** Places a freely definable grid over the shape which is found.

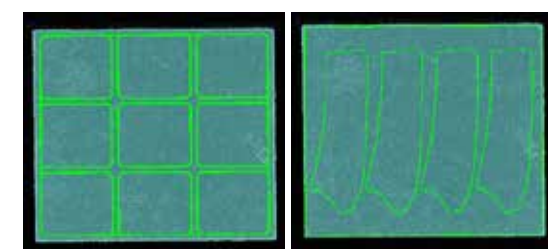
All calculation modes can be adapted to the customer requirements, optimised and also saved separately.



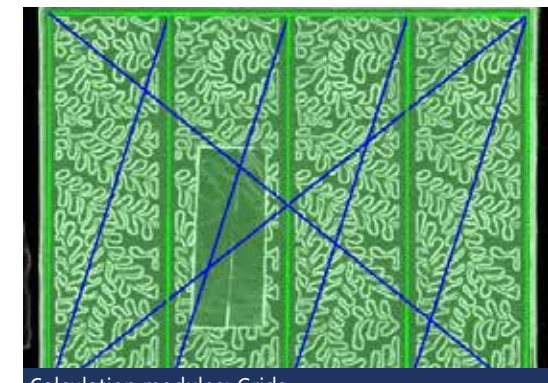
Calculation modules: Free form, Specific, Grid and Rectangle



Calculation modules: Predefined



Calculation modules: Tiles



Calculation modules: Grids

Statistic			
Cut Length	38.48 m	Avg. Cut Length	477.68 m/h
Production	6.52 m <sup>2</sup>	Avg. Production	80.94 m <sup>2</sup> /h
Reset		2016.11.15 - 17:56:08	
		Revert prev. cut	
General			

**The optional statistics module**

The statistics module, which is likewise available individually, can be used to easily determine production-relevant data such as cut lengths, areas and the number of mats. At the end of a shift, for example, this information can be sent by e-mail (also as a csv file).