



# DATA CUT

---

## Veneer cutting



New system  
to **veneer cutting**



# Make use of the new possibilities for manufacturing marquetry.

Let our fantasy take control. You design the motif on your PC with its various possibilities for picture processing. The veneer will be cut out automatically using the patented cutting head.

## Advantages in comparison to manual work:

- increase in productivity
- reduction in costs
- no unnecessary work
- automatic - quick - precise
- inexpensive - uncomplicated



## Creative with the PC

You can design and process your motif with the PC. You can design a motif in accordance with your own desires or use finished motifs, altering them to suit your wishes. You can draft special signatures and signs using designer scripts. The possibilities for creative design are practically limitless.

### For reading in the motif sources, you can use:

- Photo CD with your own pictures or finished CLIP-ARTS
- Scanner for printed copies i.e. pictures, photos, symbols, company logos
- Video card for reading in video formats VHS, SVHS, Hi 8, Super 8

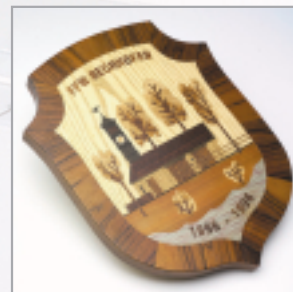
### You can use the versatile possibilities of the various graphic programmes for the processing of motifs. i.e.

- infinitely variable size alignment
- copying, mirroring
- turning, tiltings
- suberimposition, perspectives
- overlapping, blending

The possibility of setting up a range of colours for the veneer which are used allows you to determine the colour development of the individual veneer sections and to implement an optimum composition of veneers in advance on the monitor, thus preventing unpleasant surprise.

Drafts which have been completed can be cut as often you wish or be aligned to suit the wishes of the clients by a quick adjustment.

The cutting table can be easily set using the menu control.





## DATA CUT- Cutting Table

The vacuum suction table holds the veneer securely. It is not necessary to mechanically clamp or stick the veneer. Surface damage is avoided. Even wavy veneers are sucked flat, held securely and cut without difficulty.



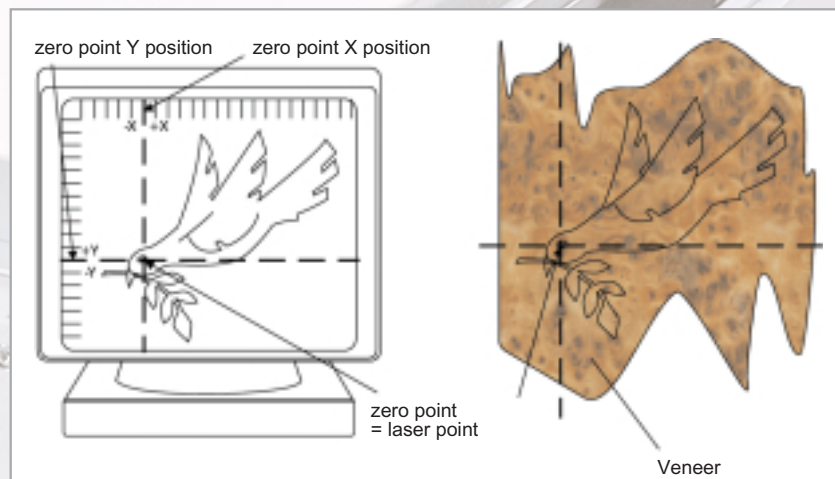
## DATA CUT- Cutting Head

The cutting knife works with extreme precision and without generating chips, thus ensuring that the workplace is always kept clean. The lack of a cutting gap allows you to create two identical, inverse-colour marquetrys at the same time. You can even cut brittle veneers such as moor oak without difficulty. It is only necessary to adjust the cutting depth once, even with different veneer thicknesses and up to 1,5 mm. The cutting principle creates inner corners with sharp edges. The problem of inner radii encountered when milling no longer applies. Due to the fact that the cutting forces which arise are very weak, it is possible to cut very complex patterns with ligaments of less than 1 mm width.

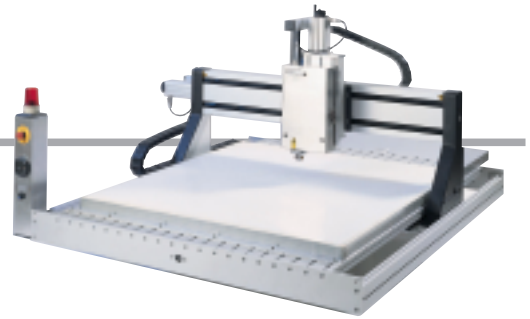


## DATA CUT- Laser Point

The laser point allows you to see the position of the cutting knife whilst setting up the veneer. It is possible to incorporate special veneer structures into the motif, i.e. the eye of the branch as a bird's eye, in connection with the free selection of the zero point.



# Technical Data



## Cutting Table

<b>Fixing surface</b>	from 600 x 500 mm	to 1200 x 1500 mm	Other sizes
<b>Cutting surface</b>	from 350 x 290 mm	to 1040 x 1250 mm	to 3000 x 2000 mm
<b>Material fixing</b>		Suction table	on request



## Cutting Head

<b>Tools</b>	Tangential-controlled lance
<b>Cutting performance</b>	Veneer 1,5 mm, card 2 mm, Material independent up to max. 3mm
<b>Cutting depth</b>	Separation cut, independent of material thickness
<b>Cutting speed</b>	variable, max. 30 mm/s
<b>Repetition exactness</b>	± 0,015 mm
<b>Manuell cutting head positioning</b>	Using monitor menu in stages of 10 - 1 - 0,1 - 0,001 mm or joystick
<b>Minimal ligament strength</b>	0,8 mm dependant on the cutting length and material width



## Control Unit

<b>Resolution of control software</b>	0,0001 mm
<b>Interface to the PC</b>	RS 232
<b>Main connection</b>	230 V 50 Hz or 110 V 60 Hz
<b>Power input</b>	290 VA including Cutting table and cutting head
<b>Width/depth/height</b>	550 x 500 x 180 mm



## Overall System

<b>Operating temperature</b>	10°C - 30°C surrounding temperature
<b>Relative humidity</b>	40 - 80 % non-condensing

Modifications of the technical data are reserved.

Your local Distributer



**DATA CUT**  
**Schneidsysteme**

Fa. Baumann · Finkenschlag 4 · D-90547 Rosstal  
Telefax +49 (0) 91 27-14 00 · Germany  
e-mail: datacut@web.de

[www.datacut.de](http://www.datacut.de)