

With the Universal Cutting Machine, improve production and lower costs

**Economical**  
Resulting from its ease of use and low procurement costs, the Universal Cutter is economically viable even for small quantities or samples. It can cut up to 6000 pieces per hour. When used for just one hour per month, it pays for itself by saving the 5-10 hours which would be required to cut the same quantity by hand.

**Highest Quality of Cut**  
Self-sharpening blades guarantee more than one million cutting cycles when used correctly. The upper blade can be swung up by hand. A material blockage can easily be cleared. The blades can also be easily exchanged or cleaned.  
Each blade has two cutting edges. Simply by turning them over, the life of the blades is doubled.  
Both feed rollers are motor driven to protect the material surface and ensure precise lengths of cut material.

**Easy Operation**  
The Universal Cutter is controlled by a micro-processor, therefore its use is easy and comfortable. A two row Liquid Crystal Display shows all values, conditions and faults.  
The operator is led step-by-step through the programme. The length of material required, the number of cuts, and the feed rate are requested consecutively.  
The length of material provided by the test cut can be checked immediately using the built-in tape measure. Any alteration can then be made before starting automatic operation.

**Material**  
The Universal Cutting Machine can cut a wide variety of materials:  
Flat Cable AWG 22-AWG 32  
Round Cable 1 - 6mm (3x1.5 □)  
Piping,  
ø up to 30mm. Side up to 2.5mm thick.  
ø up to 50mm. Side up to 1.5mm thick.  
Paper, Cardboard up to 250g/m<sup>2</sup>  
Foil and Banded Material.

The quality of cut is dependant upon differing factors, eg. Surface, Hardness, etc.

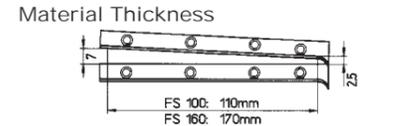
It is best when you send us a sample of the material you wish to cut. We will carry out cutting tests at short notice on your behalf.



The Advantages at a Glance  
→ Easy Operation  
→ Precision Cutting  
→ Economical

**Universal Cutter FS 100/160**

Breadth of Cut FS 100 max. 100mm  
FS 160 max. 160mm



Cutter Speed 2 Cuts/Sec.  
Feed Rate 50 - 300mm/Sec.

Cutting Performance

Feed	Material Length	Pieces/Hour
150mm./Sec.	100mm.	2 400
300mm./Sec.	25mm.	6 100

Number of Cuts 1 - 999.999  
Material Length 10mm - 10m  
Setting in 1mm steps

Programming Values  
Measuring Unit mm/Inch  
Language English/French/German

Operation Keyboard  
Numerical Keys 0 - 9  
Operation Keys Enter, Erase, Clear  
Function Keys 1. Start, 2. Stop  
3. Single Cut, 4. Feed, 5. Programme

Display 2 x 20 character LCD  
Sensors End of Material,  
Cutter Basic, Setting, Cutter Cover Open

Fault Reporting in Display  
Operating Mode Manual Material Transport,  
Single Cut, Automatic Operation

Power Supply 230 V~ +6/-10%, 50 Hz  
110 V~ +10/-10%, 60 Hz

Operating Temperature 10 - 35°C  
Storage/Transport Temp. -20 - 50°C  
Humidity 30 - 85% non condensing

GS/CE Approval Stamps  
Machine Safety acc. to EG Regulations

- Low Voltage Regulations (73/23/EWG)
- Machine Regulations (89/392/EWG)
- Electromagnetic Tolerance (89/336/EWG) as 93/51/EWG

FCC Requirements from part 15 of the FCC Requirements for Class A Computers

UL-Norms complied with  
Weight 10.5Kg (23 lbs)

**Reel Holder for the FS 100/160**

Spindle Diameter 20mm  
Reel/Spool External Dia. max. 600mm  
Reel/Spool Weight max. 30Kg (66 lbs)

**Unwinder for the FS 100**

Material Width max. 100mm  
Material Thickness max. 8mm  
Feed Rate 300mm/Sec.  
Electrical connection to Cutter Unit

Description	Part No.
Reel Holder for the FS 100/160	8930201

Enables reels or spools of up to 600mm in diameter and up to 30Kg in weight to be used.



Description	Part No.
Unwinder for the FS 100	8930202

Provides an additional material feed and is recommended for reels or spools which weigh more than 4Kg. Thereby any variation in the length of cut material will be avoided.



Description	Part No.
Universal Cutter FS 100	8930200
Universal Cutter FS 160	8930210

The FS 100 is an automatic precision cutting machine. The highest quality of cut is attained with the patented cutter system.

