

Robust, programmable cutter with hydraulic drive and 5,5" monochrome display.

### Customer benefits

- Extensive programming options with a memory capacity of 198 programs
- Easy knife change with automatic interruption in the lower dead end and knife fine adjustment from the front
- Machine frame with optimized stability for optimum absorption of cutting forces and greatest cutting accuracy
- Minimal maintenance requirements due to the use of novel materials

### Description of the machine

The cutter POLAR 56 is designed for one-shift operation and can be connected to a house current wall outlet. The precise and gentle swing cut is carried out hydraulically. Thus, the time of the knife spent in the lower dead end can be adapted to the material. The ultra-smooth stainless table surface allows an easy handling of the material even without air jets. Within a wide setting range the clamping pressure can be adjusted infinitely to each cutting material by means of a turning knob with scale. Bright LEDs mark the cutting line clearly visible for the operator.

The operation of the machine is done via an ergonomically positioned control panel with 5.5" monochrome display and additional membrane keypad. Recurring cutting sequences can be memorized (memory capacity 198 programs) and adapted at any time. The creation of the cutting programs is done either manually or menu-driven and intuitively via block programming. To optimize the cutting quality the pre-clamping time can be adjusted according to the material.



### Technical data

Cutting width	560 mm   22.05 in
Feeding depth	560 mm   22.05 in
Feeding height max.	80 mm   3.15 in
Clamp pressure min.	200 daN   441 lbs
Clamp pressure max.	1,200 daN   2,646 lbs
Backgauge speed on return way (0 - ...)	70 mm/sec   2.76 in/sec
Smallest cut, automatically, without false plate	15 mm   0.59 in
Smallest cut, automatically, with false plate	50 mm   1.97 in
Dimensions (w x d x h)	1,150 x 1,670 x 1,500 mm   45.28 x 65.75 x 59.06 in
Weight	575 kg   1,268 lbs
Electrical power input (apparent power)	2.2 kVA

Robust, programmable cutter for integration into the digital workflow with 18.5" touch-screen display, barcode reader, Compucut® and process visualization.

## Customer benefits

- Barcode reader for automatic cutting program creation and loading of the assigned program via Compucut®
- Process visualization for the graphical display of the material handling to minimize the risk of errors
- Machine frame with optimized stability for optimum absorption of cutting forces and greatest cutting accuracy
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The operation of the machine is done via an ergonomically positioned 18.5" touch-screen display. Recurring cutting sequences can be memorized (memory capacity 1,998 programs) and adapted at any time. Integrated in the digital workflow the cutting data is taken over directly from pre-press into Compucut® as ppf- or jdf-file. Then Compucut® generates automatically the cutting program. To start the cutting program automatically the machine is equipped with a barcode reader. Hence, the set-up time can be reduced to nearly zero. With the process visualization the handling of the material is displayed graphically and so the risk of errors significantly downsized. To optimize the cutting quality the pre-clamping time can be adjusted according to the material.



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### Description of the machine

The cutter POLAR 66 is designed for one-shift operation.

The precise and gentle swing cut is carried out hydraulically. Thus, the time of the knife spent in the lower dead end can be adapted to the material. The ultra-smooth stainless table surface allows an easy handling of the material even without air jets. Within a wide setting range the clamping pressure can be adjusted infinitely to each cutting material by means of a turning knob with scale. Bright LEDs mark the cutting line clearly visible for the operator.

The operation of the machine is done via an ergonomically positioned control panel with 5.5" monochrome display and additional membrane keypad. Recurring cutting sequences can be memorized (memory capacity 198 programs) and adapted at any time. The creation of the cutting programs is done either manually or menu-driven and intuitively via block programming. To optimize the cutting quality the pre-clamping time can be adjusted according to the material.



### Technical data

Cutting width	670 mm   26.38 in
Feeding depth	670 mm   26.38 in
Feeding height max.	80 mm   3.15 in
Clamp pressure min.	200 daN   441 lbs
Clamp pressure max.	1,500 daN   3,307 lbs
Backgauge speed on return way (0 - ...)	70 mm/sec   2.76 in/sec
Smallest cut, automatically, without false plate	15 mm   0.59 in
Smallest cut, automatically, with false plate	50 mm   1.97 in
Dimensions (w x d x h)	1,250 x 1,825 x 1,500 mm   49.21 x 71.85 x 59.06 in
Weight	675 kg   1,488 lbs
Electrical power input (apparent power)	2.4 kVA



## Cutter POLAR 66 NET

Robust, programmable cutter for integration into the digital workflow with 18.5" touch-screen display, barcode reader, Compucut® and process visualization.

### Customer benefits

- Barcode reader for automatic cutting program creation and loading of the assigned program via Compucut®
- Process visualization for the graphical display of the material handling to minimize the risk of errors
- Machine frame with optimized stability for optimum absorption of cutting forces and greatest cutting accuracy
- Minimal maintenance requirements due to the use of novel materials

### Description of the machine

The cutter POLAR 66 is designed for one-shift operation. The precise and gentle swing cut is carried out hydraulically. Thus, the time of the knife spent in the lower dead end can be adapted to the material. The ultra-smooth stainless table surface allows an easy handling of the material even without air jets. Within a wide setting range the clamping pressure can be adjusted infinitely to each cutting material by means of a turning knob with scale. Bright LEDs mark the cutting line clearly visible for the operator.

The operation of the machine is done via an ergonomically positioned 18.5" touch-screen display. Recurring cutting sequences can be memorized (memory capacity 1,998 programs) and adapted at any time. Integrated in the digital workflow the cutting data is taken over directly from pre-press into Compucut® as ppf- or jdf-file. Then Compucut® generates automatically the cutting program. To start the cutting program automatically the machine is equipped with a barcode reader. Hence, the set-up time can be reduced to nearly zero. With the process visualization the handling of the material is displayed graphically and so the risk of errors significantly downsized. To optimize the cutting quality the pre-clamping time can be adjusted according to the material.



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Smallest cut, automatically, without false plate	15 mm   0.59 in
Smallest cut, automatically, with false plate	50 mm   1.97 in
Dimensions (w x d x h)	1,250 x 1,825 x 1,500 mm   49.21 x 71.85 x 59.06 in
Weight	675 kg   1,488 lbs
Electrical power input (apparent power)	2.4 kVA



## Cutter POLAR 80 ECO

Robust, programmable cutter with hydraulic drive and 5,5" monochrome display.

### Customer benefits

- Extensive programming options with a memory capacity of 198 programs
- Easy knife change with automatic interruption in the lower dead end and knife fine adjustment from the front
- Machine frame with optimized stability for optimum absorption of cutting forces and greatest cutting accuracy
- Minimal maintenance requirements due to the use of novel materials

### Description of the machine

The cutter POLAR 80 is designed for one-shift operation.

The precise and gentle swing cut is carried out hydraulically. Thus, the time of the knife spent in the lower dead end can be adapted to the material. The ultra-smooth stainless table surface equipped with air jets allows an easy handling of the material. Within a wide setting range the clamping pressure can be adjusted infinitely to each cutting material by means of a turning knob with scale. Bright LEDs mark the cutting line clearly visible for the operator.

The operation of the machine is done via an ergonomically positioned control panel with 5.5" monochrome display and additional membrane keypad. Recurring cutting sequences can be memorized (memory capacity 198 programs) and adapted at any time. The creation of the cutting programs is done either manually or menu-driven and intuitively via block programming. To optimize the cutting quality the pre-clamping time can be adjusted according to the material.



### Technical data

Cutting width	800 mm   31.50 in
Feeding depth	800 mm   31.50 in
Feeding height max.	100 mm   3.94 in
Clamp pressure min.	180 daN   397 lbs
Clamp pressure max.	2,700 daN   5,952 lbs
Backgauge speed on return way (0 - ...)	130 mm/sec   5.12 in/sec
Smallest cut, automatically, without false plate	15 mm   0.59 in
Smallest cut, automatically, with false plate	50 mm   1.97 in
Dimensions (w x d x h)	1,500 x 1,970 x 1,500 mm   61.02 x 77.56 x 59.06 in
Weight	900 kg   1,984 lbs
Electrical power input (apparent power)	4.0 kVA



Robust, programmable cutter for integration into the digital workflow with 18.5" touch-screen display, barcode reader, Compucut® and process visualization.

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### Description of the machine

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