

# High-Speed Cutter POLAR N 78 ECO

the programmable economy model for  
industrial use with 5.5" monochrome display



Edition: 05.2019 \ Subject to technical alterations.

## Description of POLAR N 78 ECO

The High-Speed Cutter POLAR N 78 ECO is mainly used in the half-size range. Formats up to a diagonal of 780 mm can be easily handled and turned in the high-speed cutter. Cutting material with larger formats can only be turned on the front table. The high-speed cutter can be upgraded with peripheral equipment (lift, jogger) to a cutting system.

## Customer benefits

- Extended operating life of the knife as well as faster knife change thanks to POLAR OptiKnife with knife fine adjustment in the lower dead end
- Greatest cutting accuracy due to the POLAR-Positioning-System DPS with a mechanical positioning accuracy of 1/100 mm
- Highly reliable in daily use and long lifespan as a result of the stability of the one-piece machine frame, knife drive with worm gear drive and compact closed hydraulic system

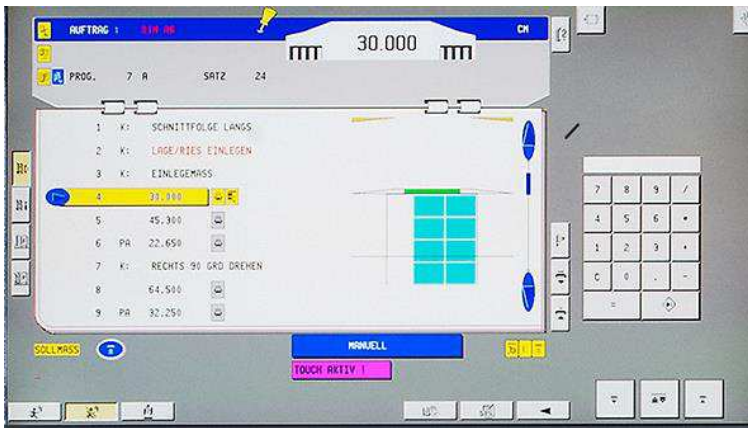
## Technical data

Cutting width	780 mm 30.71 in
Feeding depth	780 mm 30.71 in
Loading height max.	120 mm 4.72 in
Safety clamp pressure	30 daN 66 lbs
Clamp pressure, min	150 daN 331 lbs
Clamp pressure, max.	3.000 daN 6,614 lbs
Backgauge speed on return way (0 - ...)	300 mm/sec 11.81 in/sec
Knife speed	45 cycles/min
Smallest cut, automatically, without false plate	20 mm 0.79 in
Smallest cut, automatically, with false plate	70 mm 2.76 in

Further technical data are available for download on our website.

# High-Speed Cutter POLAR N 78 PLUS

with 8.5"colordisplay and Touch-Screen  
operation for all standard cutting work



## Description of POLAR N 78 PLUS

The High-Speed Cutter POLAR N 78 is mainly used in the half-size range. Formats up to a diagonal of 780 mm can be easily handled and turned in the high-speed cutter. Cutting material with larger formats can only be turned on the front table. The High-Speed Cutter has extensive features in the standard equipment already which can increase the productivity up to 20%. The high-speed cutter can be upgraded with peripheral equipment (lift, jogger) to a cutting system.

## Customer benefits

- ❖ Extended operating life of the knife as well as faster knife change thanks to POLAR OptiKnife with knife fine adjustment in the lower dead end
- ❖ High productivity by a great number of programmable additional functions
- ❖ Shortest make ready times thanks to intuitive cutting program generation via block programming or even Compucut
- ❖ Greatest cutting accuracy due to the POLAR-Positioning-System DPS with a mechanical positioning accuracy of 1/100 mm
- ❖ Highly reliable in daily use and long lifespan as a result of the stability of the one-piece machine frame, knife drive with worm gear drive and compact closed hydraulic system

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# High-Speed Cutter POLAR N 78 Pro HD

the programmable high performance model  
with a capacitive 21.5" Touch-Screen



## Description of High-Speed Cutter N 78

The High-Speed Cutter POLAR N 78 is mainly used in the half-size range. Formats up to a diagonal of 780 mm can be easily handled and turned in the high-speed cutter. Cutting material with larger formats can only be turned on the front table. The high speed cutter has extensive features in the standard equipment already which can increase the productivity up to 20%. The high-speed cutter can be upgraded with peripheral equipment (lift, jogger) to a cutting system.

## Customer benefits

- Extended operating life of the knife as well as faster knife change thanks to POLAR OptiKnife with knife fine adjustment in the lower dead end
- High productivity by a great number of programmable additional functions
- Shortest make ready times thanks to intuitive cutting program generation via block programming or even Compucut
- Greatest cutting accuracy due to the POLAR-Positioning-System DPS with a mechanical positioning accuracy of 1/100 mm
- Highly reliable in daily use and long lifespan as a result of the stability of the one-piece machine frame, knife drive with worm gear drive and compact closed hydraulic system

## Technical data

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