

High-Speed Cutter POLAR N 115 AT HD

with automatic waste disposal and
a capacitive 21.5" Touch-Screen display



Edition: 01.2024 \ Subject to technical alterations.

Description of POLAR N 115 AT HD

Model N 115 AT HD is the most-efficient of this type of high-speed cutter, featuring automatic waste disposal during the cutting process.

The High-Speed Cutter POLAR N 115 is mainly used in the medium-size range. Formats up to a diagonal of 1,150 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, buffer, transport grippers, loading and unloading system) 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

Cutting width	1.150 mm 45.28 in
Feeding depth	1.150 mm 45.28 in
Loading height max.	165 mm 6.50 in
Safety clamp pressure	30 daN 66 lbs
Clamp pressure, min	150 daN 331 lbs
Clamp pressure, max.	4.500 daN 9,921 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	25 mm 0.98 in
Smallest cut, automatically, with false plate	95 mm 3.74 in

Further technical data are available for download on our website.

High-Speed Cutter POLAR N 115 Basic

The programmable basic model with 18,5" colour touch screen for standard cutting jobs of all kinds.

Description of POLAR N 115 Basic

POLAR N 115 high-speed cutter is the basic model of high-speed cutter series N and includes two pneumatic tables with Formica surface (1000x1000mm). Additional options are not available with this model.

The N 115 guillotine is used for the 70 × 100 cm | 40" print format segment. Formats up to a diagonal of 1,150 mm | 45.28" can be easily processed and rotated on the machine. For cutting material with larger formats, these can only be rotated on the front table.

Advantages when cutting

- Easy handling
- 18,5" colour touch screen for intuitive operating
- High cutting accuracy due to the POLAR Positioning Systems "DPS" with an accuracy of 1/100 mm.
- High stability in daily use and a long service life are the result of the one-piece frame construction, the gear motor and the compact, closed hydraulic system.

Technical data



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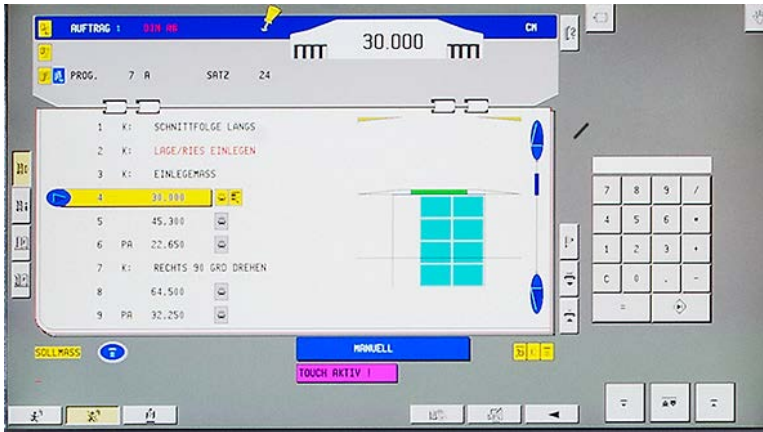
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High-Speed Cutter POLAR N 115 PLUS

the programmable all-round model
with a capacitive 18.5" Touch-Screen display



Description of POLAR N 115 PLUS

The allrounder with 18.5" color display and touch-screen operation is suitable for all standard cutting jobs. Featuring automatic graphic programming it ensures a highly-automated process.

Examples of equipment:

- ▮ Highly graphic operator guidance, with various language packages
- ▮ Change-over measurement system (metric, inch, shaku)
- ▮ Configurable user interface, OptiKnife knife changing system and many other features

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- ▮ Shortest make ready times thanks to intuitive cutting program generation via block programming or even Computut
- ▮ 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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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 due to many programmable additional functions

POLAR Maschinenvertriebsgesellschaft mbH
Hattersheimer Straße 16 – 42 || 65719 Hofheim || Germany
info@polar-mohr.com || www.polar-mohr.com



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High-Speed Cutter POLAR N 115 PRO HD

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



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Description of POLAR N 115 PRO HD

The programmable high performance model with a capacitive 21.5" Touch-Screen display and real image preview is ideal for high-end applications - thanks to job specific programmable parameter, label and distortion correction as well as an extended range of options.

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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
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