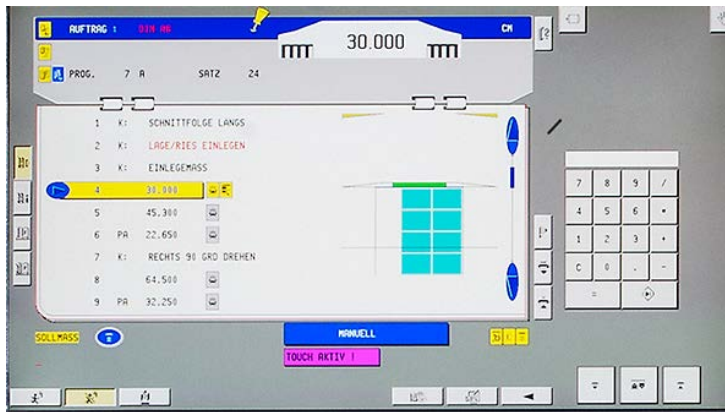


High-Speed Cutter POLAR N 115 PLUS

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

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

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- ❖ 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 PRO HD

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



Edition: 05.2019 \ Subject to technical alterations.

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.

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

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| 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 AT HD

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



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.



Edition: 05.2019 \ Subject to technical alterations.