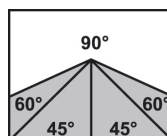




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## ARG 330 DC CF-NC Automat



3870 x 34 x 1,1

	<b>90°</b>
●	330
■	310
■	360 x 310

Main motor	400 V, 50 Hz, 3 kW
Pump motor	400 V, 50 Hz, 0,12 kW
Hydraulic motor unit	400 V, 50 Hz, 0,55 kW
Servo motor of the feed	1,3 / 2 kW
Feed rate of material	1,6 / 2,5 / 3 m/min.
Saw blade speed	15-90 m/min.
Working height of vice	850 mm
Hydraulic system oil	cca 25 l (ISO 6743/4-HM, DIN 51 524 part 2-HLP)
Coolant tank	cca 30 l
Machine dimensions (min.)	2350 x 2400 x 2100 mm
Machine dimensions (max.)	2400 x 2660 x 2100 mm
Machine weight	1320 kg

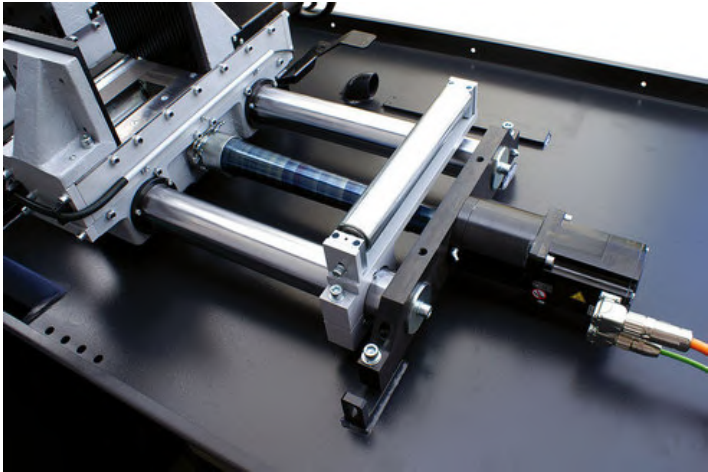
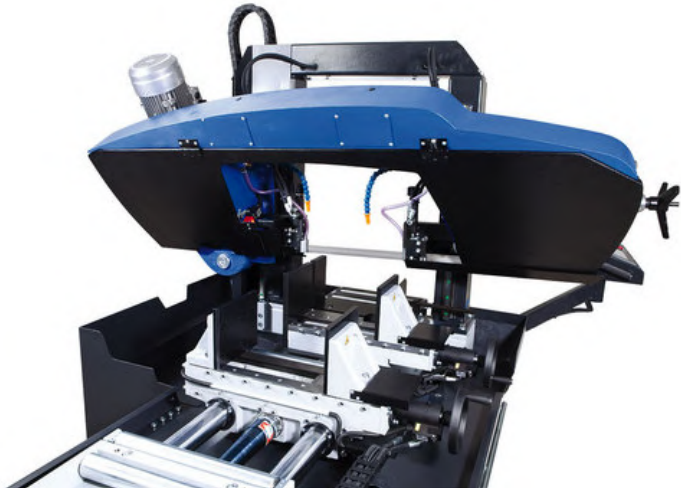
## DESCRIPTION

**Fully automated CNC band saw is generally suitable for cutting big series in the heaviest and non-stop operating plants, and also for cutting heavy workpieces of larger cross-sections. A completely new, revolutionary concept of the band saw arm casting and a unique design. The massive grey cast iron arm is entirely unique in the category of dual-column band saws. This, and the massive dual-column arm support moving on linear lines ensure excellent stiffness of the whole system and accurate cut during industrial cutting of full materials.**

The machine is equipped with a workpiece feed by industrial servomotor with a new control system. The servomotor and ball screw ensure high speed and maximum accuracy of workpiece feed, even in multiple feed when cutting long pieces. Options of setting three feed rates – 27, 42 or 50 mm/s according to weight and length of the workpiece to be cut. Maximum length of a single feed is 500 mm. Central control panel with a big colour touch screen (7.5") ensures simple intuitive control of all features of the machine. The control unit allows for programming of up to 60 programmes for quick setting of the feed length in repetitive production. Each programme can be annotated, e.g. by the drawing number. Possibility of programming and cutting of different number of pieces of different sizes without the need for further operation of the machine. The machine can be controlled in fully automatic, semi-automatic or manual mode. In manual mode all functions of the machine are controlled separately. Workpiece clamping and arm feed into and out of the cut in the desired position according to section of the workpiece are controlled by hydraulics. The so-called "floating" design of the feed vice ensures accurate feeding of uneven and crude workpieces. Regulation of pressure of the feeding and fixed vice is included in the standard equipment. Maximum cutting efficiency is maintained also thanks to the possibility of setting optimum saw band rate by a frequency converter in the range between 15 and 90 m/min., which significantly contributes to cutting accuracy and service life of saw bands. Maximum accuracy of workpiece feeding is based on a very robust construction of the machine with all the main parts made of grey cast iron and massive framework of the feeding system. Large base and overall massive framework guarantee exceptional stability of the machine even when cutting heavy workpieces. The base is equipped with a large removable chips container and allows for installation of an optional worm chips container. Industrial band 34 x 1.1 mm is manufactured in many versions and allows for cutting of wide range of materials, including stainless steel or tool steel.

- In order to achieve maximum accuracy of material feed the machine is designed only for upright cutting.
- Very robust machine framework composes of castings from grey cast iron and ensures vibration absorption.
- Large diameter running wheels and precise three-side hardmetal guiding ensure long service life of the band and cutting accuracy. Large diameter running wheels and precise three-side hardmetal guiding ensure long service life of the band and cutting accuracy.
- Overdesign of running wheel bearings, tensioning wheel system and all rotary parts ensures long service life of the machine.
- Noiseless and maintenance-free band drive is provided by an industrial electric motor with worm gearbox.
- The machine is connected to a complete cooling system with a high-performance pump and possibility of regulating the flow on both guiding heads independently and on two additional adjustable outlets. Coolant tank with high-performance pump is placed in the base of the machine.
- The machine checks correct tension or break of the saw band. If the saw band breaks the machine automatically switches off.
- Easy intuitive controls by ergonomically places controls on the rotary central control panel.

PHOTOGALLERY







FR\*

**Frequency converter - Standard equipment**

Enables continuous blade speed regulation between 15–90 m/min. and thus setting the optimum cutting conditions for the given material.



KL\*

**Material chute - Standard equipment**

Continuously joins the vice behind the cut and allows for easy slide of cut pieces into a container when cutting larger series. The chute construction consisting of 2 parts prevents leakage of the coolant.



SD 520\*

**Screw chips conveyor - Standard equipment**

Ensures smooth removal of chips from the machine. Reduces the time needed for the cleaning of the machine especially when cutting series of full materials producing large amount of chips.



OPL\*

**Rinse spray gun - Standard equipment**

For cleaning working space of the machine.



LED\*

**LED Light - Standard equipment**

High-quality lighting of the work area by a line of powerful LEDs with a cover. An invaluable tool especially when the lighting at the workplace is insufficient.



HVP NC 250/300/330

**Hydraulic pressure device**

Used to clamp bundles of material to be cut. It provides reliable clamping with hydraulically operated vertical pressure, working within the machine's cycle. It is installed on the fixed vice and feeding vice.



MM

**Oil mist lubrication**

Creates an oil mist that is sprayed onto the cutting edge. It replaces the use of a classic coolant, especially when cutting sections during which leakages may occur. Possibility of using organic oils.



LS

**Laser alignment**

High-quality industrial laser projects the cutting line on the material to be cut. Makes the setting of the required material length simpler, faster and more accurate.



**KDM**

**Cleaning brush**

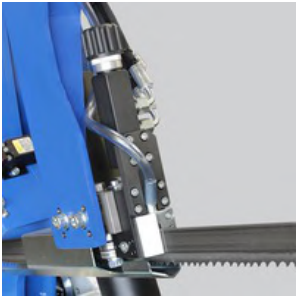
Steel cleaning brush, driven by driving wheel. Used to remove chips from the saw band behind the cut.



**KDE**

**Electrical cleaning brush**

Steel circular brush powered by an industrial motor with worm gearbox. Used to remove chips from the saw band behind the cut.



**AG 330 DC**

**Pressure regulation**

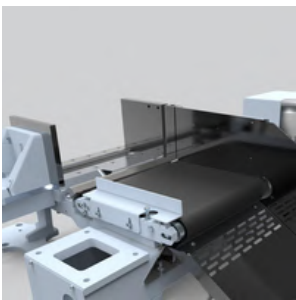
Hydraulically controlled double-side automatic regulation of saw band feed into cut according to the resistance of the material to be cut. Significantly reduces the cutting time and service life of the saw band.



**CD**

**Saw band tension indicator**

Ensures accurate tensioning of the saw band to a required value according to the pressure gauge and its control during the use of the machine. Optimum tensioning of the saw band is essential for its service life and cutting accuracy.



**EK**

**EK electric powered chute**

The belt chute enables better removal of cut material after the cut.



**M2**

**Signalling beacon M2**

Signalling beacon is designed for a remote check of the working status of the machine. Dichromatic beacon is fitted with LED lights of a high luminosity and visibility from all directions, thanks to a unique shape of lenses.

Green light – indication of a working mode of the machine, sawblade is in the cut. After cutting operation and sawblade stopping the light switches off signalling that a next cut can be started.

Red light – indication of malfunction, e.g. broken sawblade, main motor overload, opened safety cover and other failures leading to the stop of the machine.



**SDB**

**Chip container**

For easy handling is chip container equipped with wheels and swivel chip bin.



**SP separator**

**Chip separator**

The chip separator is a galvanized, finely perforated container for efficient collection of sawdust that has passed through a sieve in the base. This container is easily removable when filled and is easy to clean outside the machine.