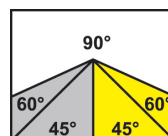


**PILOUS** 

  
**PALSON**

**SRL "Global Palson Group"**  
str. M. Sadoveanu, 11/1-98  
mun. Chisinau MD-2044  
R. Moldova  
tel: 060-171-730; 060-171-753  
e-mail: sales@palsonglobal.com  
www.palson-cnc.md

## ARG 330 F



3870 x 34 x 1,1

	90°	+45°	+60°
●	330	250	165
■	320	230	150
■	400 x 200	250 x 170	150 x 150

Main motor	400 V, 50 Hz, 3 kW
Pump motor	400 V, 50 Hz, 0,12 kW
Saw blade speed	15-90 m/min.
Working height of vice	945 mm
Coolant tank	cca 35 l
Machine dimensions (min.)	2290 x 1360 x 1660 mm
Machine dimensions (max.)	2660 x 2040 x 2060 mm
Machine weight	725 kg

## DESCRIPTION

**A completely new, revolutionary concept of the band saw arm casting and a new, unique design. The band saw arm casting is hollow in its full length and it forms a closed section. This ensures optimum stiffness of the whole system and maximum accuracy cutting. The robust band saw is generally suitable for all demanding production plants. The saw band sized 34 x 1.1 mm ensures accurate cutting of large cross-sections.**

The band is manufactured in many versions and allows for cutting of wide range of materials, including stainless steel or tool steel. The band saw arm uplift is manual; the feed into cut is carried out by the weight of the arm, with the possibility of smooth continuous regulation by the oil damper butterfly valve. When the cut is finished the band saw drive automatically switches off. To facilitate easy arm uplift the machine is equipped with adjustable tension springs that allow for set-ting of optimum force required for the arm uplift according to characteristics of the material to be cut. 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. Ergonomic base allows you to install the machine even in confined spaces.

- Continuous adjustment of the cutting angle within the range 90° – 60° when the workpiece is clamped tight.
- Very robust machine framework composes of castings from grey cast iron and ensures vibration absorption.
- In order to achieve maximum stiffness of the whole system and cutting accuracy, the band saw arm is attached to a sturdy turntable on both sides in massive housing fitted with pre-stressing tapered roller bearings.
- Modern concept of the band saw arm allows for large cutting ranges in both upright and angular cutting.
- Massive arm turning system with large loading surfaces ensures exceptional stability of the machine even when cutting heavy workpieces.
- Simple locking and adjusting of the desired cutting angle on the angle scale.
- Massive quick-clamping vice ensures easy and reliable material clamping.
- 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. Coolant tank with a pump is placed in the base of the machine.
- All of electrical wiring and coolant distribution are concealed in hollow parts of the arm which means they are protected from damage.
- The new concept of the arm also brings a great simplification when changing the saw band or when cleaning the inside of the arm. You just need to open the hinged back cover of the arm and it will stay locked in the upper position.
- The machine checks correct tension or break of the saw band. If the saw band breaks the machine automatically switches off.
- Easy control by ergonomically placed controls (electrical and hydraulics) on the base of the machine.
- The machine is equipped with a hinged stop with a 500mm scale. Hinged system prevents the workpiece from jamming during cutting.



DR250/300/330\*

**Workpiece stop - Standard equipment**

Robust stop with a 500mm scale for setting the required length of the material to be cut.



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.



VP

**Pressure device**

Used to clamp the bundles of material to be cut. Ensures simple and reliable material clamping using a vertical contact pressure.



KL

**Material chute**

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.



LA 50

**Halogen lamp**

Provides good lighting of the workplace of the machine. An invaluable tool especially when the lighting at the workplace is insufficient.



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 and industrial motor with worm gearbox. Used to remove chips from the saw band behind the cut.



**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.

# CONVEYORS

