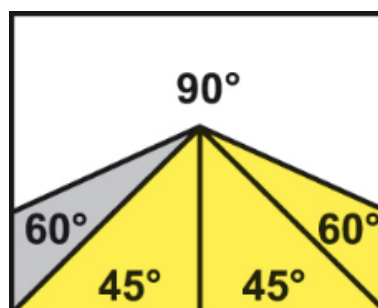
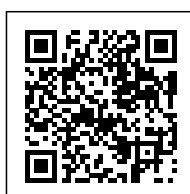




## ARG 300 PLUS S.A.F.



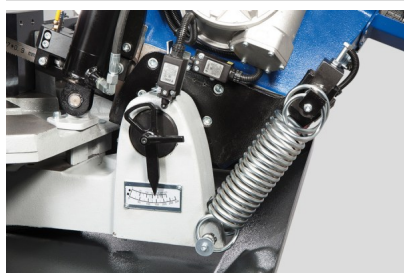
**A new unique design. An upgraded version of the legendary ARG 300 model series, manufactured for over 20 years, with a completely new saw blade arm.**



Category: [Semi-automatiques](#)



## GALLERY IMAGES



## PRODUCT DESCRIPTION

The most up to date concept of the cast iron arm creates a closed section that is hollow along its full length at all load-carrying points. This guarantees outstanding stiffness of the entire



system, maximum accuracy during cutting and a long service life of the saw blade. 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. Apart from the new saw arm design, there are many technological adjustments that improve user comfort as well as the quality and durability of the machine.

Exceptionally robust universal band saw is appraised for general use in continuous uninterrupted production plants and in workshops (work on locks, maintenance) as well. Industrial band 27 x 0.9 mm is manufactured in many versions and allows for cutting of wide range of materials, including stainless steel or tool steel. Vice system contributes to versatility of use by providing bilateral continuous setting of the cutting angle within the ranges 60° to the right and 45° to the left. The machine is equipped with high-performance industrial hydraulic unit. Pressing a single switch will execute complete cutting cycle - material clamping, band and cooling system start, cutting, band and cooling stop, arm uplift to the original adjustable position and vice unclamping. All of this in connection with hydraulics-controlled saw band feed into cut significantly increases cutting efficiency, especially in larger series and cutting of full and highquality materials. When you switch to the manual mode you can control all functions separately. Hydraulic unit allows you to set the required pressure of the vice. 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. Large base and massive arm turning system with large loading surfaces ensure exceptional stability of the machine even when cutting heavy workpieces.

- Robust machine framework consisting of castings from grey cast iron ensures vibration absorption.
- Modern concept of the band saw arm allows for large cutting ranges in upright and angular cuts.
- Simple locking and adjusting of the desired cutting angle on the angle scale with stops fixed at 60° to the right and 45° to the left.
- The turntable rotates along with the saw band. Thanks to that the saw band does not cut into the loading surface of the vice.

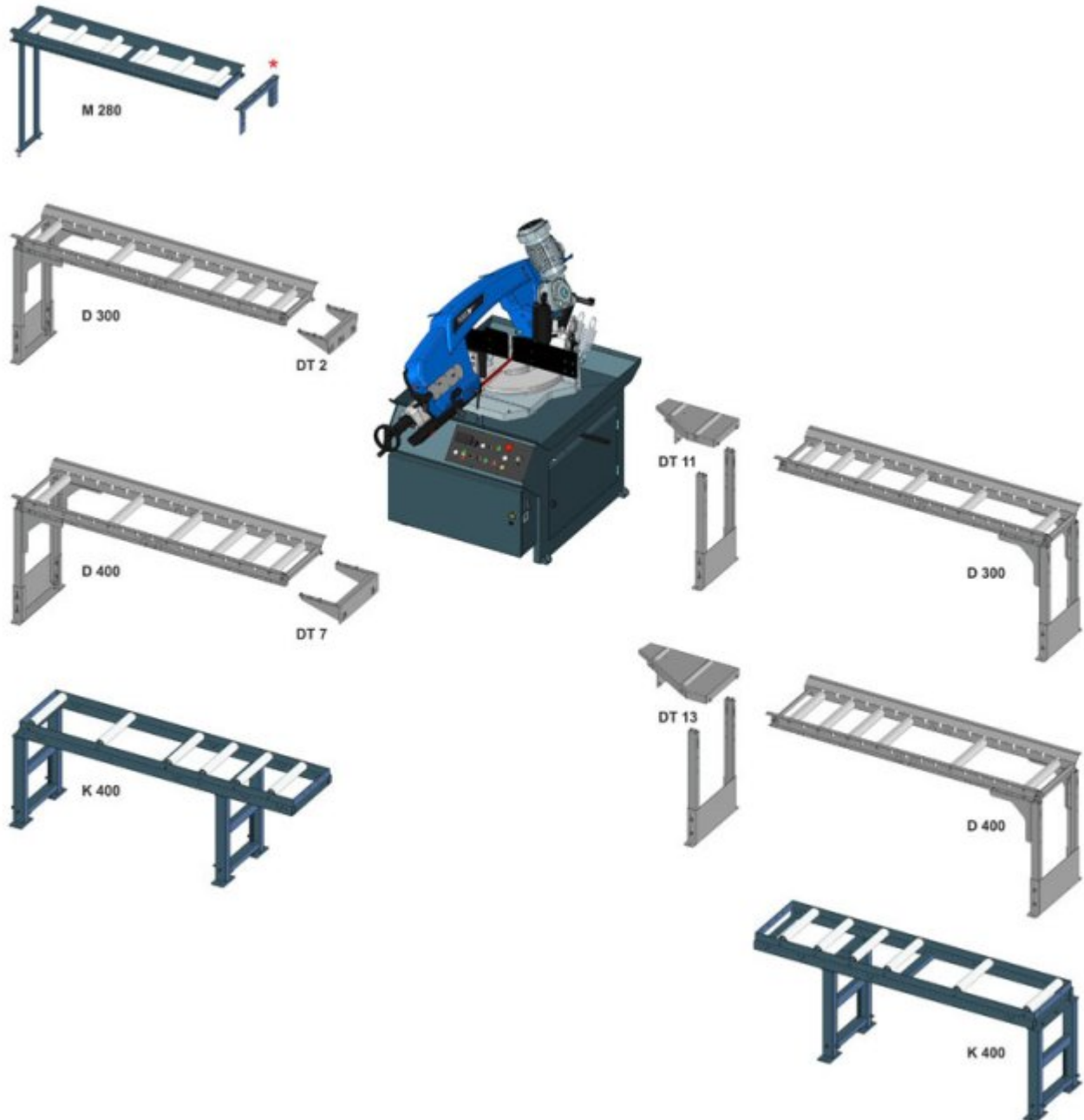


- Massive quick-clamping vice ensures easy and reliable material clamping
- Large diameter running wheels and precise three-side hardmetal guiding ensure long service life of the band and cutting accuracy.
- Overdesign of running wheel bearings, tensioning wheel system and all rotary parts ensures long 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.
- 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



	90°	-45°	+45°	+60°
●	300	220	240	155
■	290	195	225	150
■	375 x 190	240 x 100	240 x 160	150 x 150

Main motor	400 V, 50 Hz, 2,2 kW
Pump motor	400 V, 50 Hz, 0,05 kW
Hydraulic motor unit	400 V, 50 Hz, 0,55 kW
Saw blade speed	15-90 m/min.
Working height of vice	910 mm
Hydraulic system oil	cca 25 l (ISO 6743/4-HM, DIN 51 524 part 2-HLP)
Coolant tank	cca 15 l
Machine dimensions (min.)	1740 x 950 x 1560 mm
Machine dimensions (max.)	2190 x 1870 x 2050 mm
Machine weight	645 kg



\*) Is always a part of the conveyor.





Note: You can connect M280 behind the cut as a conveyor only if angular cutting isn't required.



#### **Workpiece stop - Standard equipment**

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



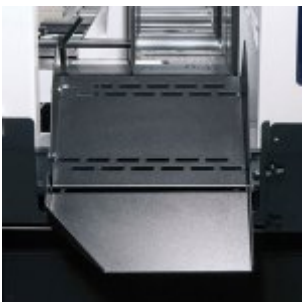
#### **Frequency converter - Standard equipment**

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



#### **Hydraulic pressure device**

Used to clamp bundles of material to be cut. Ensures reliable clamping by hydraulically controlled vertical contact pressure working within the machine's cycle.



#### **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.



### **Halogen lamp**

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



### **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.



### **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.



### **Saw band tension indicator**

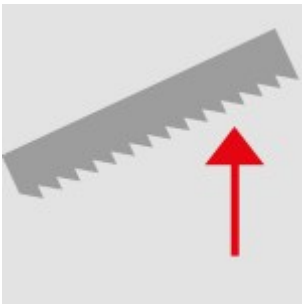
Ensures accurate tensioning of the saw band to a required value according to the pressure gauge and its control during the use of the machine. Optimum tensioning of the saw band is essential for its service life and cutting accuracy.





### Rinse spray gun

For cleaning working space of the machine.



### Electronic arm uplift height setting

On a standard machine, the arm uplift height is adjusted manually on a scale located on the machine's joint. This version is fitted with a sensor on the machine's joint. If you set the desired arm uplift height before serial cutting in manual mode, the set arm uplift height is stored in the machine memory after switching the machine to semi-automatic mode. After the workpiece is cut, the arm is automatically raised to the set arm uplift height.