



Constructeur français
de moyens de
trouçonnage standard
s et spéciaux.

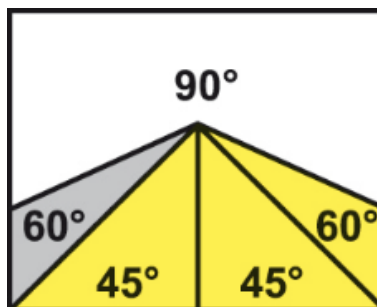
FICHE TECHNIQUE

ARG 400 PLUS S.A.F.

<https://www.coup-indus.fr/produit/arg-400-plus-s-a-f/>



ARG 400 PLUS S.A.F.



Exceptionally robust construction of the whole machine. Band saw arm made of grey cast iron in this size of band saws is completely exceptional. It ensures high cutting accuracy and long service life of the machine. Complete massive construction of the machine is designed primarily for industrial cutting of full materials even in the most difficult conditions. Thanks to the range of cutting



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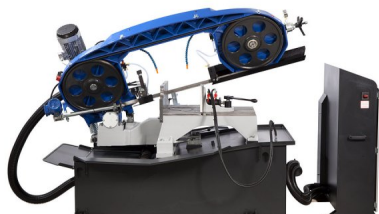
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**angles of 60° to the right
and 45° to the left the band
saw is suitable for universal
use in all production plants.
The saw band sized 34 x
1.1 mm ensures accurate
cutting of large cross-
sections. The band is
manufactured in many
versions and allows for
cutting of wide range of
materials, including
stainless steel or tool steel.**



Category: [Semi-automatiques](#)

GALLERY IMAGES



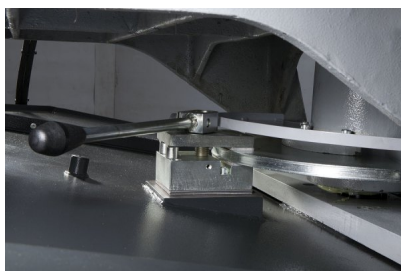
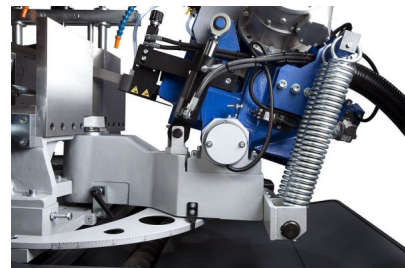


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PRODUCT DESCRIPTION

Easy intuitive controls through a touchscreen on a central control panel. The display also shows required lifting height of the saw band arm depending on the cross section of the material to be cut. Moreover it allows you to monitor the number of cut workpieces in the current settings and machine diagnostics (PLC inputs and outputs, history of errors). During cutting the display shows saw band speed, main engine load and any potential error messages. The display also shows cutting angle settings. Special accessories.

When you switch to the manual mode you can control all functions separately. The machine is equipped with a high-performance industrial hydraulic unit which allows setting of the contact pressure of the vice. 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 high-quality materials. 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. 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.

- In order to achieve maximum stiffness of the whole system and cutting accuracy, the band saw arm is attached to a sturdy grey cast iron turntable on both sides in massive “houses” fitted with pre-stressing tapered roller bearings.
- Massive machine base and exceptionally robust grey cast iron vice with a large material loading surface. The base of the machine is by default equipped with a removable chips container or with an additional chips conveyor.
- The system is mounted on tapered roller bearings in order to facilitate the easiest possible rotation of the arm during angular cutting.
- Simple locking and adjusting of a required cutting angle on the angle scale or, as additional accessories, digital monitoring on a touch screen.
- 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 an additional adjustable outlet. 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.



	90°	-45°	+45°	+60°
	400	290	300	200
	400	250	300	200
	460 x 300	300 x 170	300 x 200	200 x 200

Main motor	400 V, 50 Hz, 3 kW
Pump motor	400 V, 50 Hz, 0,12 kW
Hydraulic motor unit	400 V, 50 Hz, 0,37 kW
Saw blade speed	20-90 m/min.
Working height of vice	795 mm
Hydraulic system oil	cca 25 l (ISO 6743/4-HM, DIN 51 524 část 2-HLP)
Coolant tank	cca 30 l
Machine dimensions (min.)	1410 x 2370 x 1580 mm
Machine dimensions (max.)	2000 x 2600 x 2150 mm
Machine weight	1350 kg

Convoyeurs disponibles:

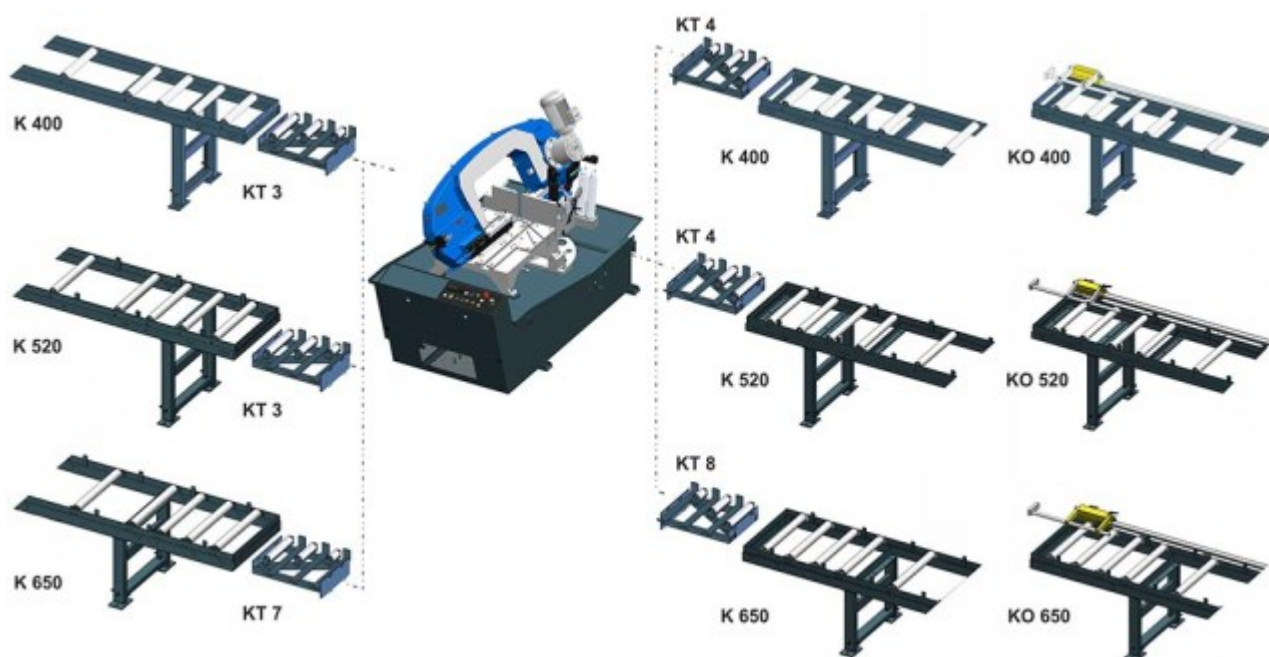


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Frequency converter - Standard equipment

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.



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.



Workpiece stop

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



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.



Display of angles

Digital scanning of set cutting angle ensures fast and accurate setting of the required angle. The value is displayed with an accuracy of 0.1 degrees on a central touchscreen. We recommend this equipment especially for a frequent angular cutting.



Pressure regulation

Hydraulically controlled one-sided 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.



Hydraulic tensioning

Ensures convenient tensioning of the saw band by a manual hydraulic pump 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.



Screw chips conveyor

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.



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.



Chip container

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