

Manual band saw machine with with full manual manipulation.

The machine is designed for cutting of material in vertical and angle cuts, angle cuts are possible to set fluently from 0 to 60 grades to the right. Change of angle using quick clamping handle.

It is suitable for piece production and small series production. Thanks to its robust construction it enables cutting of wide range of profiles and full materials.

Construction:

- The machine is constructionally designed in that way, so that it corresponds to standard exertions in productive conditions. That is why all carrying parts are made as cast-iron castings (solidity, absorption of vibrations and stops). Parts of arm, vice and turn table is cast iron.
- The arm of the machine is made of cast iron and it is designed to ensure the power and the precision of the cut. Arm is 25 grades sloped, it increases the lifetime of blade.
- Down working positions of the arm are controlled by the cam and microswitches. The arm stops automatically after reaching the down position. The arm is lifted by the operator manually.
- The vice is made from cast iron. Jaws ensure safe clamping of the material.
- The manually operating vice is situated in an adjustable dovetail groove and is equipped with a quick clamping.
- Moving jaw of the vice is manual with a wheel and trapeze thread.
- Turn table is cast iron. A turntable gives a big place for support of material and its perfect clamping.
- Manual turning of the table for angle cuts, angle fixation using quick clamping lever.
- General angles are adjusted by the nonius.

Basic equipment of machine:

- Leading of blade in hard-metal plates.
- There is a guide situated on the firm beam on the drive side. On the tightening side there is the guide situated on the moving beam.
- The guide beams of moving band guide is adjustable in whole working range. Manual adjustment and fixing of the guide beams.
- Guide holder moves in adjustable dovetail roof.
- The saw-band is equipped with a guard, which protects the operator from millings and cutting emulsion.
- Mechanic tightening of the blade.
- Drive of machine is solved by worm gear box with permanent oil filling. Three phase engine with double winding, two cutting speeds. Termoprotection of engine.
- The cooling system distributes cutting emulsion to the band guides.
- Base with a tank for chips.
- Indication of blade tightening and opening of the cover.
- Controlling 24 V.









Basic accessories of machine:

- Measuring end stop.
- Band saw blade.
- Set of spanners for common service.
- Manual instructions in electronic form (CD).

Operating cycle:

Complete manual operation, manually controlled quick clamping vice, manually leaded cut against the pressure of springs. The advantage is a sensitive feeling of the cut especially for a piece production. You start the machine by pressing the microswitch on the hand lever. You handle with the material manually. Turning the arm for angle cuts.

cutting parameters

		 0°	 45°	 60°	 b
	D [mm]	220	160	90	x
	D [mm]	120*	85*	55*	x
 b	axb [mm]	230x190	160x90	90x90	230x120
 a b	axb [mm]	230x190	140x190	80x160	230x120

*value follows recommendation of blade producer (optimal performance and blade lifetime)

the shortest cutting	3	mm
the smallest divisible diameter	5	mm
the shortest rest durring one cut	30	mm

performance parameters

drive of the blade	kW	1,1/0,75
pump of the cooling emulsion	kW	0,05
total input	kW	1,54
cutting speed	m/min	30/65
diameter of the blade	mm	2450x27x0,9
electric connection		3x400V, 50 Hz, TN-S

control

feed of the Frame to the cut	manually
feed of the material	manually
clamping of material	manual vice with quickclamping mechanism
bend tension	manually
cleaning of the blade	-

Parameters

length	width	Height max	height min	height of the table	weight
[L]	[B]	[Hmax]	[Hmin]	[V]	(kg)
1200	650	1500	1800	925	260

