

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 45 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.
- 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. Thermoprotection of engine.
- The cooling system distributes cutting emulsion to the band guides.
- Base with a tank for chips.
- Indication 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 led 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							
							b
	D [mm]	500	500	330	500	300	x
	D [mm]	400*	280*	200*	280*	190*	x
	axb [mm]	750x480	500x480	330x480	500x480	300x480	750x260

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

the shortest cutting	18	mm
the smallest divisible diameter	40	mm
the shortest rest durring one cut	15	mm

performance parameters		
drive of the blade	kW	5,5
pump of the cooling emulsion	kW	0,09
total input	kW	7,79
cutting speed – fluently set	m/min	20-100
diameter of the blade	mm	6500x41x1,3
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
band tension	manually
cleaning of the blade	-

Parameters					
lenght	width	Height max	height min	height of the table	weight
[L]	[B]	[Hmax]	[Hmin]	[V]	(kg)
1100	600	1400	1750	950	160

