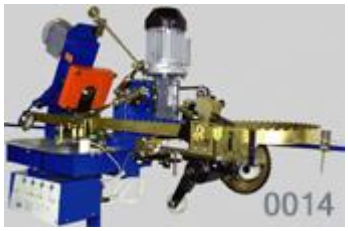
0014 – Band saw sharpener with a teeth setter



The sharpening method is based on the removal of a thin metal layer from a worn part of a tooth with the simultaneous formation of a tooth profile. The shape of the tooth is determined by the design of the control cam. Installation is completed with two cams for different tooth shapes. By adjusting the scenes of the cam, sharpening of saws with a straight rear edge, such as ‘Woodmizer ',‘ Lenox', etc is provided.

By adjusting the scenes of the cam, sharpening of saws with a convex rear edge, such as: ‘Uddeholm ' is provided. The installation allows you to adjust the height of the tooth, the pitch and location of the cavity. Tooth setter are produced by the following formulas:
left-right-left-right, etc.
straight-left-right-straight, etc.
straight-right-left-straight, etc.

To control the amount of wiring there is an indicator. After sharpening and setting the saw, the installation automatically stops.
Saw sharpening time (4.25 m): 5 min
Width of the saw: 20 - 50 mm
Adjusting the front angle of the tooth: 0 - 20 degrees
Length of the saw: 4 - 5 m

0053 - Frame saw teeth setting device

The device is intended for tooth setter and band saws with a width of 50 to 180 mm in wood. The device is operated manually and allows to perform both a classic wiring, and a special, providing a cleaner cut and increasing the number of re-saws without wiring. The principle of the device is to bend the saw tooth, clamped at the level of its base between the anvil and the clamp, using a steel punch. The screw and the clamp are actuated by a lever-hinge mechanism, providing a reliable, adjustable clamp with a wedge effect, while ensuring exceptional ease of movement. Fixing the position of the tooth, both right and left, in front of the punch is carried out by one changeover pawl.

The device is equipped with an indicator to control the amount of wiring, as well as an adjustable anvil with two levels in height relative to the punch.
Permissible saw thickness: 3 mm
Height of the tooth: 2.5 - 20 mm
Overall dimensions: 1500x400x400mm (without saw)

0054 – Band saw teeth setting - manual tool

The device is intended for tooth setting of frame and band saws with a width of 10 to 50 mm in wood. The device is operated manually and allows to perform both classic wiring and special, providing a cleaner cut and increasing to five the number of re-saws without wiring teeth. The device's operation principle is to bend the saw tooth, clamped at the level of its warp between the anvil and the clamp, using a steel punch. The screw and the clamp are actuated by a lever-hinge mechanism, which ensures reliably adjustable clamping of the saw with a wedge effect, while ensuring exceptional ease of movement.

Fixing the position of the tooth, both right and left, opposite the punch is controlled by changeover pawl. The device is equipped with an indicator to control the amount of wiring, as well as a rearranged anvil with two levels in height relative to the punch.
Permissible saw thickness: ≤ 2.5 mm
Height of the tooth: 2.5 - 12 mm
Adjustment accuracy: ± 0.01 mm
Time of one saw treatment (4.25 m): ≤15 min
Preparation time: ≤ 2 min
Overall dimensions: 340x135x 300 mm
Weight: 4 kg

0055 - Circular saws setting tool

The device is designed for tooth setting of circular saws used in longitudinal and transverse sawing of logs and lumber. The operational principle of the device is the bending of the saw tooth, clamped between the anvil and the clamp, with the help of a punch made of hardened steel. The punch and clamp are driven by a lever-hinge mechanism, which provides a reliable, adjustable clamp with a wedge effect. Fixing the position of the saw tooth, both right and left, is carried out by a pair of built-in pawl, the turn of the saw is done manually. Changing the direction of the wiring to the opposite is done by moving the saw back side to the axis of the rocker after the saw is removed from the wiring mechanism and the mechanism is switched to another pawl.

The device is equipped with an indicator to control the amount of wiring, as well as a rotary anvil with four levels in height.
Outer diameter of the saw: 300 - 1200 mm
Inner diameter: 30,32,40,50,60,70,80 mm
Saw thickness: 2 - 6 mm
Saw tooth height: 15 - 40 mm
The accuracy of adjustment and bending: ± 0.02 mm
Overall dimensions: 500x800x1700 mm
Weight: 65 kg

0401 – Bench for band saw levelling with a rolling device

The bench levelling with the rolling device is intended for work on the levelling and rolling of band saws up to 150 mm wide. The feed speed of the feed tape is continuously adjustable, the feed direction is reversed. The principle of operation consists in creating rolling scratches on the surface of the saw when the saw blade is rolled between the drive rollers of the mill. The pressure of the rollers exceeds the yield strength of the saw material and the central part of its blade becomes longer than the edges, which provides compensation for the thermal expansion of the cutting edge of the saw during the sawing process.

The rolling device is equipped with rulers – simple straightening and calibration
The maximum width of the saw: 150 mm
The length of the saw: 6 – 9 m
The speed of the tape feed: 5 - 12 m/min
Power Supply: 220/50 V/Hz
Installed capacity: 0.75 kW
Overall dimensions: 2000x1500x650 mm
Weight: 160 kg