

BIG SAWING MACHINE INSTRUCTIONS

1. The stone is attached to the press. During this attachment, pressing rods (Fig. 1) should be parallel to the blade, not in the sawing area. Wooden press base should be necessarily below the stone and be at the same level with the metal press base. If wooden press base remains out of the press, then wooden base may also be saw, as well as the stone, during the last slices of the stone is being saw. Never forget that sinter diamond coated blades are designed to saw hard materials. Sawing the wood does not damage the blade, however it may slow down the operation. But if pressing rods are turned and the blade saws them, then ductile metal sinter diamond may be totally coated by metal, and the blade may be useless.
2. After unbending the press fixing rods (Fig. 2), and moving it to the position of the attached stone for sawing, the press fixing rods are being tightened (But if too much tightened, the sledge of the press can not move easily. For this reason, in order to determine the rate of tightening, the sledge should be pushed forward by hands after tightening process, to check that it moves easily. Otherwise the press can not move on the sledge and sawing can not be done)
3. Before sawing, taking a reference point on the press moving rod (Fig. 3) makes it easier to determine how many tours of turning is necessary for the next sawing. For the ideal thickness of jewellery stone sawing, press moving rod should be turned 2,5 tours.
4. After all these operations, assuring that the stone attached to the press is not touching the blade, the cover is closed and the start button is pressed.
5. During sawing operation, be sure that the weight bucket does not turn around its axis and hangs on any part of the machine, and stop moving downwards. A long band hanger can be placed in order to prevent the hanging of the bucket, as seen on Fig. 4.
6. When sawing is completed, the bucket commands the switch to shut down automatically, and the machine stops. In case to stop the machine while operating, the red stop button can be pressed.
7. Untightening the pressing rods while taking the next slice, should not be forgotten.
8. First of all, machine liquid tank should be filled with 1 tin of (17 liters) No:10 engine oil. The rest is filled with kerosene, ensuring that 2cm of the blade is in the liquid. Never pour water in the liquid tank. Water may cause most parts of the machine to be rusty, and also cause the machine to be out of order, and can not make oiling for an easy sawing.
9. In order to saw small pieces of stones, stones are placed in a cartoon box big enough to be placed in the press and fixed by a marble affixing.