



Eagle Rock: Bridge Saw Shop Preparation Keys

WIRING: You will need wiring to be ready for the machine – There is an installation guide (on our website) so that the electrician knows exactly where the machine will be wired, the type and gauge of wire needed, the 60 amp circuit breaker that is needed, etc. This machine requires 3-phase power as well and we'll find out exactly the voltage you have there once we are ready to order the machine. See installation document for specifics.

WATER: The bridge saw requires water to cut. This is for cooling the blade so that it lasts a long time. The hook-up here is just a regular garden hose type attachment - simple and we need a regular amount of pressure - nothing extreme. Regular water pressure provided throughout the USA is fine.

WATER RECYCLING: While it is not mandatory to recycle water that is used for this saw - it's always helpful not to be wasteful by capturing the water used by the saw some kind of trough if possible. The simplest and least expensive system is a "three trough" system that simply captures water in a below grade tank - then this water flows into a second then third tank thereby allowing the particulates to fall from the water and the final tank is then quite clean, ready for recycling. For a bridge saw, this type of water recycling is perfect, cheap and saves a lot of money.

WATER CONTROL: Not a big deal, but it is helpful to also control the flow of water so that the water that pours off the slab and table doesn't run all over the shop but instead is limited to the sawing area. This is easily done by using concrete or an adhesive and strips of granite where you place them like a small dam system around the saw, forcing water to flow back under the machine to the trough that is cut into the floor.

LUBRICATION: There are 2 types of lubrication that this machine needs - total cost is around \$200 and this will be needed immediately for the installation to be complete (the machine can't be shipped with these fluids/lubes). There are details in the installation document but for now, the rails are in an hydraulic oil bath and hydraulic oil is needed for the hydraulic tank, and there is a grease tub that auto-lubricates each time the machine is turned on. See installation documents for specifics.

BLADE: Blades are not included with the machine. Because of specific buyer preferences, please supply your own blade for this saw. Blades typically run about \$250 - \$500 or so.

TABLE PREP: The saw comes with a wooden slat table. This is fine for regular cutting however, if you want to miter - it's not flat enough for that. To miter with this saw, the table needs to have a concrete surface that can be milled by a special milling blade so that it is very flat. There are many ways to do this, most people purchase concrete "backer boards" (1/4") and drill then screw them to the surface of the wood on the table, then they pour a thinset type layer of concrete on top of that so that they have a surface of concrete that is about 1" - 1.5" thick. This then dries and the milling blade is run over the entire surface of the table to create a very flat surface that is exactly parallel to the blade stroke. This insures the best possible miter because the surface is now very flat and the miters will be far more accurate.