

## OEM Factory Rebuild

### Two Options











1. We regularly procure machine cores for our Factory Rebuild Program through trade in's, auctions, and used equipment dealers. If we do not have a model in stock we can locate a core usually in a couple of days.
2. Send your old machine or buy one on the used market and send it to us for remanufacturing.

### Factory Rebuild Procedure

Steps	Pines offers the most comprehensive and robust remanufacturing process in the industry and here is how we do it:	Before	After
1. Assessment	A team of seasoned engineers, mechanics, and electrical tradesmen are assigned to the machine being remanufactured. The team gathers and reviews the machines engineering records kept by Pines since your machines birth (There are over 30,000 hard copy engineering files holding every piece of data and nuance of the specific machine's original build). A review of the machines general condition, any special customer requirements, and new option additions is made and an action plan developed.		
2. Disassembly	The machine is completely disassembled including brackets, support blocks, and manifold mounting hardware.		
3. Shot blasting	The machine is shot blasted, primed, and painted to the color of your choice.		
4. Hydraulic	All hydraulic components are rebuilt or replaced (manifolds, valves, plumbing).		

Procedure continued overleaf...

...Factory rebuild procedure continued.

Steps	How it's done:	Before	After
5. Machine base	The tank assembly is inspected for leaks and repaired as necessary. New mounting hardware (Electrical standoffs, manifold brackets etc), pump, motor and pump bell housing are installed.		
6. Stationary and swing arm remanufacture	While the tank assembly is being repaired, the swing and stationary arms are being inspected and repaired as required on OEM Factory fixtures.		
7. Machine Control	A new Pines control system is built in tandem as the other processes are being performed. New disconnect box, new control box, new control stand. The machine is brought up to the current level safety standards.		
8. Re-assembly	The new and remanufactured parts are delivered to the assembly floor. The same skilled technicians that build the new tube benders perform the re-assembly process.		
9. Inspection and test	After assembly is complete, a 5 hour run test, 10 bend repeatability test, and 3 inspections are conducted. The same procedure used for new machines.		
10. Service Department sign off	The machine does not leave the pines facility until all requirements are met.	✗ Major repair required	✓ Good for another 30 Years!

### The Benefits of having an OEM Factory Rebuild



- The machine is brought to current operating standards using genuine Pines parts
- Pines monitors its machines through a serial numbering system which is retained after the rebuilding process
- Retains the value associated with the Pines brand
- The machine controls are the latest Pines Standards
- Spare Parts are readily available
- Machines incorporate the means to attach the latest operator protection devices

*• Good for another 30 Years!*