



FABRICATING MACHINERY
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Is The Clear Advantage For All Your Bending Needs!

**Quality Construction Using The Best
Materials and Components
Go Into Every Pedrick Bender**



Heavy Duty Construction

It consists of a table mounted on a fabricated steel or cast iron base and is driven from the bottom. The table top is about 32 inches from the floor. Under the table we have mounted a bull gear on a spherical roller bearing for maximum radial load capacity. A cover plate is provided to prevent dirt and scale from damaging the

bearings. The bender is driven with a helical bevel, right-angle gear reducer, mounted under the table. It is controlled by a reversing controller with an external fused disconnect, overload heaters, and control transformer which meets NEC and JIC specifications.

What Is Rotary Compression?

Pedrick Benders

operate on the rotary compression bending principle. It consists of a stationary die and an arm that rotates around the die and wipes the material to be bent into the die. Bends can be produced in pipe and tubing that can be used to reduce cut offs, end preparation, fittings and welds which saves money. The compression bending process is well suited for bending heavy sections.

Solid round barstock (1/4 - 3 IN OD) can be bent for many industrial applications. A variety of structural, roll-formed, and extruded sections can be bent using the rotary compression bending process. We welcome the opportunity to review your bending requirements. Contact the factory with engineering drawings, sketches, and samples.

PEDRICK

Rotary compression benders are precision machines. PEDRICK benders can be tooled to bend a variety of sections and materials except thin wall tubing. PEDRICK benders are manufactured in the USA, at our plant in Riverton, NJ. PEDRICK designs, manufactures, and tests all of the custom tooling for their machines. While PEDRICK benders are primarily used to bend pipe and tube, the company develops and manufactures tooling to bend many unusual or difficult sections.

✓ Rugged Reliability

PEDRICK benders are manufactured to give many years of trouble free service. Heat treated alloy steel shafting, spherical roller bearings, massive bull gears and pinions allow our benders to meet the most demanding industrial requirements. Whether they are used in a high production, plant maintenance or OEM application, our benders will produce cost effective bends year after year.

✓ Easy to Maintain

PEDRICK benders require minimal maintenance. They do not make use of hydraulics or pneumatics. High efficiency spiral bevel gear drives with TEFC motors require minimal maintenance. With a little grease applied to the bearings, our benders will produce bends with virtually no maintenance, year after year.

✓ Easy to Operate

An operator with minimum skill can produce high quality bends with a PEDRICK bender as efficiently as the highest skilled worker. Setting up to produce accurate bends is quick and easy.

✓ Versatile

While PEDRICK benders are used to bend pipe and tube, they can be tooled to bend solid, structural, extruded and roll-formed sections. PEDRICK benders can bend almost anything. PEDRICK benders can bend many things that are not considered bendable!

✓ Tooling Changeover

Changing tools on a PEDRICK bender is straight forward. They can be accomplished with standard hand tools in a few minutes. The center spindle can be removed so smaller tooling sets can be used.

✓ Fast Operation

Our Model A-1 can produce a 90° bend in four seconds. The Model D-15 can produce a 90° bend in 4 IN schedule 80 pipe in forty seconds. In most cases the handling time of the material being bent is the limiting factor.

✓ Portability

Our customers frequently ask us for a portable bender. We can provide a machine that is mounted on casters, a steel pallet, and with lifting holes. While a permanent foundation is desirable, our benders are sometimes mounted on trucks and on board ships.

✓ Repeatability

PEDRICK benders are relay controlled for duplicate bending. Digital controls are also available. Our benders can be supplied with automatic reversing for high production applications. They can also be supplied with manual controls for job shops. Bend angle accuracy is ± 1/2 degree. We can adjust the dies for the inherent springback of the material. When required, we can maintain an accuracy of ± .030 in on the bending radius. This can be affected by the material being bent.