

THERE ARE
MILLIONS
— OF USES FOR —
ELECTRICITY
IN THE WORLD

LIKE MORE RELIABLY CONSISTENT PIPE BENDING

ELECTRIC BENDERS

PINES

COMMITTED TO LEAD.

THE WORLD OF ELECTRIC BENDERS has a new leader. We combined enhanced controls with easy setup and operation, then applied these features to the Pines bender product line. The results are the new e40 and e75. They represent a ground-up electric bender design that builds on our foundation of rugged and durable dependability, and adds the latest in bending technology. Features include programmable clamp and pressure die pressures, quick change tooling, roll forming capability, carriage push for shorter grip lengths and X and Z axis head shift for multi-stack tooling. And they're quiet, too. Get ready to step into a new world of bending technology – a new leader is on the board.

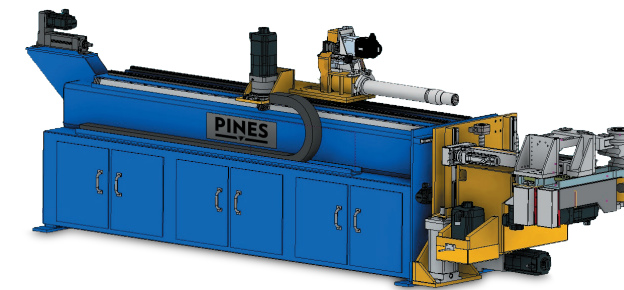


e40 ELECTRIC

- \ Power and strength of traditional hydraulic CNC040
- \ Capacity for 1" schedule 80 pipe or 1.5x.065" stainless steel tubing
- \ Servo drives power to Y, B, C, PDA, Mandrel, Nose X, Nose Z, PD Z, Clamp, and Pressure Die axes
- \ Fully programmable electric PDA
- \ Carriage push for shorter grip lengths
- \ Supports stacked tooling of up to three conventional dies with max centerline radius of six inches
- \ Ability to stack two standard dies with roll bending configuration for large radius bending
- \ Electric pressure die assist features shifting pressure die

The venerable Pines 040 product line has been a workhorse you've come to depend on. And it just got better. We introduce the new electric Pines e40. It offers the same time-tested strength and character we're known for, and adds all the features you want in an electric machine. Fast, precise axis control? Standard. Servos that position the clamp and pressure dies as well as the mandrel for fast repeatable tool setups? No sweat.

The e40 is arranged for counter-clockwise rotation with six-inch maximum radius. It comes complete with a push carriage for positioning of tubes between bends, head shift for multi-stack tooling and multi-radius bend configurations, electric mandrel extractor, electric PDA, heavy-duty mandrel lubricator, quick change tooling, and programmable clamp and pressure die holders.



e75 ELECTRIC

- \ Power and strength of traditional hydraulic CNC075
- \ Capacity for 2" schedule 80 pipe or 3x.065" stainless steel tubing
- \ Servo drives power to Y, B, C, PDA, Mandrel, Nose X, Nose Z, PD Z, Clamp, and Pressure Die axes
- \ Fully programmable electric PDA
- \ Carriage push for shorter grip lengths
- \ Supports stacked tooling of up to three conventional dies with max centerline radius of ten inches
- \ Ability to stack two standard dies with optional roll bending configuration for large radius bending
- \ Electric pressure die assist features shifting pressure die

The Pines 075 product line is defined by its strength and character. And we've improved it with the introduction of the new electric Pines e75. It features the durability and dependability that defines the Pines brand, and adds all the features you want in an electric machine. Fast, precise axis control? It's here. Servos that position the clamp and pressure dies as well as the mandrel for fast repeatable tool setups? You got it.

The e75 is arranged for counter clockwise rotation with ten-inch maximum radius. The machine comes complete with a push carriage for positioning of tubes between bends, head shift for multi-stack tooling and multi-radius bend configurations, electric mandrel extractor, electric PDA, heavy-duty mandrel lubricator, quick change tooling, and programmable clamp and pressure die holders.



Hard work. Innovation. Expertise. These qualities never become obsolete. They were the backbone of the company we started in 1943, and they're the backbone of our company today. We design, manufacture, and supply some of the finest and most advanced tube bending and end finishing technologies in the world. We partner with H&H Tooling, which specializes in the design and manufacture of high-tolerance bend tooling for rotary and press bending machines. The result is a range of bend tooling and accessory options, comprehensive maintenance and service contracts, training and education programs and financial services for our customers, along with high-quality bending machine rebuilds, refurbishment, upgrades, and trade-ins. We are your single source for bending solutions. We are committed to lead.

PINES

29100 Lakeland Blvd.
 Wickliffe, OH 44092
 Phone: (440) 278-7200
 Fax: (440) 278-7210
 Email: info@pines-eng.com

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