

Premium
Punch Bending
Equipment

Punch Benders



Acutech offers a wide range of punch benders for your prepress needs.



42 Bin Sortation for 3 High Speed Benders



Punch Bend



Acutech punch bend equipment is designed and built for accuracy and trouble free performance. Our services include complete installation and prepress punch bend conversions for all CTP systems. Register, punch, bend, verify, sort and convey all from Acutech.

Did you know we offer full technical service for your existing punch benders ?



Products detail inside
Stand alone
Auto in-line
Plate conveyors
Commercial web
Design features
Controls
Room layouts
More!



Stand Alone Plate Benders and Punch Machines

RSA-M
Manual Plate Punch
Single and double wide



Acutech offers plate punch and bending machine in various platforms and models to fit your needs. All machines feature 80/20 heavy duty frame construction and cabinetry where need for safety is met while minimizing costs. Punches are high speed for long use life and can be easily replaced or sharpened. Plates are registered to positive stops and the stops match the CTP datum points for accuracy. All stand alone machines can be used with other systems. Machine are designed for ease of use and low maintenance so cost of ownership is very low. High volume vacuum assures repeatability. All components are name brand and easily obtained from us or through local vendors. All benders feature rack bend leaf pull down and push down clamping. This eliminates bowing and tapered bends.



Plate punches for all press types, pneumatic or manual, 3 point contact register, table top or frame mount, custom punch patterns and register. Commercial web sizes available.

All power machines are 120 VAC 60 Hz and require 90 psi 10 CFM

Some models 208VAC

Newspaper: All standard plate sizes for single and doublewide press types.

Commercial: For plates 46" L x 60" W

Plate thickness from .008" to .015" steel or aluminum.

SEE DETAILED PRODUCT SHEETS FOR EXACT SIZES AND OPERATING SPECIFICATIONS



Automatic In-Line Punch Benders

Acutech automatic benders can easily be configured for in-line operation. They can be placed straight left or right and in many combinations to fit all plate rooms. Auto Benders are high speed, accurate and reliable. Plates are registered via **3 point electrical contact** with confirmation or by **Optical** for the highest accuracy and throughput. **Optical** is via head and tail register arms. This is a unique and more efficient way to move plates for register. In edge mode the 3 point contacts match the CTP to assure accurate register.

All materials are best available including 80/20 frame and custom cabinetry with no smudge paint.

Controls are Allen Bradley (std) or Siemens.

Edge benders feature built in operator control display with easy to use graphics. **Optical** also includes monitor software and on board maintenance guide.

All benders include stackers (**PS-1,2**) with left or right delivery.



ATS (*Auto Transport System*) is the unit that moves plates from the processor to bender or between benders.

Edge and Optical benders for single and double plates. Punches to match press lock up.

Auto bender speeds are up to 320 SPH.

Accuracy $\pm .001$ " square and parallel.

Repeatable to $\pm .001$ "

Standard and custom punch patterns.

All machines single and double capable.



Add on Plate Conveyors Rotators and Feeders



Acutech plate conveyors and modules allow various combinations of equipment floor layouts. Pieces can be easily connected and reconfigured. Can be used with all makes of benders. All feature heavy duty frames, simple PLC logic and belt drive operation.



ATS conveyors are sized for single and double plates. Plate rotators turn plates to feed head and tail to the next station or end of run to the plate stacker.



SEE DETAILED PRODUCT SHEETS FOR EXACT SIZES AND OPERATING SPECIFICATIONS



Commercial Plate Benders and Punch Machines



Acutech offers plate punch and bending machines in various widths and repeat lengths for commercial web printers.

Plate punches can be made with multiple punch patterns to accommodate several presses.

Plate benders can be semi-automatic and are available up to 60" bend width.

Multi-format Punch Benders can punch and bend different press bends and punch patterns in one machine!

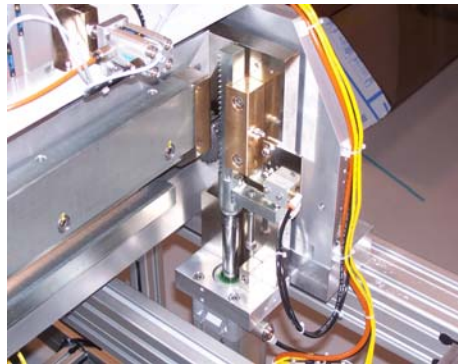
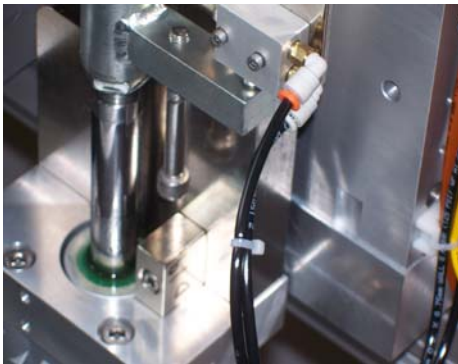
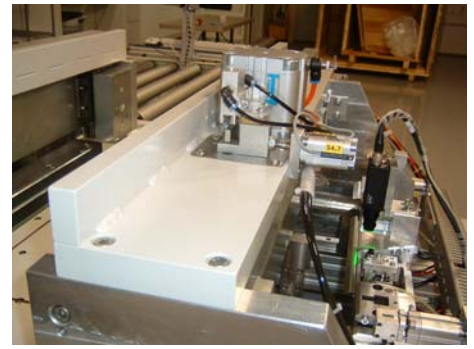
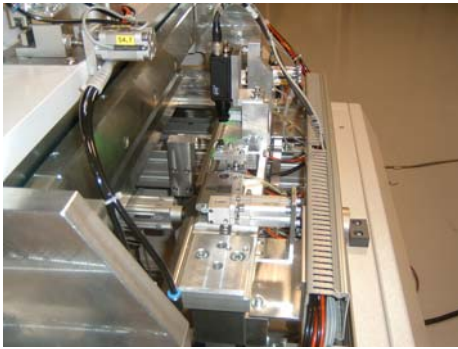


Register plates via 3 point contact to match CTP, pin register and Optical for superior on press register and repeatability.

All commercial machines can be fitted with in-feed and exit to stackers for automation and to minimize handling and damage.



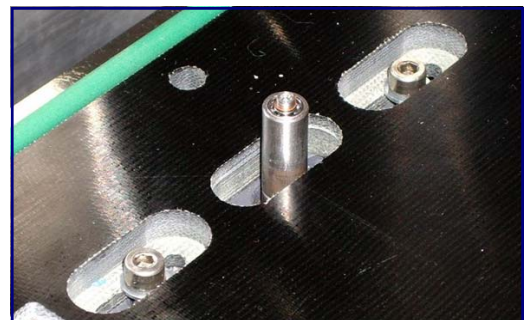
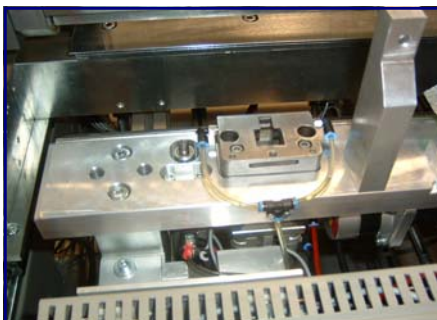
Design Features



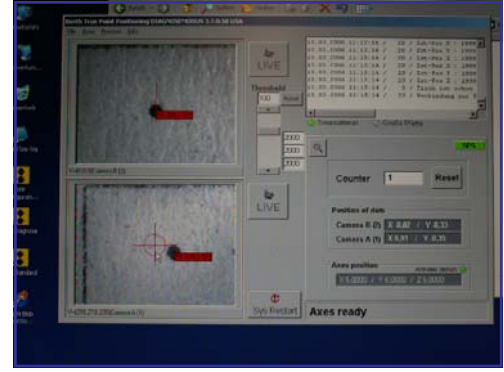
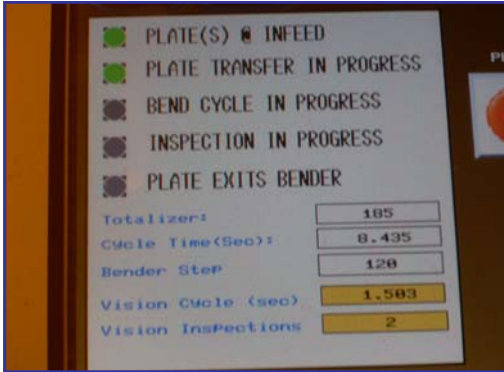
Machines are designed with minimal parts. Less is more. Bend bars are hardened steel, punches high speed. All connections and wiring color coded and labeled. Plate punching is smooth and trouble free with self lubrication. Frames are high strength 80/20 channel for a sturdy base. All components are corrosion resistant.

Accuracy—Repeatability—Reliability

Acutech benders are available with **Optical** or **Edge** (*3 point contact*) plate register for maximum throughput and accuracy. Unique head and tail register bar improves efficiency, high flow vacuum assures hold during bending cycle. Benders are available with 3 point contact or Optical plate registration. High speed or standard, single and double with gang punch for multi-web. We offer a full host of connections and bar code options for managing production and data. Our unique head and tail register in the Optical Punch Bender is more efficient and accurate than center rotary tables. Plates are checked three times to assure register before punching and bending. Our Edge Contact Punch Benders provide accuracy and highest throughput.



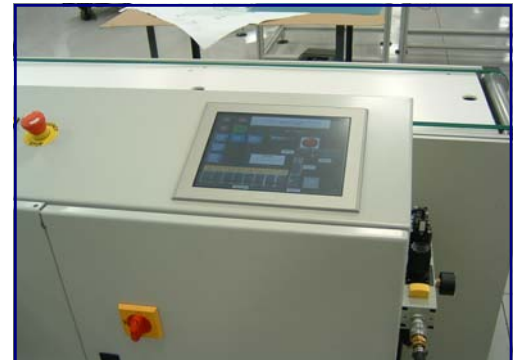
Controls and Connections



All machine controls feature touch screen operation which are intuitive and easy to read. Allen Bradley or Siemens PLC's are standard. Bar code readers placed along the production path provide signals for plate sortation and feedback to plate management systems. Modem connections are available for remote service and access.

The included Panel Mate interactive control screen displays the use and care guide, machine status, set up information and more.

All graphics are easy to read. Benders can be connected to CTP machines and your local network for data collection and feedback.

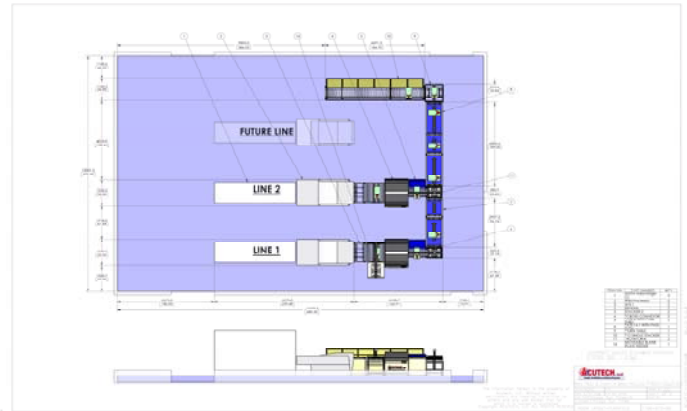
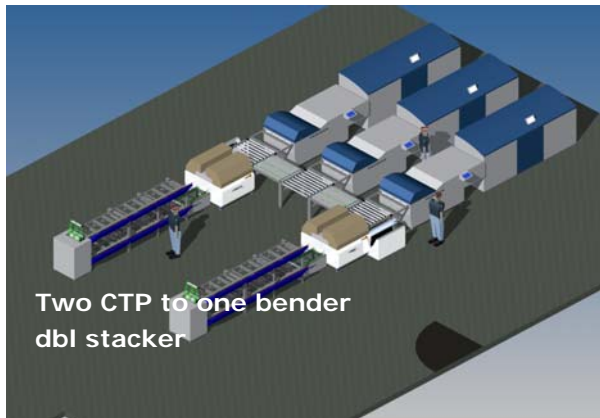


Service and Maintenance



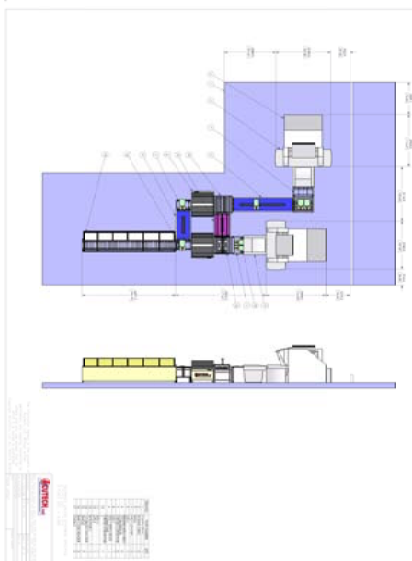
All access is open and reachable. Cabinetry and guards are easily removed and replaced. Adjustments for length, angle and bend to bend are easily set.

Connectivity and efficiency for your plate room



Integrated Conveyor-Punch-Bend-Stack

Standard machines have a small footprint and can fit in any plate room. Custom configured systems can be used with older legacy benders, conveyors and stackers.



Acutech punch bending equipment is reliable, affordable and is built robustly for years of trouble free operation.

We also offer superior service and documentation.



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