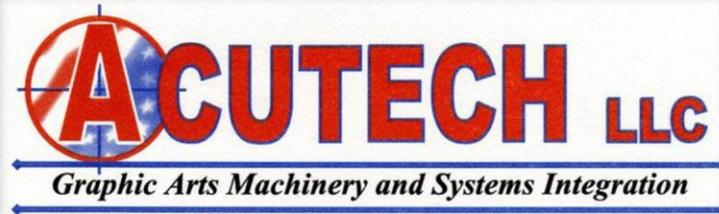


# ACUTECH LLC

## Plate Cylinder Lock Ups and Register Control Systems

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Graphic Arts Machinery and Systems Integration

# Experience and Quality

- Acutech LLC engineers manufactures and installs plate lock ups for all make and models of presses. We have standard and custom designs to fit all presses and applications large or small. We excel at project management on time delivery and user friendly locks and installation.





# ACUTECH

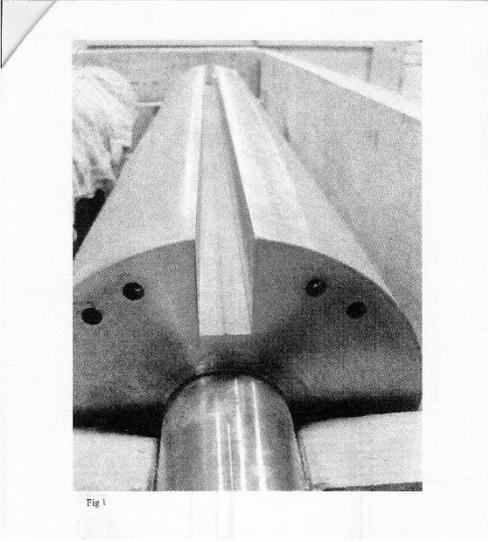
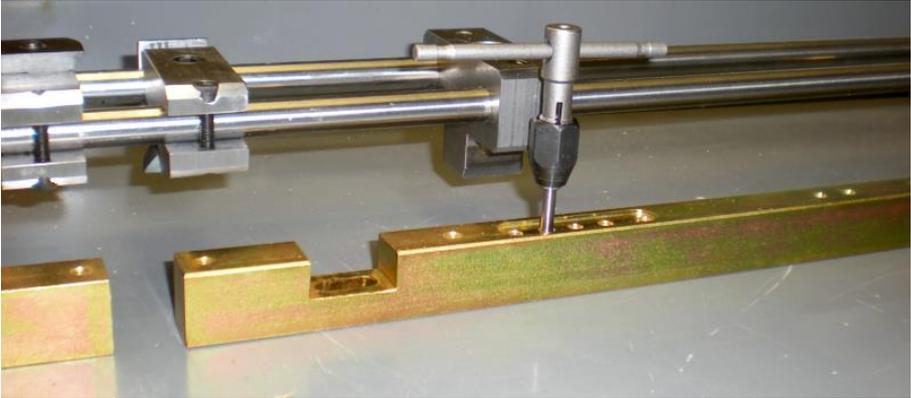
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ACUTECH designs build and installs lock ups for plate cylinders for various web presses. Our designs are used to upgrade and replace OEM lock ups, for web or format changes to presses and to improve on press image register by assuring exact location of all plates. Plate movement, cracking or marking on the sheet are reduced or eliminated with ACUTECH lock ups.

Since 2004 we have installed our locks in single and double wide presses in North and South America and Pan Asia.

Acutech ..... when experience and quality matter.

# Upgrade your presses with Acutech lock ups



# 600 M Wide Gap Plate Locks

- 600 M Wide Gap No Tool for Metro Style Cylinders
- Simple 3 piece lock design
- .875 “ Gap sizes
- Gage Set filler bar design
- Webs sizes from 54” to 42”
- All Stainless
- Self Centering register
- Accepts standard No Tool plate geometry.
- Can be used with one around plating.



## 700 Narrow Gap Plate Locks

- 700 Narrow Gap No Tool .531 or .437 “gap size
- No Drill Filler Bar
- 50/48/46/44/42 web
- All Stainless
- Wing Install System
- 3 piece page design
- Self Centering Register
- For Headliner TKS presses
- Can be used with one around plating

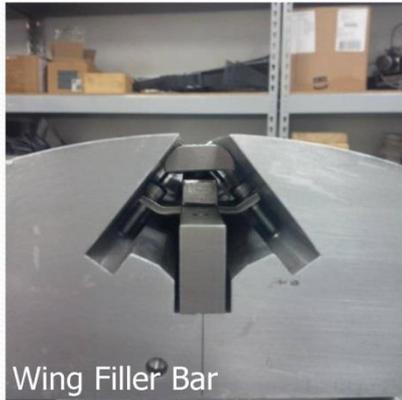


## 703 Narrow Gap No Tool

- Spring thruster design.
- Self Centering Register Pin.
- No Drill Install.
- All Stainless.
- For Colorliner, HO, TKS
- Multiweb capable
- Cylinder gaps .437".530"
- Accepts Colorliner bend.
- Accepts HO bend.



## 703 No Tool



Wing Filler Bar

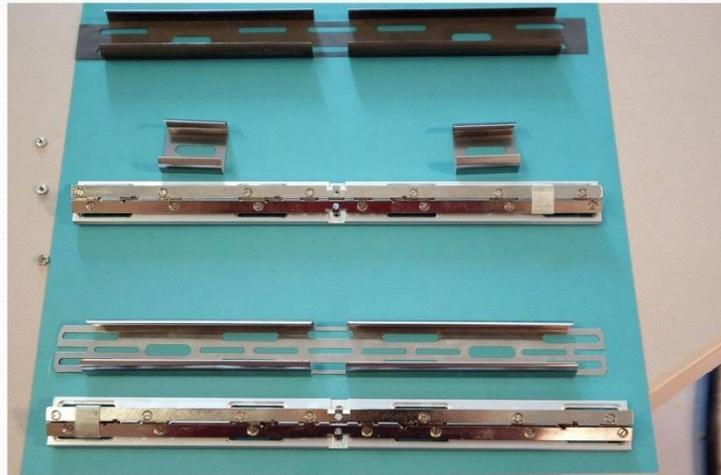


Self Center Register Pin

The 703 No Tool is a direct replacement for Colorliner and Headliner offset cylinders. It does not require machining and accepts the OEM bend specifications.

# Mechanical Plate Locks

- Designed to replace older locks
- Same Bender Specification
- Constant Tension
- Ezy Load Unload
- Center Register
- Metro TKS MAN



# Single Slot Plate Locks

- No Tool Design
- For .500 “.750” or .875 “ Gap width
- Perfect for SC, SSC, Urbanite, Harris
- All Stainless
- Custom fit to press
- Bolt from Side or Top
- Center Register Pin



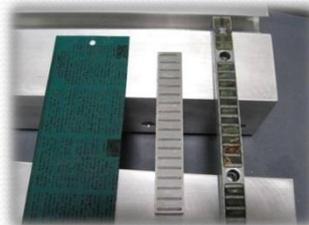
## Shallow Gap No Tool

- ACUTECH's latest design is a No Tool that fits a .600 deep cylinder gap. This was created so a customer with Goss and TKS can use the same plate on both without replacing cylinders.
- .875 gap
- Self Centering Register
- Standard angle and radius
- No Drill Install
- 54/44 Web range



# Magnetic Press Plate Locks

- 4 pin No bend magnetic
- DURA-MAG or Standard Styles for superior strength
- 48/44/42 web replacement
- Upside down construction
- New Inserts or install on existing



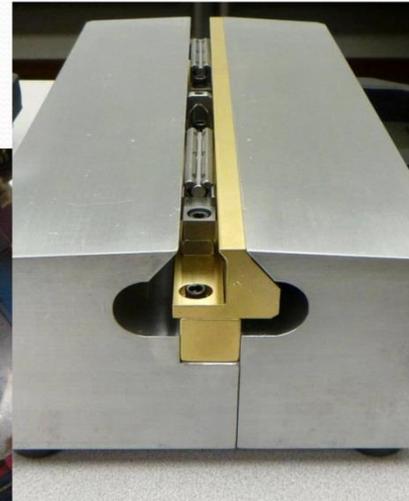
# Rebuild Lock Box Parts

- Replacement hard Edge and Lock Boxes
- New Stainless
- For Older Goss Metro
- For TKS Presses
- Gap size can match
- Reduced angle
- Standard Radius
- Bolts to existing patterns
- Cheaper than new cylinders



## Custom Applications

- Acutech has experience with custom locks and slot inserts.
- Metro to Headliner cylinder adaptors.
- Metro to Newsliner adaptors.
- Use same plate on all units.



# Installation

- Professional Installations
- Turnkey or Supervise
- Web Reductions
- Register Audits



# Punch Bend Equipment Options If needed

- New Or Refurbished Punch Bend Equipment
- Primary or Secondary Punch Bend for Existing or new lock up conversion.



# CTP PUNCH BEND EQUIPMENT

## IMPROVE EFFICIENCY AND ACCURACY WITH OUR WIDE RANGE OF VISION (OPTICAL) PUNCH AND BENDING SYSTEMS



- REGISTAR TY-100 Series**
- Table Top Model
  - Optical Registration
  - Manual Punch
  - Suitable for small presses up to 29"



- REGISTAR TY-200 Series**
- Optical Registration
  - Pneumatic Punch
  - Integrated Plate Bending
  - Standard model for presses up to 40"
  - Customised model for large format presses



- REGISTAR TY-500-AOL Series**
- Fully automatic model for online connection to CIP systems
  - Eliminate all human errors!
  - Plates will be continuously fed by conveyor after emerging from plate processor, to be punched and bended in perfect registration



- REGISTAR TY-500 Series**
- Interactive Touch-Screen Colour Monitor
  - Computerized Sequential 1-Step Action of Optical Registration, Punching & Bending!
  - Ideal for high volume plate punching and bending production
  - Customised to customer's specifications



- REGISTAR TY-300 Series**
- Optical Registration
  - Remote Motorised Control Adjustment
  - Pneumatic Punch
  - Integrated Plate Bending
  - Vacuum Plate Securing System
  - Standard models for presses up to 40"
  - Customised model for large format presses
  - Can be field upgraded to TY-500 series

**Asia's No. 1  
Vision Punch Bender  
Manufacturer**



- REGISTAR TY-800 series**
- Specially developed for Newspaper Web Offset Presses
  - Computerized Sequential 1-Step Action of Optical Registration, Punching & Double-Edge Bending



- REGISTAR TY-50 Series**
- Table Top Manual Punch
  - Plate Centering Function
  - Suitable for presses up to 29"



- REGISTAR TY-800-AOL series**
- Fully automatic model for online connection to CIP systems
  - Plates are continuously fed at high speed to be perfectly registered, punched and bended
  - Conveying systems and stacker delivery



- REGISTAR TY-70 Series**
- Non-Vision Pneumatic Punch / Bender
  - Plate Centering Function
  - Standard models for presses up to 40"
  - Customised model for large format presses

**ACUTECH LLC**  
Graphic Arts Machinery and Systems Integration

# Punch Benders from Brewsolutions Sheetfed Commercial Newspaper



**REGSTAR TY-800-AOL**

Vision Punch Bending Systems for connection to CTP systems

# Concept To Customer

- Our sales process starts with measuring your existing presses and measuring the plates themselves. We look for all deviations and standards so we can assure a positive installation and make sure our locks will work to your satisfaction. We will ask for prints samples and interviews to make certain how we approach the project. Our philosophy is “measure twice cut once.”





## The Process for Success

- Once the press is measured, we will issue blueprints for making the lock parts. In addition we will issue new plate prints of the formed view required for the prepress equipment. The specifications come from the samples and prints of the existing presses and benders. You can send these drawings for use on getting new or reworked equipment or getting new plate sizes on hand for your conversion.

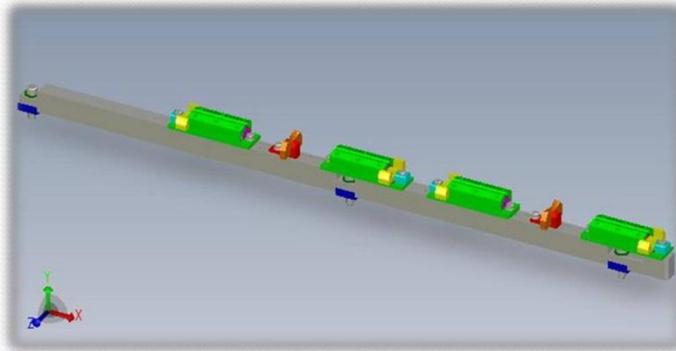
# Fit Form and Function

A common design feature of our locks is simplicity and flexibility. When possible we use a "less is more approach". Less parts, less springs, fewer pieces. Installations are fast, accurate and don't require extensive drilling and tapping or extensive downtime.



# Documentation

- We also believe in “full disclosure”. You will receive drawings and a numbered parts list of your ACUTECH lock ups system. Our drawings and parts list are available in soft copy as well.

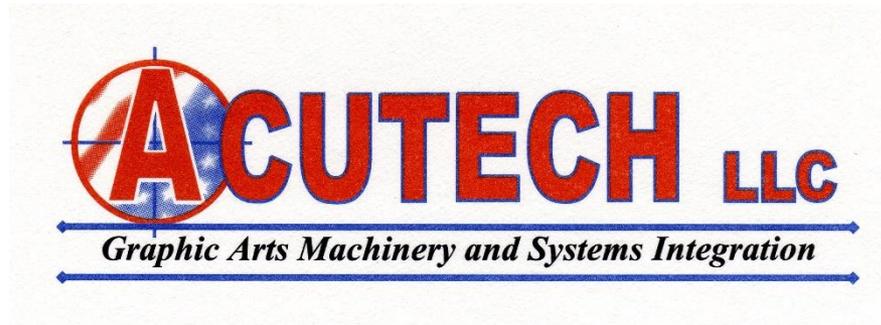


# Cooperation

- Many presses are old and drawings of cylinders or original plate prints no longer exist or are outdated. Maybe more than one bender is used and specifications are not exact. We generate new prints based on samples and existing prints. Where needed we point out differences and note whether action or a decision is needed. These can be shared as you need to. Our intent is to get your system operational without delay or problems, not to lay the blame somewhere. We have experience and want to help, you should expect an open dialogue, you are the customer.



*Thank you*



*Acutech LLC*

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