

# **GATOR FABRICATION TECHNOLOGY**



# **GATOR**

## **FABRICATION**

**STRUCTURAL STEEL  
WELDING AUTOMATION**



# ABOUT US



## Gator Fabrication Technology

The only GATOR you'll want in your shop!

Welcome to **GATOR Fabrication Technology**, where **American engineering meets innovation** in the fabrication equipment industry.

With over **50 years of combined experience** — **20 years in Key Account Management and 30 years in Engineering** — our team is dedicated to providing top-tier solutions for your fabrication needs.

🌟 **Crafted in Florida** → We offer cutting-edge fabrication and engineering solutions that drive precision and efficiency.

### Our Service Locations

No matter where you are, Gator's expert service network is here for you. We provide fast, reliable support across multiple locations in the United States:

- 📍 Greenville, SC
- 📍 Houston, TX
- 📍 Salt Lake City, UT
- 📍 Chicago, IL
- 📍 Cincinnati, OH

## WE REDEFINE EXCELLENCE



**The only GATOR you'll want in your shop!**

# FABRICATION SOLUTIONS

<b>G4P</b>	4-ROLL HYDRAULIC PLATE ROLL
<b>G3HIP</b>	3-ROLL HYDRAULIC INITIAL PINCH PLATE ROLL
<b>GAR</b>	ANGLE ROLL
<b>GPB</b>	CNC MANDREL PIPE BENDING MACHINES
<b>GDB</b>	ROTARY DRAW BENDERS
<b>GEP</b>	ELECTRONIC PRESS BRAKES
<b>ADVANCED</b>	CNC HYDRAULIC PRESS BRAKES
<b>ULTIMATE</b>	CNC HYDRAULIC PRESS BRAKES
<b>HYPER</b>	CNC VARIABLE RAKE HYDRAULIC SHEARS
<b>S-CUT</b>	CNC SWING BEAM HYDRAULIC SHEARS
<b>GDP</b>	HYDRAULIC DISHING PRESS AND MANIPULATOR SYSTEMS
<b>GFM</b>	HYDRAULIC FLANGING MACHINES
<b>SAWS</b>	CIRCULAR & SEMI/FULL AUTOMATIC BANDSAWS
<b>GHP</b>	HYDRAULIC PRESSES
<b>GPP</b>	PUNCH PRESSES
<b>TOOLING</b>	FOR PRESS BRAKE, SHEAR AND ANGLE ROLL

We reserve the right to make revisions to all content in this catalog without prior notice.



# G4P

## 4-ROLL HYDRAULIC PLATE ROLL



### High Precision and Productivity

Our 4-Roll Hydraulic Plate Rolls, equipped with **CNC and NC features**, ensure precise bending operations with exact dimensions and angles. This design enables efficient production processes and **high accuracy** in bending, maximizing your business's efficiency and productivity.

These machines feature a **durable** structure, an **automatic balancing system**, cone bending capabilities, work and worker **safety features** with infrared sensors and **energy-saving** standby modes.

### Flexibility and Versatility

Provides **flexibility** and **versatility** for various projects. They can bend sheet materials of different sizes, making them suitable for a **wide range of applications**. This capability allows you to respond **quickly** and **effectively** to customer demands.

### Durability and Longevity

CNC and NC-equipped 4-roll hydraulic plate rolls are produced to the highest quality standards and **come with a 3-year warranty**.



### Expert Support and After-Sales Services

Customer **satisfaction** is our top priority. Our expert team supports you throughout the entire process, **from pre-sales to after-sales**. We assist with product **selection**, **installation**, and **training**. Additionally, our **maintenance** and **repair** services ensure your machine **runs** smoothly.

# G3HIP

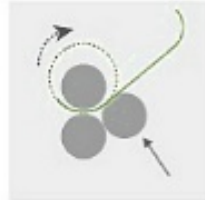
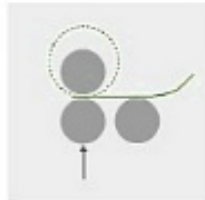
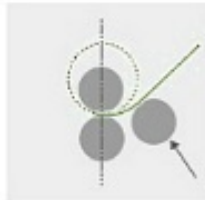
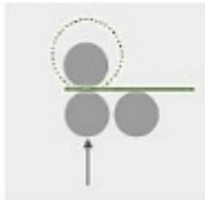
## HYDRAULIC INITIAL PINCH 3-ROLL PLATE ROLL MACHINE



Motor+Planetary Reducer Driven



Hydraulic Linear Movement



### STANDARD FEATURES

- Welded Frame
- Hydraulic Drop-end
- Mobile Control Panel
- Powered Rolls – Motor+Planetary Gearbox (Top & Bottom)
- Hydraulic movement of Side & Bottom roll
- Main Motor with Brake
- Conical Bending, Pre-Bending available
- Side Roll with Ball Bearings for thin sheet works
- SAE 1050 grade forged and hardened rolls
- Digital readout x2
- User manual

### OPTIONAL FEATURES

- Overhead Crane for large diameters
- Hydraulic Side Supports for large diameters
- Ground and polished rolls
- Wire grooves on roll ends
- NC Control
- Double Speed Rotation
- Stepless Adjustable Rotation Speed
- Hydro-motor Power

# GAR ANGLE ROLLS



The **GAR Series** is engineered with **high-strength** steel frames and **premium-grade components**, ensuring unmatched durability and long-term performance. Designed to handle a variety of profiles including **W, L, T, S, C**, as well as **solid and hollow sections**.



This series is ideal for **professional fabricators requiring precision and versatility**. Featuring Gator Plus Technology and **advanced NC Mode functionality**, the GAR Series delivers rapid, accurate, and high-quality bending, making it essential for demanding industrial applications. Our Angle Roll Machines integrate **CNC and NC capabilities** for precise, error-free bending.





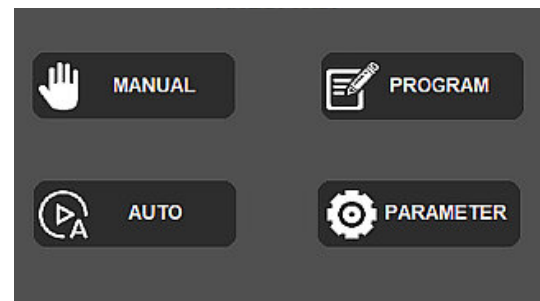
# GPB CNC MANDREL PIPE BENDERS



CNC Mandrel Pipe Bending Machines provide significant advantages over traditional hydraulic and mechanical bending machines, thanks to their **advanced technological capabilities and superior precision**. These state-of-the-art machines are equipped with **high-performance servo motors, advanced planetary gearboxes, specialized hydraulic valves and custom-engineered software**, all working in unison to deliver exceptional performance across a range of applications. The software used in CNC pipe benders is tailored to meet the specific needs of different industries, enabling customization for diverse production requirements.

These CNC machines are **indispensable in high-speed, high-volume production environments**, offering **unmatched accuracy and repeatability**. They provide **enhanced flexibility** in handling complex bending profiles and materials, significantly improving **operational efficiency**. Whether in **automotive, aerospace, or other precision-driven industries**, these machines ensure top-tier performance and reliability.

# GDB ROTARY DRAW BENDERS



## STANDARD FEATURES

- NC Interface Touchscreen that enables to write 20 lines for each 200 different programs
- 1 Set of Tooling & Foot Pedal
- Bend to CLR as small as 2 x Ø
- Touch screen programming of bend angle with system diagnostics in **multiple languages**
- Easy to use touch control allows operator to program and **automatically save bend angles**
- Display of the **load percentage** of during bending
- Bend from the control panel or foot pedal
- Easy carriage with rollers and handle
- Quick **tool change system**
- Digital display of bending angle
- Material **spring-back compensation**



# GEP

## ELECTRONIC PRESS BRAKES



Electronic Press Brakes seamlessly combine **precision, speed, and versatility** to meet the **dynamic** demands of modern fabrication.

Engineered with **state-of-the-art CNC controls** and **high-performance servo motors**, these machines deliver exceptional bending **accuracy** and **consistently** reliable results across a wide spectrum of sheet metal applications.

Designed for both medium and high-volume production environments, they ensure **efficient** operation with significantly **reduced setup times**, enabling faster turnaround times and minimal downtime.

These press brakes also feature **intuitive program adjustments**, making it easy to modify for varying bending specifications and requirements. This flexibility enhances their utility across diverse industries, where **quick adaptability** and **high precision** are essential. With the ability to handle complex bending tasks with ease, our Electronic Press Brakes are perfect for manufacturers who prioritize **reliability, precision, and increased productivity**.

Whether **for small-size fabricators or large manufacturing plants**, these machines offer the advanced technology and efficiency needed to stay competitive in today's fast-paced manufacturing landscape.

# ADVANCED CNC HYDRAULIC PRESS BRAKES



## STANDARD FEATURES

- Y1, Y2, X - 3 Axis Control (additional axis upon request)
- **Bending Force:** 66 tons through 353 tons
- **Bending Length:** 63" through 161"
- **Control:** ESA S830 10" HQ T. Screen (Cybelec 8 and Delem DA-53T available upon request)
- HD  $\pm 0.0012$ " Accuracy Servo Motor B. Gauge
- **Front Safety Laser:** Fiessler (Germany)
- **Back Safety Finger Protection System:** Fiessler or Datalogic
- **Finger Blocks:** 2 Pcs
- **Adj. Lin. Slide Bdy. Fr. Sup. Arms:** 2 Pcs
- Special Narrow Table
- Bottom Tool Holder
- **Eu. Type Top Tool Clamping:** Promecam
- **Eu. Type Top Tool:** H: 2.50" 85° R0.8 (Rolleri or Eurostamp)
- **European Type Bottom Tool:** 4V H: 2-3/8" x 2-3/8" 85° (European origin)
- Opkon Magnetic Linear Scale
- **Electrical System:** Siemens or Schneider
- **Hydraulic System:** Hoerbiger/Hawe (Germany)
- **Hydraulic Pump:** Eckerle (Italy)
- **Servo Driver:** Delta or Mitsubishi
- **Electrical Panel:** Gator
- Top illuminated
- **Foot Pedal with Em. Stop Button:** Stand Type
- **Stroke Length:** 10.4"
- **Throat Depth:** 16.1"
- **Back Gauge X-Axis Distance:** 30"
- **Daylight:** 19.1"
- **R Axis Travel:** 7.88"

# ULTIMATE CNC HYDRAULIC PRESS BRAKES



## STANDARD FEATURES

- Y1, Y2, X - 3 Axis Control (additional axis upon request)
- **Bending Force:** 60 tons through 660 tons
- **Bending Length:** 63" through 240"
- Delem 66S Series 2D Modular Control
- HD  $\pm 0.0012$ " Accuracy Servo Motor B. Gauge
- **Front Safety Laser:** German Fiessler
- **Back Safety Finger Protection System:** Fiessler or Datalogic
- **Finger Blocks:** 2 Pcs
- **Adj. Lin. Slide Bdy. Fr. Sup. Arms:** 2 Pcs
- Special Narrow Table
- Bottom Tool Holder
- **Eu. Type Top Tool Clamping:** Promecam
- **Eu. Type Top Tool:** H: 2.50" 85° R0.8 (Rolleri or Eurostamp)
- **European Type Bottom Tool:** 4V H: 2-3/8" x 2-3/8" 85° (Rolleri or Eurostamp)
- Opkon Magnetic Linear Scale
- **Electrical System:** Siemens or Schneider
- **Hydraulic System:** German Hoerbiger/Hawe
- **Hydraulic Pump:** Italian Eckerle
- **Servo Driver:** Delta or Mitsubishi
- **Electrical Panel:** Gator
- Top illuminated
- **Foot Pedal with Em. Stop Button:** Stand Type
- **Stroke Length:** 14.4"
- **Throat Depth:** 34"
- **Back Gauge X-Axis Distance:** 30"
- **Daylight:** 23"
- **R Axis Travel:** 7.88"



# HYPER CNC VARIABLE RAKE HYDRAULIC SHEARS



## STANDARD FEATURES

- Elgo P40T Touch Screen Color Control Unit
- CNC-Controlled Blade Gap Adjustment: Automatically adjusts blade gap for optimal cutting precision.
- CNC-Controlled Cutting Length Adjustment: Automatically adjusts cutting length to suit material and requirements.
- CNC-Controlled Rake Angle Adjustment: Automatically adjusts the rake angle for consistent cutting performance.
- Back Safety System: Provides enhanced protection during operation.
- Full-Length Flip-Up Finger Guard Cage: Safety feature for operator protection across the entire length of the machine.
- Shadow Line & Lighting: Illuminates the cutting area for better visibility and precision.
- Ball Integrated Front Tables: Easy material handling with integrated ball transfers.
- Gator Ball screw Back Gauge: 40" travel with automatic swing-up for accurate positioning.
- Laser Cutting Line
- Squaring Arm with Scale & T-Slot & Tilting Stop: 40" length for precise material alignment from the cutting length.
- Support Arm with T-Slot & Tilting Stop: 40" length for added support and accurate positioning.
- Foot Pedal with Emergency Stop Button: Convenient and safe foot-operated control with emergency stop functionality.
- Top and Bottom Blades: High-quality blades for clean and precise cutting.
- Optional Equipment
  - Cybelec Touch8 Touch Screen Color Control Unit
  - Pneumatic Sheet Support System (Fixed Type)
  - Pneumatic Sheet Support System (Modular Type)
  - 0-180° Front Angle Gauge
  - Back Gauge Servo Motor Difference
  - Light Curtain for Finger Protection
  - Oil Coolant with Fan

# S-CUT

## CNC SWING BEAM HYDRAULIC SHEARS



### STANDARD FEATURES

- CopCut 8 or Cybelec Cybtouch 8 Control Unit
- CE-Norm compliant
- Rear Sheet Slider : Smooth material handling
- Motorized Blade Gap Adjustment: Automated for precise cutting performance
- Ball Screw Back Gauge: 40" travel for accurate material positioning
- 40" Flip-Up Finger Guards with Flexi Glass: Enhanced safety for operators
- Squaring Arm: L= 60", with scale, T-slot, and tilting stop for precise alignment
- 2 Support Arms: L= 40" for added stability and support
- Ball Transfer Tables: Facilitates easy material handling
- Stroke Counter from Control Unit: Provides accurate stroke counting for process monitoring
- Rubber Pads for Hold-downs: Ensures secure material positioning during cutting

- LED Illumination & Shadow Wire: For clear visibility and precision
- Top and Bottom Blades with 4 Sides: Multi-sided blades for extended lifespan and performance

### OPTIONAL FEATURES

- Light Curtains for Finger Protection
- Pneumatic Thin Sheet Support Device
- Additional Support Arms L= 78"
- Additional Support Arms L= 118"
- Extension Support Arms L= 78"
- Extension Support Arms L= 118"
- Squaring Arm on the Right Side
- Adjustable Angle Stop 0-180°
- Laser Cutting Line
- Spare Blades for Top and Bottom (1 Set)

# GDP

## HYDRAULIC DISHING PRESS & MANIPULATOR SYSTEMS



- The **Hydraulic Dishing Press with Manipulator System** is engineered for the precise and efficient forming of bottoms and ceilings of cylindrical metal containers, including both pressurized and non-pressurized types, with varying wall thicknesses. This system is ideal for industrial applications that demand both speed and precision in producing dished covers.
  - The **manipulator hydraulics** are specifically designed for crowning dished heads, ensuring high-quality results.
  - The **upper and lower beams** are connected with sturdy struts, enhancing structural integrity.
  - The **portal frame** features hydraulic extension tie rods, providing excellent resistance to deformation and improving flexibility during operation.
  - **Automated manipulators** enable the simultaneous processing of multiple plates, significantly reducing production time while improving the consistency of results.
  - **Integrated numerical control (NC)** ensures all machine movements are synchronized for maximum precision, optimizing both productivity and product quality.
- Our machines are equipped with advanced hydraulic systems to perform precise pressing operations, while the manipulator movements are controlled with exceptional accuracy.
- Below are the key specifications for sizing:
- Pressing Power
  - Inter-Press Distance
  - Maximum Pressure
  - Cylinder Diameter
  - Engine Power
  - Dimensions and Weight
- This detailed information will help you choose the optimal machine based on your production requirements and the specific type of rolled steel plate you'll be working with.



# GFM

## HYDRAULIC FLANGING MACHINES



- The **Hydraulic Flanging Machine** is expertly designed for efficiently bending the edges of both curved and non-curved lids used in cylindrical metal containers, whether pressurized or non-pressurized. The robust construction of **GATOR Machines** enhances your production capabilities, ensuring high-quality, durable results while boosting operational efficiency.
- The machine guarantees **complete circular edge formation**, ensuring maximum stability and efficiency throughout the flanging process.
- **Forming Rollers** are made of **high-resistance steel**, induction-hardened for durability, and specifically designed to achieve the desired edge radius.
- The **Flanging Machine** operates smoothly, with an articulated flange roll shape that minimizes material waste.
- Capable of working with a range of metal sheets—from **thin to thick materials**—while maintaining **precise results** and **ease of operation**.
- The machine operates in **both manual and CNC (automatic)** modes, providing versatility to suit different production needs.
- The **hydraulic system** allows for **height and direction adjustments**, making it adaptable for various edge flanging requirements.
- The **high-torque top flanging roll** enhances rotation speed, allowing for faster operations and increased overall production efficiency.
- This feature supports **precise processing** of various metal sheets, including tasks like **CNC metal plastering, flanging, and bowl head forming**.
- Provides the flexibility to produce parts of various shapes and sizes, improving **productivity** while maintaining high-quality results.

# SAWS

## CIRCULAR SAWS



The **XS Model** is designed for **mass production** in continuous operation, ideal for cutting steel and non-ferrous metals with material cross-sections up to **6.3"** in diameter. This model is engineered to deliver high-speed, precise cuts using **TCT circular saw blades** for solid bars, while also offering compatibility with **HSS blades** for cutting tubes.

## PIVOT TYPE BANDSAWS

### SEMI/FULL AUTOMATIC DOUBLE MITER BANDSAWS



### SEMI/FULL AUTOMATIC STRAIGHT CUT BANDSAWS



### SEMI/FULL AUTOMATIC SINGLE MITER BANDSAWS

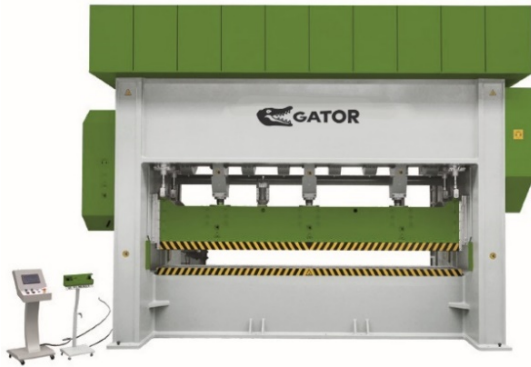


### Semi-Automatic Operation

After the cutting process, the **bow of the machine** automatically lifts, ensuring seamless material handling and quick readiness for the next cycle.

# **GHP** **HYDRAULIC PRESSES**

**LAMINATION PRESS WITH 3 ARMS**



**HYDROFORMING PRESS**



**COLUMN DEEP DRAWING PRESS**



**DEEP DRAWING PRESS**



**SMC PRESS**



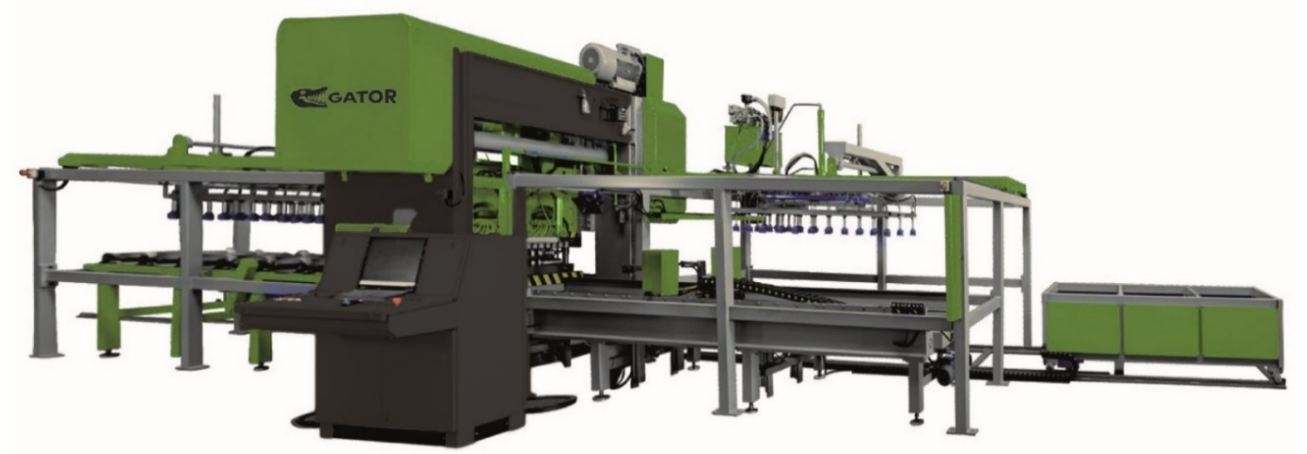
**HORN PRESS**





# **GPP** **PUNCH PRESSES**

## **CORRUGATED SHEET PUNCHING LINE**



## **HOLE PERFORATION PUNCH PRESS**



# TOOLING

## Press Brake Punches & Dies



GATOR press brake punches are available in a variety of sizes and configurations. We provide gooseneck, hemming, sash, offset punches and more. We provide **American, European and New Standard style tangs** depending on your needs. Single and multi-v, acute, hemming dies, tool holders, die rails and tooling productivity products are another expertise of GATOR team and if you don't exactly know what you need, we are here to help at every step of the way.

## Premium Quality Tube & Pipe Rolls

GATOR supplies a wide range of angle roll dies designed to support extreme rolling performance. It is critical to have the correct tube and pipe dies and rolling plates to achieve the best rolling results. We can guarantee you that you are in good hands and we will make sure those results wow you! Our dies are produced with the state-of-the-art technology at our award-winning manufacturing facilities and we are proud of the vast industry experience we have.



## Shear Blades

Are you tired of swapping the blades on your shear to get more life out of them? Is it costing you too much money to have all the scrap metal because your shear blades are not sharp anymore and ready to retire? You don't want to have down time with your shear because it is taking too long to get your blades sharpened and it is costing you a fortune? Contact us today! We can help!

## Horizontal Press Tooling

Enhance your metalworking capabilities with GATOR's premium horizontal press tooling, crafted for the American market. Designed for strength and precision, our tools deliver exceptional performance for bending, straightening, and forming tasks.


Ask For Other Catalogs

➤ STRUCTURAL STEEL

➤ WELDING AUTOMATION





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