It’s difficult to compete in today’s world with yesterday’s technology. We have solutions.
JMT machines are built by the largest volume press brake producer and the most respected manufacturer of sheet metal machinery in the world. This factory is one of the world’s most contemporary production plants, with a 1.5 million square foot footprint and over 1500 dedicated employees.

JMT machines are built to extremely stringent standards and the factory has maintained continuous product research and development since 1956. With 75 R&D and product engineers on-staff at the plant, JMT products utilize the most modern techniques in design and engineering, and are equipped with proven quality components to fulfill a customer’s most exacting requirements. JMT combines “accuracy, speed, flexibility, durability, reliability and advanced technology” with the highest performance/price ratio in the world.

A nationwide network of JMT distributors and technical support personnel are in place to assist you.

Our machines are built with world-renown components such as Rexroth, Siemens and Schneider, which are available off the shelf from your local supplier, your dealer, or direct from JMT.

For more information please visit JMTUSA.com.

You can also email us at JMT@JMTUSA.com or call toll free to 855-773-7727 (855-PRESS-BRAKE).
**JMT Press Brakes**

JMT press brakes guarantee precision, low maintenance costs, low operating costs, and long-term reliability. These features, along with large investments in modern manufacturing equipment, have made the factory the largest volume press brake producer in the world.

All JMT press brakes are produced with modern design technology and incorporate rigid stress relieved frames to increase your productivity with accurate part production. Demanding application requirements are easily met. JMT press brakes come in a broad range of sizes with features to satisfy nearly all budgets.

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**JMT AD-R Series Press Brakes**

<table>
<thead>
<tr>
<th>3-5 Axis CNC</th>
<th>4'-20' Bending Lengths + Tandem</th>
<th>66-660 Tons</th>
</tr>
</thead>
</table>

These value-oriented press brakes have exceptionally large strokes, daylights, and throat depths to allow cost effective production of simple to complex shapes that require large dimensions for ease of handling and removal. An easy-to-use control reduces the required operator skill level.

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**JMT AD-S Series Press Brakes**

<table>
<thead>
<tr>
<th>5-14+ Axis CNC</th>
<th>6'-30' Lengths + Tandem/Trio/Quad</th>
<th>66-4000 Tons</th>
</tr>
</thead>
</table>

The possibilities are unlimited with these popular press brakes that feature faster setups and part production as well as large daylight opening and working areas.

Features include a stable and fast AC servo motor-driven back gauge system; a powerful, yet simple, 3D graphical viewing controller (standard); automatic CNC table crowning; and outboard-mounted long ram guides (which provide stability while allowing full length between the frames for acute angle bending).

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**JMT AD-SERVO Hybrid Series Press Brakes**

<table>
<thead>
<tr>
<th>5-14+ Axis CNC</th>
<th>8'-10' Bending Lengths</th>
<th>110, 150, 195 Tons</th>
</tr>
</thead>
</table>

These eco-friendly hybrid press brakes provide fast, quiet, clean, accurate bending operations at a lower cost in an energy-efficient press brake design.

Like the AD-S, the AD-SERVO features a stable and fast AC servo motor-driven back gauge system; a powerful, yet simple, 3D graphical viewing controller (standard); automatic CNC table crowning; and outboard-mounted long ram guides (which provide stability while allowing full length between the frames for acute angle bending).

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**JMT FBS Press Brakes (Flexible Bending Solutions)**

JMT provides the latest technology in "large format" bending and automation with their "Flexible Bending Solutions." This advanced technology allows diversified uses in different industries while avoiding long, expensive welding operations (which also risk the stability of the material).

Features include reduced material handling, compensation for high spring-back sheets, reduced setup times through automated loading and unloading as well as increased employee safety.

The higher tonnage press brakes utilize a unique "box construction" design which provides the most stable machine frame in the industry.
5-14+ Axis CNC
66-4000 Tons
6'-30' Lengths + Tandem/Trio/Quad
Powerful, easy-to-use CNC touch screen control with 3D graphical visualization
High-end solution for bending
Representing the latest technology in press brake automation
Well-conceived design
The ultimate in precision and productivity
Large daylight opening and working space
The application of highly dynamic hydraulic servo valves
Long double guides in combination with well-designed cylinder construction make a large and flexible beam opening possible
Stable and fast AC Servo motor driven back gauge system
CNC-controlled crowning — ensures maximum angle accuracy thus satisfying even the highest demands
Provides CNC control of 5 axes: Y1, Y2, X, R and CNC motorized wave crowning (standard equipment)
CNC Crowned Motorized Crowning System equalizes bending force along every point of the part to produce straight bends and eliminate the need for shimming.

Quickset Support Arms are mounted on a linear guide way and ball bearing system that allows "finger tip" lateral adjustment of the front support arms. Vertical adjustment is quick and easy.

X/R Back Gauge

With the X/R style back gauge, the height of the back gauge is programmable in addition to the depth. This is very useful for changes in die height, extreme crowning settings, and for gauging to a flange that may be a different height than the die.

Finger depth and height is calculated by the CNC controller and executed by high-speed Siemens servo motors. Retraction is also a standard feature that helps the accuracy of the produced part. Back gauge fingers are easily adjusted on linear guides by a ball bearing integrated motion system.
Because of the versatility of press brakes and their uses, safety at the point of operation is the responsibility of the owner and operators. **JMT** offers the ram-mounted AKAS-LC Safety Light Guard. Located at the bending level and based on the location of the punch tip, this system helps prevent injuries. Transmitter and receiver are fixed to the ram of the machine and form a laser-optical safety light grid that follows the ram or punch tip.

**Large Working Space (Standard)**

**Large Stroke + Large Daylight + Large Throat**

The large openings and strokes of the AD-S Series facilitate the versatile production of complex large parts requiring increased clearance, such as the production of deep-sectioned four-sided boxes. This provides for more clearance when bending parts with larger flanges. In some cases this allows the buyer to purchase a shorter press brake, as this large clearance allows large flange bending. The wide space can also reduce cycle times.

**Shimless Bending (Standard)**

**Laser Safety Systems (Optional)**

**JMT** offers both manual and automatic controlled crowning systems for all our press brakes. Automatic CNC crowning comes standard on our AD-S machines. The position and setting is automatically calculated and set from the normal program information via the CNC control.
**American/European Box Clamping (Standard)**

Because of their deep sectioned characteristics, our standard American/European style clamps are very useful in deep box forming. They are designed with an integrated wedge which allows vertical adjustment to offset deflection and tool wear.

**Hydraulic New Standard Clamping (Optional)**

Wila’s hydraulic New Standard clamping is a state-of-the-art system that operates quickly and easily without any external moving parts. This type of clamping is especially suitable for automatic tool changeovers.

**Hydraulic Euro-Style Clamping (Optional)**

**JMT Tool Clamping (Optional)**

**Hydraulic Punch Clamping (Optional)**

**JMT Hydraulic Punch Clamping (Optional)**

*JMT* offers several styles of hydraulic punch clamping. Each automatically centers and seats the punch and allows vertical removal. Setup times can be dramatically reduced. It is available for American and New Standard style concepts.

Patented “easy slide” removal of the punch. Built to withstand loads up to 330 Tons per foot for demanding jobs with heavy load over short area.
Hydraulic Die Clamping (Optional)

Hydraulic die clamping provides an equally fast method of securing the lower dies. It is available for both American/European and New Standard style dies.

JMT Laser-Hardened Tools (Optional)

Typically machines 350 tons and over are equipped with a large multi-V die with five or more v-openings. The opening sizes are dependent on the machine tonnage.

Precision Ground 4-Way Die (Optional)

JMT offers an economical, versatile precision ground tooling package that consists of a four way bottom die (openings: 0.625"/88°; 0.866"/88°; 1.37"/85°; 1.96"/85°), a four way die holder, and a 75" punch with a 0.030 radius. The longest punch/die is 32".

New Standard Style Tooling (Optional)

The New Standard concept is also available, representing the latest in modern press brake tooling technology.

American Style Tooling (Optional)

Both precision ground and sectional tooling (Wila, Wilson), as well as conventional full length plainer style tooling (JMT) is available.

Multi-V Adjustable Die Systems (Optional)

Multi-V dies are your most versatile solution in today’s demanding market.

Hydraulic Die Clamping (Optional)

Hydraulic die clamping provides an equally fast method of securing the lower dies. It is available for both American/European and New Standard style dies.
**JMT AD-S Press Brake Back Gauge Options**

- X, R, Z1, Z2 – 4 Axes (Optional)
- X1, X2, R, Z1, Z2 – 5 Axes (Optional)
- X1, X2, R1, R2, Z1, Z2 – 6 Axes (Optional)
- Delta X (Optional)

**JMT AD-S Press Brake Back Gauge Fingers**

- Finger Blocks (Standard)
- Special Fingers (Optional)
Manufacturing sheet metal parts with accurate angles that are kept constant at all times, even when material parameters change, is very difficult. The best solution is a laser-based angle measuring device.

- Lasers can measure any bending angle.
- Lasers are very compact — everything is contained in the appliance.
- Lasers are accurate regardless of lighting influences. Working with light or dark material surfaces have almost no effect on a laser.
Delem DA-66T (Standard)

Embedded Reliability
Delem DA-Touch controls feature embedded, real-time Windows operating system for maximum reliability. Smooth start-ups are ensured, even after instant shut-off.

DA-66T Features
- 2D graphical touch screen programming mode
- 3D visualization in simulation and production
- 17” high resolution color TFT
- Full Windows application suite
- Delem Modusys compatibility (module scalability and adaptivity)
- USB, peripheral interfacing
- Open system architecture
- User specific application support within the controllers multitasking environment
- Sensor bending and correction interface

Standard Configuration
- Color LCD display
- 17” TFT, high brightness
- 1280 x 1024 pixels, 32 bit colour
- Full touch screen control (IR-touch)
- Storage capacity 256 MB
- 3D graphics acceleration
- Standard Windows® networking
- Emergency switch
- Integrated OEM-panel
- USB flash memory drive

Field Option
- Part support control
- X1-X2 angle programming
- Barcode reader interfacing
- Protractor interfacing
- Frame deflection compensation
- Sensor bending and correction interfacing
- Sheet thickness measurement and compensation system

The new generation DA-Touch controls offers an even higher grade of efficiency in programming, operation and control of today’s press brakes. Ease of use combined with state-of-the-art technology go hand in hand, improving productivity.

The touch screen gives access to the proven Delem user-interface and enables direct navigation between programming and production. Functions are directly located where you need them, offering optimized ergonomics throughout the application.

The DA-66T offers 2D programming that includes automatic bend sequence calculation and collision detection. Full 3D machine set-up with multiple tool stations giving true feedback on the product feasibility and handling.

Highly effective control algorithms optimize the machine cycle and minimise set-up time. This makes using press brakes easier, more efficient and more versatile than ever.

The OEM-panel located above the screen, reserved for machine functions and OEM-application switches, is integrated in the design and can be used depending on the required application.
General
- Real-time embedded Windows® OS
- Multitasking environment
- Instant Shut Off
- Delem Modusys compatible

Electrical / interfacing
- Power supply: 24V
- Modusys HSB bus (up to 15 axes)
- RS232 port
- Network interface (100Mb/10Mb)
- USB ports
- SafetyPLC interfacing
- Protractor interfacing
- Angle control interfacing

Control
- Servo- / 2 speed AC control
- Unipolar / frequency inverter control
- Direct pressure valve control
- Direct proportional valve Y1, Y2 control
- Direct crowning control
- Multiple digital function outputs
- Tandem operation

Programming
- Alphanumeric product naming
- Real-scale product programming and visualization
- Automatic bend sequence calculation
- Easy graphical bend sequence swap and move
- Hemmed products programming
- One page programming table
- Graphical product and tool selection
- Programmable material properties
- Programmable axis speed
- Free material programming
- Product & tool search filter
- Inches/Millimeters, Ton/kN selection
- Stock counter
- Product notes

Tooling
- Graphical tool configuration
- Multiple tool station set-ups
- Tool segmentation visualization
- Alphanumeric tool identification
- Free graphical tool programming
- Hemming tools
- Radius tools
- Tool adapter support

Computed
- Tooling safety zones
- Press force
- Bend allowance
- Crowning adjustment
- Developed length
- Bottoming force
- Hemming force
- Auto bumping calculation
- Radius programming
- Bend allowance table
- Learned angle correction database

Miscellaneous
- 'Teach-in’ on all axes
- Handwheel movement of all axes
- Operator selectable dialogue languages
- Integrated help functions
- Error messaging system
- Diagnostic program
- Internet Explorer (web browser)
- Remote diagnosis
- User specific applications support
- Machine time + stroke counter
- On board Analysis Tool
- Sequencer functionality (PLC)
Delem DA 69T (Optional)

The optional DA-69T offers both programming that includes automatic bend sequence calculation and collision detection. Full 3D machine set-up with multiple tool stations gives true feedback on the product feasibility and handling.

DA-69T Features
- 3D and 2D graphical touch screen programming mode
- 3D visualization in simulation and production
- 17” high resolution color TFT
- Full Windows application suite
- Delem Modusys compatibility (module scalability and adaptivity)
- USB, peripheral interfacing
- Open system architecture
- User specific application support within the controllers multitasking environment
- Sensor bending & correction interface
- 2D/3D graphical CNC system for hydraulic press brakes with fully automatic bend sequence computation and CNC production computation

Standard Configuration
- Color LCD display
- 17” TFT, high brightness
- 1280 x 1024 pixels, 32 bit color
- Full touch screen control (IR-touch)
- Storage capacity 1 GB
- 3D graphics acceleration
- Standard Windows® networking
- Emergency switch
- Integrated OEM-panel
- USB flash memory drive

Field Option
- Part support control
- X1-X2 angle programming
- Barcode reader interfacing
- Protractor interfacing
- Frame deflection compensation
- Sensor bending & correction interfacing
- Sheet thickness measurement and compensation system

ModEva 10S/12S/15S 3D with PC 1200 3D S W (Optional)

ModEva is a range of numerical controls adapted to the actual market demand. Therefore the complete ModEva series runs now under Windows ModEva can provide a calculating capacity and performance adapted to simple machinery with a 3D graphic display, it can also be transformed into a real workstation with a very high-power CPU and maximum graphic capabilities thus making Cybelec® adapted numerical control available to the most sophisticated machinery.

3D / 10,4” color screen
TFT type screen
128 Mb Ram
128 DM Main Memory
Easy Cursor
Automatic Bend Sequences
PC Off line 3D Software

All ModEva™ consoles are equipped with the new Quick Cursor™ device. One of its main features is the possibility of completely programming a part on a single page. When producing more complex parts, the graphic sequences generated by a CAD/CAM system can easily be viewed on the user console.

All ModEva come with PC 1200 off line bending software. PC 1200 program allows you to prepare your programs, calculate offers and check feasibility of the parts in your Office on a PC. No time wasted on the machine.
Delem's VBend Virtual Bend software is a high-end CAD-CAM package that offers an offline solution for programming your press brake, as well as post processing the programs and showing a simulation of the actual bending process.

Product programming, make-ability checks, tool preparation and many other activities can be carried out offline.

The VBend suite includes bend sequence calculation and modification in the main program completed with either a graphical product programming or multiple import converters for externally developed designs. This can be done in both 2D and 3D CAD file formats.

The simulation integrated in VBend shows the user the bending process on an accurate model of the press brake that is being used. With the simulation even the latest dynamic collisions and practical production issues can be optimized in the design stage.

After finishing, a product can easily be transferred to a machine for production.

In VBend multiple press brake models can be used for a complete production environment.

**Features**

- Full-scale offline programming, simulation and adjustments
- Fast graphical product programming and program generation
- Full 3D automatic bend sequence calculation
- Static and dynamic collision detection
- Feasibility studies and production preparation
- Direct CAD 2D/3D input interface DXF / SAT / IGES / STEP
- Flexible bend sequence calculation via unbending or bending
- Parametric tool definition
- Tools import and export
- Special tool operations (hemming, radius, etc.)
- Automatic tool set-up (type, heels, position)
- Tool optimization
- Printout of CNC program and machine set-up
- DXF output in cutting dimensions for laser machines
- VDraw fast product drawing tool
- Simulation on detailed virtual customized press model
- Machine set-up preparation including print-out functionality
- Product sharing over Windows networking with press brake CNC
- Windows XP / Vista compliant

**Ordering Configuration Options**

**Standard**

- Flexible bend sequence generation
- Collision detection for part, tools and machine
- 3D accurate machine representation
- 3D finger view
- T.O.M.(R), tool optimization module

**Ordering Configuration Options**

- VBend VMMSD Offline Software
  - Includes DXF-converter (VDXF)
- VBend VMSF Offline Software
  - Includes fast graphical drawing module (VDraw)
- VBend VMSX Offline Software
  - Includes DXF-converter and 3D-importer (V-SAT)
- V-IGES / V-STEP
Delem VBend Technical Specifications

Programming Functions
• Bend sequence generation (unbend / bend by bend start flat)
• Numeric product naming, up to 7 digits
• Automatic bend sequence calculation
• Graphical product and tool selection
• Programmable axis speed
• Free material programming
• Special tool operations (hemming, bumping, etc.)
• Number of steps up to 99
• Production simulation on accurate press brake model
• CNC program editor
• Easy millimeter/inch conversion
• kN / Ton selection

Tooling
• Graphical tool configuration
• Multiple tool station set-ups
• Tool optimization module (TOM)
• Tool segmentation visualization
• Parametric tool definition
• Tool import / export
• Tool library / database

Computed Functions
• Tooling safety zones
• Press force
• Bend allowance
• Crowning adjustment
• Bottoming force
• Hemming force
• User definable bend allowance tables
• DXF output in cutting dimensions

Graphical Print Functions
• Print-out of CNC program includes:
  - Product data
  - Tool set-up
  - Numerical bend sequence
  - Graphical bend sequence

Miscellaneous Features
• Multiple onboard dialogue languages
• Help texts, via Online Help functions
• Customized press brake modelling

System Requirements
• IBM compatible PC
• Windows 2000 / XP
• CD-ROM player
• Parallel or USB port

Option:
V-DXF
DXF Conversion Tool
• Automatic conversion of DXF files
• Manual conversion using layer selection
• Conversion of DXF files in projection dimensions
• Conversion of DXF files in cutting dimensions
• Use and store of configuration settings
• Editing operations for fine tuning

Option:
V-SAT
3D Importer and Conversion Tool
• Automatic conversion of SAT / IGES / STEP files
• Manual corrections / healing
• Use and store of configuration settings
• Editing operations for fine tuning
Delem’s Profile-W Profile-on-Windows entry level operator/user package is a 2D/3D software solution that facilitates offline programming and simulation.

The graphical product programming shows a real-scale representation of the intended product. This realistic product information gives feedback to the programmer on feasibility and required tools and tool adapters. Even special product operations like hemming are supported in both the graphical product programming screen and the bend sequence computation screen.

Product programming, make-ability checks, tool checks, operator training, production notes and many other activities can be carried out offline.

The Profile-on-Windows package offers the same familiar interface as the control. After programming, a product can easily be transferred to machine for production.

Features
- Full-scale offline programming
- Familiar GUI 1-to-1 user interface with DAonWindows controls (DA-66W/DA-69W compatible)
- Software upgrades parallel to DA-66W and DA-69W versions
- Easy import of Delem control settings
- Graphical product programming and program generation
- Feasibility studies and production preparation
- 3D machine representation
- X1-X2 angle programming
- 3D finger view standard available
- Full 3D automatic bend sequence calculation
- Collision detection
- Product sharing over Windows networking with press brake CNC
- Machine set-up preparation including print-out functionality
- Production time calculation
- Printing functionality of products and tools
- Easy support for end users
- 2 versions (2D or 3D) for leveling:
  - W2D basic package, with graphics similar to DA-66W
  - W3D extra option with graphics similar to DA-69W

Profile-W2D
- Graphical product drawing
- Tool drawing 2D
- 2D bend sequence calculation
- 3D machine set-up / tool stations

Profile-W3D
- Additional 3D product drawing
- 3D full automatic bend sequence calculation
Delem Profile-W Technical Specifications

Programming Functions
- Alphanumeric product naming, up to 25 characters
- 2D / 3D real-scale product programming and visualization
- Automatic bend sequence calculation in 2D and 3D
- Easy graphical bend sequence swap and move
- Front part support visualization
- One page programming table
- Graphical product and tool selection
- Programmable axis speed
- Free material programming
- Program repeat max. 9,999
- Number of steps up to 99
- Step repeat, 99 max.
- Product & tool search filter
- Millimeters / inches
- kN / Ton selection

Tooling
- Graphical tool configuration
- Multiple tool station set-ups
- Tool segmentation visualization
- Alphanumeric tool identification, up to 25 characters
- Free graphical tool programming
- Tool adapter support

Computed Functions
- Tooling safety zones
- Press force
- Bend allowance
- Crowning adjustment
- Developed length
- Bottoming force
- Hemming force
- Auto bumping calculation
- Radius programming

Graphical Print Functions
- Print-out of CNC program, including:
  - Product data
  - Bend sequence
  - Tool set-up

Miscellaneous Features
- Multiple onboard dialogue languages
- Help texts, via Online Help functions
- User definable color setting
- VBend demo program included

System Requirements
- IBM compatible PC
- Windows 2000 / XP
- Minimum 40MB free disk space
- CD-ROM player
- Parallel or USB port

JMT AD-S Press Brake Sheet Followers

CNC Controlled Sheet Followers (Optional)

CNC-controlled followers reduce operator involvement and “dishing” of large sheets or panels. Followers support large sheets as they are being bent. A “parking station” is available on one end of the bed allowing the operator to quickly and easily position the sheet follower units out of the way when they are not required for a job. The following units adjust easily in height and width via a linear guide. Power height adjustment is standard.
JMT AD-S Press Brake Automation

Large Format Automation

JMT AD-S Press Brake Large Format Options

Large Format Press Brakes  Tandem/Trio/Quad Systems
JMT AD-S Press Brake Large Multi-V Options

Large Manual and Motorized Multi-V Dies (Optional)

JMT AD-S Press Brake Air Bending Tonnage Guide

For t = 1/2 inch or more, use v = 10t.

PLEASE VERIFY YOUR TOOLING IS CAPABLE OF HANDLING THE TONNAGE

* Tonnage requirements for coining are 3 to 5 times Greater than when air bending. Bending pressures for other metals are:
  * Soft brass = 50% of pressure shown
  * Soft Aluminum = 50% of pressure shown
  * Aluminum alloys heat treated = same as steel
  * Stainless steel = 50% more than steel
JMT AD-S Series press brakes are manufactured with exceptionally large stroke and daylight combinations as well as high speed ram and back gauge positioning. The production of deep boxes and other parts requiring large clearances are produced with ease. The AD-S Series is truly a machine for fast and accurate production of precision parts; simple, complex, large or small.

- 5 axis CNC:
  - Y1, Y2 precision ram positioning*
  - X, R precision servo-driven back gauge
  - CNC motorized wave crowning
- Large trio of value:
  - Large open height
  - Large stroke
  - Large throat depth
- Delem DA-66T touch screen CNC control unit with 3D graphical visualization (see optional controls below)
- CNC controlled hydro-mechanical crowning (standard on 880 Ton and larger)
- Clamping:
  - American/European section-style box punch clamps (standard on 440 Ton and lower)
  - American-only style punch clamp available at no charge on 440 Ton and lower
  - JMT clamping system (standard on 660 Ton and larger)
- Standard X-axis travel is 25.6” with third gauge step capable of gauging parts up to 39” with standard back gauge (most machines)
- Stable and fast AC servo motor-driven precision back gauge with linear guide and ball bearing system (X - R)
- Quick-set sliding front sheet support arms with full-length linear guide, tilting stop and T-slot (front gauging squaring, etc.)
- Protection covers (side and rear safety doors)
- Rear work light
- World-class hydraulic and electronic components that are easily replaceable (parts stocked by us or available off-the-shelf from your local supplier):
  - Hydraulic blocks and valves (Rexroth)
  - Electronics system (Siemens, Schneider)
- High-yield plate construction
- Ability to accurately fade ram
- Stage bending
- Automatic bend sequence determination
- Automatic stretch length calculator for blank size determination

Many options and customizations are available — please contact us for details.

Web: JMTUSA.com
Email: JMT@JMTUSA.com
Call Toll Free: 855-773-7727
(855-PRESS-BRAKE)
### JMT AD-S PRESS BRAKE TECHNICAL DIMENSIONS

#### Y-Axis Speeds (Inches per Minute)

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<tbody>
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<td>4' 1&quot;</td>
<td>66</td>
<td>3' 5&quot;</td>
<td>472 23 260</td>
<td>Motorized 15.75&quot; 4&quot; 35.4&quot;</td>
<td>- 6.3&quot; 13.75&quot;</td>
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<td>66</td>
<td>5' 7&quot;</td>
<td>472 23 260</td>
<td>Motorized 15.75&quot; 4&quot; 35.4&quot;</td>
<td>- 6.3&quot; 13.75&quot;</td>
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<td>7' 2&quot;</td>
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<td>- 10.4&quot; 16&quot;</td>
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<td>- 10.4&quot; 16&quot;</td>
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<td>AD-S 30175</td>
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<td>Motorized 24.8&quot; 6&quot; 35.4&quot;</td>
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<td>AD-S 30220</td>
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<td>8' 6&quot;</td>
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<td>Motorized 24.8&quot; 6&quot; 35.4&quot;</td>
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**Notes:**

- **A** Bending Length
- **B** Bending Force
- **C** Between Frames
- **D** Y-Axis Rapid Speed
- **E** Y-Axis Working Speed
- **F** Y-Axis Return Speed
- **G** CNC Crowning
- **H** Daylight
- **I** Bed Cap Width
- **J** Bed Height
- **K** Depth of Pit
- **L** Stroke
- **M** Throat Depth

- **AD-S SERIES**
- **PRESS BRAKE TECHNICAL DIMENSIONS**
- **Model**
- **AD-S**
- **Bending Length**
- **Bending Force**
- **Between Frames**
- **Y-Axis Rapid Speed**
- **Y-Axis Working Speed**
- **Y-Axis Return Speed**
- **CNC Crowning**
- **Daylight**
- **Bed Cap Width**
- **Bed Height**
- **Depth of Pit**
- **Stroke**
- **Throat Depth**

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**Specifications:**

- Tandem/Triple/Quad machine configurations for increased bending length
- Longer back gauge travel
- Extra throat depth (up to 60”)
- Custom distance between frames

The above are standard specifications.
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<th>Sliding Support Arms</th>
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<td>AD-S 801250</td>
<td>4</td>
<td>6</td>
<td>709</td>
<td>39.4”</td>
<td>53.4”</td>
<td>591</td>
<td>9.85”</td>
<td>75</td>
<td>264</td>
<td>32’10”</td>
<td>10’8”</td>
<td>19’4”</td>
</tr>
<tr>
<td>AD-S 801600</td>
<td>4</td>
<td>6</td>
<td>709</td>
<td>39.4”</td>
<td>53.4”</td>
<td>591</td>
<td>9.85”</td>
<td>120</td>
<td>330</td>
<td>33’2”</td>
<td>10’8”</td>
<td>21”</td>
</tr>
<tr>
<td>AD-S 802000</td>
<td>4</td>
<td>6</td>
<td>709</td>
<td>49.25”</td>
<td>63.25”</td>
<td>591</td>
<td>9.85”</td>
<td>150</td>
<td>530</td>
<td>34’6”</td>
<td>14’4”</td>
<td>26’7”</td>
</tr>
</tbody>
</table>

The above are standard specifications.*

Please contact us for other **sizes** and **options**:

- Bed lengths to your specifications
- Custom distance between frames
- Extra throat depth (up to 60")
- Extra open height
- Extra stroke
- Longer back gauge travel
- Tandem/Triple/Quad machine configurations for increased bending length

*All readily available.*

*Due to ongoing product development, specifications are subject to change.*
5-14+ Axis CNC
110, 150, 195 Tons
8'-10' Bending Lengths
- Increase your competitive forces by 62% lower power consumption
- Lower cost per part by ecological technology
- Quiet, energy efficient and accurate
- Ram movement is powered by AC Servo motors driving hydraulic oil in line with variable speed pump.

New technology allows:
- Silent bending
  - Noise level reduced to 63 dbA from 76 dbA
- Energy saving
  - 62% at stand-by
  - 44% during the press cycle
  - 60% in 1 hour with 15 press cycles
- Supports your production cost efficiency and increases your competitive forces.
- Small hydraulic oil tank for clean environment and cost reduction
  - New technology reduces hydraulic tank from 60 gallons to 2 x 10 gallons
- Speed and accuracy and synchronization
  - Beam speeds to 472" per minute (higher with optional safety laser guarding)
  - 5.6 times better synchronization in high speed mode (Y1/Y2)
**JMT AD-SERVO PRESS BRAKE STANDARD EQUIPMENT**

JMT AD-SERVO Hybrid Series press brakes are manufactured with exceptionally large stroke/daylight combinations as well as high speed ram and back gauge positioning. The production of deep boxes and other parts requiring large clearances are produced with ease. The AD-SERVO Series is truly a machine for fast and accurate production of precision parts; simple, complex, large or small.

- **5 axis CNC:**
  - Y1, Y2 precision ram positioning (twin electro/hydraulic drive)*
  - X, R precision servo-driven back gauge
  - CNC motorized wave crowning
- **Large trio of value:**
  - Large open height
  - Large stroke
  - Large throat depth
- **Delem DA-66T touch screen CNC control unit with 3D graphical visualization** *(see optional controls below)*
- **American/European section-style box punch clamps**
- **Standard X-axis travel is 25.6” with third gauge step capable of gauging parts up to 39” with standard back gauge (most machines)**
- **Stable and fast AC servo motor-driven precision back gauge with linear guide and ball bearing system (X - R)**
- **Quick-set sliding front sheet support arms with full-length linear guide, tilting stop and T-slot (front gauging squaring, etc.)**
- **Protection covers (side and rear safety doors)**
- **Rear work light**
- **Specially-designed electro-hydraulic operation (Rexroth)**
- **World-class electronics system (common, off-the-shelf components)**
- **High-yield plate construction**
- **Ability to accurately fade ram**
- **Stage bending**
- **Automatic bend sequence determination**
- **Automatic stretch length calculator for blank size determination**

* Two direct-acting servo motors for ram positioning where each cylinder operates independently in a closed loop system. Linear encoders are mounted on a separate sub-frame on each side of the machine. These encoders combined with precision servo-hydraulic valves and the CNC command center, provide accuracy of ± one Micron (0.00004”) and the ability to program all ram positions, ram speeds and ram tilt. The decompression point is also programmable, which, along with programmable speeds is very useful when bending large sheets or high-yield material.

**JMT AD-SERVO PRESS BRAKE OPTIONAL EQUIPMENT**

- **Safety laser:** AKAS-LC manual or motorized
- **Light curtain:** SICK C 4000 for tandem/trio/quad machines
- **Robotics**
- **Adaptive bending sensors**
- **Multiple axes available:**
  - Z1, Z2 Axes
  - X1, X2 Axes
  - R1, R2 Axes
  - Delta X axis, +/- 5” stroke (10” total)
  - X Axis = 39.4” travel - Back protection with light barrier
  - AP3-AP4 Sheet follower with sliding guide - motorized height adjustment
- **Other CNC control units available:**
  - Delem DA-69T touch screen 2D/3D CNC control
  - Cybelec ModEva 10S/12S/15S 3D with PC 1200 3D SW
- **Clamping:**
  - Quick Release Clamping
  - JMT Hydraulic or Mechanical Clamping
  - Wila or Wilson Hydraulic or Mechanical Clamping
- **Various tool options (JMT, Euro-American, Wila or Wilson)**
- **Bottom tool positioning system**
- **Thickness measurement systems**
- **Offline software (V-Bend, Profile-W)**
- **Tooling packages**

Many options and customizations are available — please contact us for details.

Web: [JMTUSA.com](http://JMTUSA.com)
Email: [JMT@JMTUSA.com](mailto:JMT@JMTUSA.com)
Call Toll Free: [855-773-7727](tel:855-773-7727)
(855-PRESS-BRAKE)
# JMT AD-SERVO PRESS BRAKE TECHNICAL DIMENSIONS

## AD-SERVO Series

<table>
<thead>
<tr>
<th></th>
<th>25100</th>
<th>30100</th>
<th>30135</th>
<th>30175</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bending Length [A]</strong></td>
<td>8' 4&quot;</td>
<td>10'</td>
<td>10'</td>
<td>10'</td>
</tr>
<tr>
<td><strong>Bending Force</strong></td>
<td>110 Tons</td>
<td>110 Tons</td>
<td>150 Tons</td>
<td>192 Tons</td>
</tr>
<tr>
<td><strong>Distance between Frames [B]</strong></td>
<td>7' 2&quot;</td>
<td>8' 6&quot;</td>
<td>8' 6&quot;</td>
<td>8' 6&quot;</td>
</tr>
<tr>
<td><strong>Y-Axis Rapid Speed</strong></td>
<td>473 (Inches per Minute)</td>
<td>473</td>
<td>473</td>
<td>425</td>
</tr>
<tr>
<td><strong>Y-Axis Working Speed</strong></td>
<td>24 (Inches per Minute)</td>
<td>24</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td><strong>Y-Axis Return Speed</strong></td>
<td>473 (Inches per Minute)</td>
<td>473</td>
<td>425</td>
<td>378</td>
</tr>
<tr>
<td><strong>CNC Crowning</strong></td>
<td>Standard</td>
<td>Motorized</td>
<td>Motorized</td>
<td>Motorized</td>
</tr>
<tr>
<td><strong>Daylight [D]</strong></td>
<td>20¾&quot;</td>
<td>20¾&quot;</td>
<td>20¾&quot;</td>
<td>20¾&quot;</td>
</tr>
<tr>
<td><strong>Bed Cap Width [G]</strong></td>
<td>4&quot;</td>
<td>4&quot;</td>
<td>4&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td><strong>Bed Height [F]</strong></td>
<td>35½&quot;</td>
<td>35½&quot;</td>
<td>35½&quot;</td>
<td>35½&quot;</td>
</tr>
<tr>
<td><strong>Depth of Pit</strong></td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td><strong>Stroke [C]</strong></td>
<td>10½&quot;</td>
<td>10½&quot;</td>
<td>10½&quot;</td>
<td>10½&quot;</td>
</tr>
<tr>
<td><strong>Throat Depth [E]</strong></td>
<td>16&quot;</td>
<td>16&quot;</td>
<td>16&quot;</td>
<td>16&quot;</td>
</tr>
<tr>
<td><strong>Sliding Support Arms (Quantity)</strong></td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>Back Gauge Finger Blocks (Quantity)</strong></td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>Speed of Travel in X-Axis</strong> (Inches per Minute)</td>
<td>1200</td>
<td>1200</td>
<td>1200</td>
<td>1200</td>
</tr>
<tr>
<td><strong>Travel in X-Axis</strong></td>
<td>25½&quot;</td>
<td>25½&quot;</td>
<td>25½&quot;</td>
<td>25½&quot;</td>
</tr>
<tr>
<td><strong>Gaugable with 3rd Position</strong></td>
<td>39.6&quot;</td>
<td>39.6&quot;</td>
<td>39.6&quot;</td>
<td>39.6&quot;</td>
</tr>
<tr>
<td><strong>Speed of R-Axis (Maximum Inches per Minute)</strong></td>
<td>826</td>
<td>826</td>
<td>826</td>
<td>826</td>
</tr>
<tr>
<td><strong>Travel in R-Axis</strong></td>
<td>10&quot;</td>
<td>10&quot;</td>
<td>10&quot;</td>
<td>10&quot;</td>
</tr>
<tr>
<td><strong>Motor Power</strong></td>
<td>2 x 28 HP</td>
<td>2 x 28 HP</td>
<td>2 x 30 HP</td>
<td>2 x 40 HP</td>
</tr>
<tr>
<td><strong>Oil Tank Capacity</strong></td>
<td>21 Gallons</td>
<td>21 Gallons</td>
<td>21 Gallons</td>
<td>31 Gallons</td>
</tr>
<tr>
<td><strong>Overall Dimensions</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Length [L]</strong></td>
<td>12' 6&quot;</td>
<td>13' 10&quot;</td>
<td>13' 10&quot;</td>
<td>14'</td>
</tr>
<tr>
<td><strong>Width [W]</strong></td>
<td>5' 6&quot;</td>
<td>5' 6&quot;</td>
<td>5' 7&quot;</td>
<td>5' 7&quot;</td>
</tr>
<tr>
<td><strong>Height [H]</strong></td>
<td>9'</td>
<td>9'</td>
<td>9'</td>
<td>9'</td>
</tr>
<tr>
<td><strong>Weight (Approx.)</strong></td>
<td>19,625 Lbs.</td>
<td>20,945 Lbs.</td>
<td>23,150 Lbs.</td>
<td>25,355 Lbs.</td>
</tr>
</tbody>
</table>

The above are standard specifications.* Please contact us for other sizes and options.

*Due to ongoing product development, specifications are subject to change.
Advanced technologies for bending large sheet metal for extremely diversified uses in the different industries while avoiding long, expensive welding operations which even takes the risk of material stability.

FBS focuses also to minimize the large work pieces’ handling before, during and after the bending operations and respects the next process. This offers:

- Flexibility of bending varies for diversified uses
- Accuracy for large and high spring-back sheets
- Lowers setup times by automation of loading & unloading
- Increases your employees’ safety

On high tonnage mega press brakes “box construction” frame is used which is the most stabile machine body in the world utilized technology for press brakes. Stability and rigidity of box constructions is approved by our references all around the world and finite element analysis by our 50 in-staff engineers.

JMT can provide you with all the support Flexible Bending Solutions and offer to the turnkey automatic bending cells complete with facility for loading and unloading.
JMT FBS PRESS BRAKE CUSTOM MADE PROJECTS

JMT AD-S 812000 Tandem
Loading Unloading System • Front Feeding System with Pneumatic Pushers • Light Pole Industry – Unmanned Production

JMT AD-S 911000 Tandem
Loading Unloading System • Front Feeding System with Pneumatic Pushers • Light Pole Industry – Unmanned Production
JMT AD-S 60400 Tandem

Motorized Front Feeding System • Light Pole Industry

JMT AD-S 80800 & JMT AD-S 40400 in Tandem

Dump Truck Industry
JMT Robotized Press Brakes

3/4” Thick Special Steel Armox for Defense Industry
Light Pole Pull-Out Systems

- Side Pull-Out System
- Bottom Pull-Out System

Special Hydraulic Front Support System

Road Barriers Industry
Hydraulic Bottom Tool Separation System

Special Back Gauge X1/X2 with Pneumatic Pushers
JMT FBS Press Brake Bottom Tool Adjustable Systems

Bottom Tool Lamel Adjustable System

Bottom Tool Motorized Adjustable System

Bottom Tool CNC Adjustable System (Multi-V)

Bottom Tool Manual Adjustable System
On high tonnage mega press brakes “box construction” frame is used which is the most stable machine body in the world utilized technology for press brakes. Stability and rigidity of box constructions is approved by our references all around the world and finite element analysis on the computers.

Robust Box Construction

Hydraulic pistons are produced with precise CNC machining centers in one shot without reposition.

Piston Production
Frame Machining Tandem - Trio – Quad Press Brakes

CNC precise processing applied for all frames at one time without repositioning for tandem, trio and quad press brakes.

AD-S 801000 Bottom Beam Machining