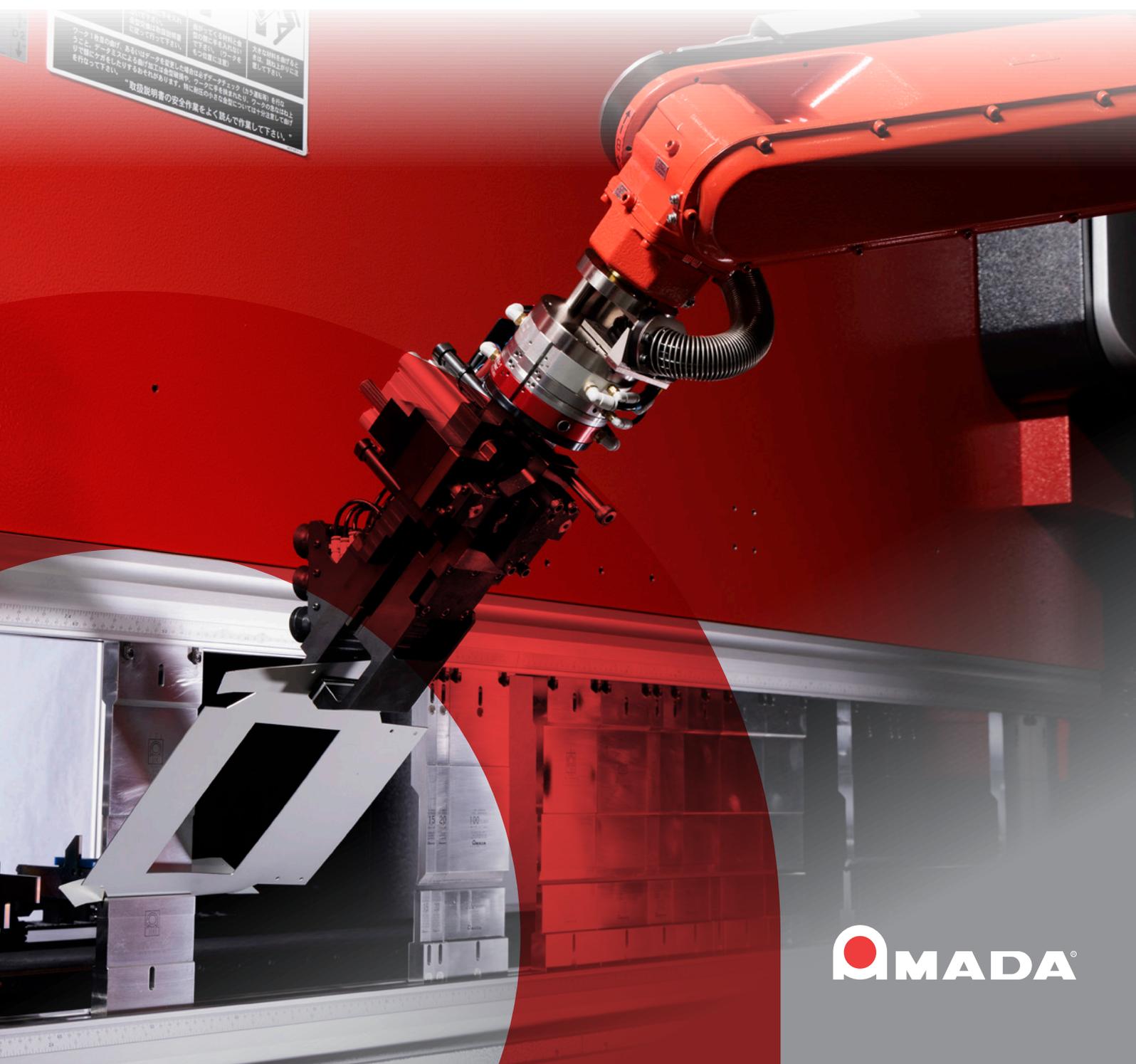




SOLUTION

BENDING PRODUCT GUIDE



AMADA GROUP

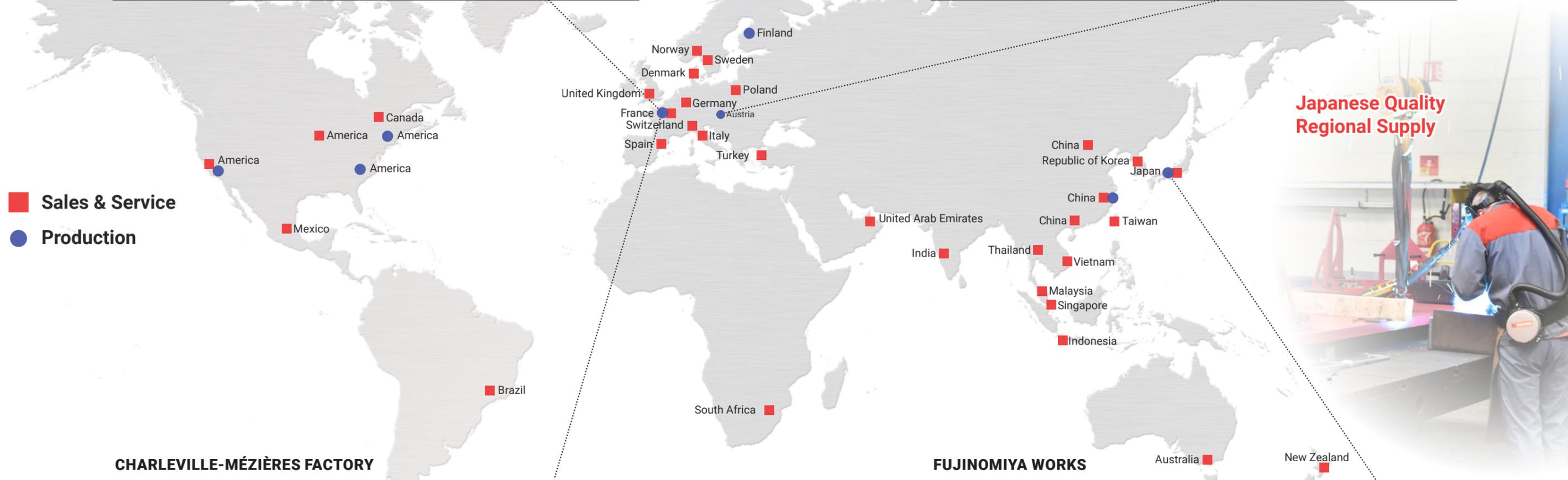
GLOBAL NETWORKS

(SHEET METAL FABRICATION MACHINES BUSINESS AND TOOLING)

CHATEAU-DU-LOIR FACTORY



TERNITZ BENDING TOOLS MANUFACTURING



**Japanese Quality
Regional Supply**



CHARLEVILLE-MÉZIÈRES FACTORY



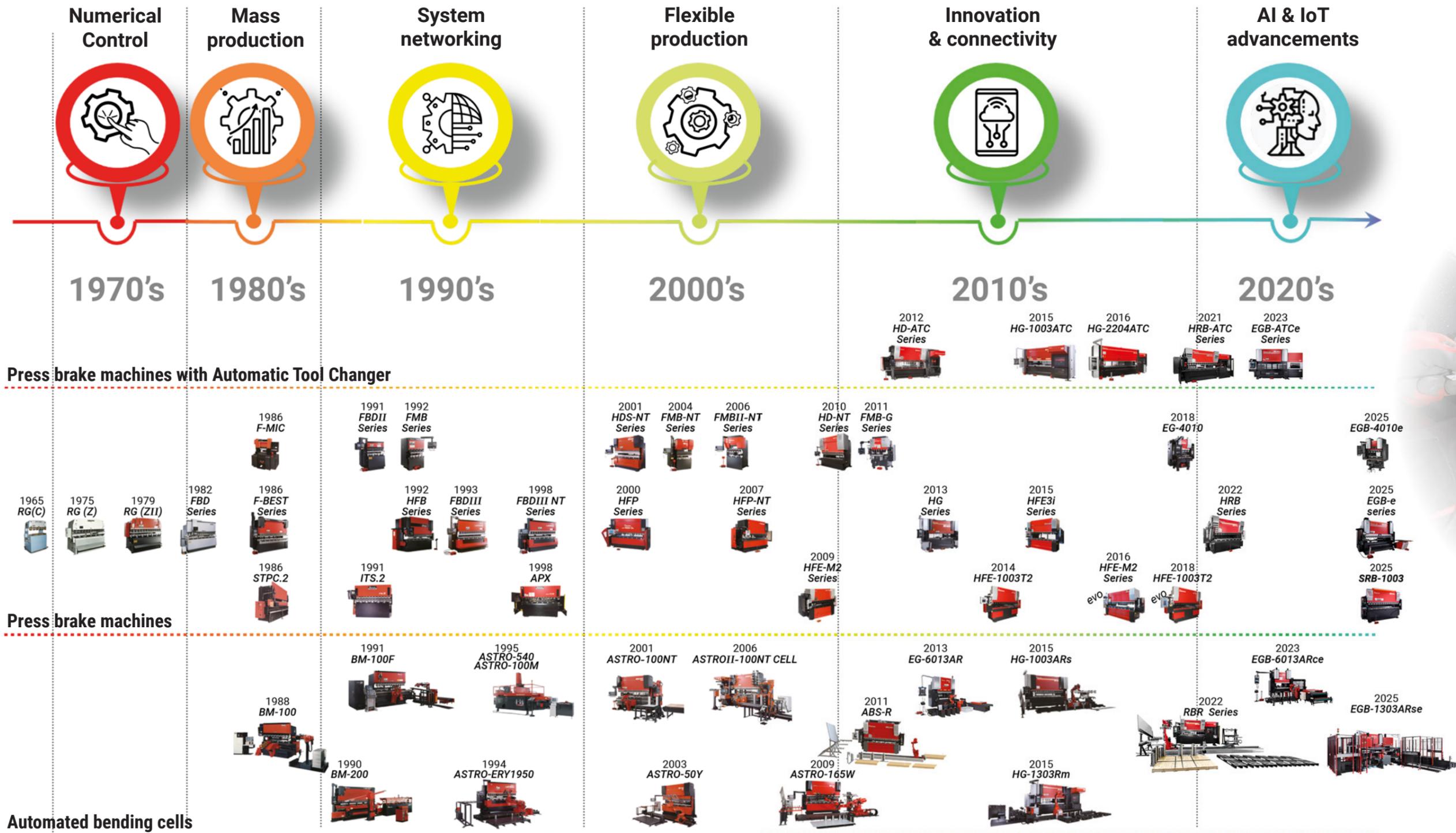
FUJINOMIYA WORKS



BENDING

SOLUTION

60 YEARS PROGRESS OF AMADA BENDING MACHINES





AMADA BENDING TECHNOLOGIES

AMADA'S PRESS BRAKE MACHINES

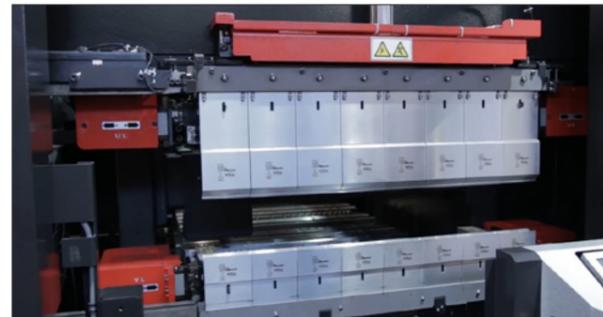
being responsive to customer needs



Bending technology innovation

HIGH BENDING QUALITY
60 YEARS OF EXPERIENCE

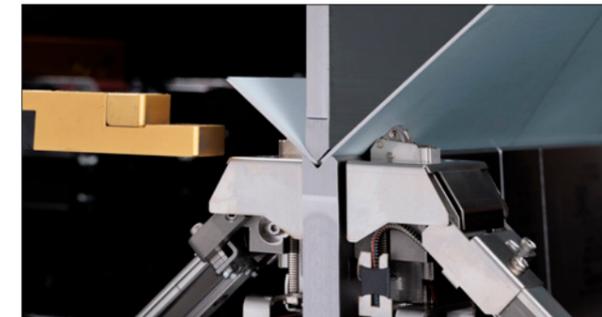
Excellent technical know-how allowing the manufacture of reliable and accurate machines.



Automatic Tool Changer

HIGH PRODUCTIVITY LEVEL
PRECISE & QUICK TOOL SET-UP

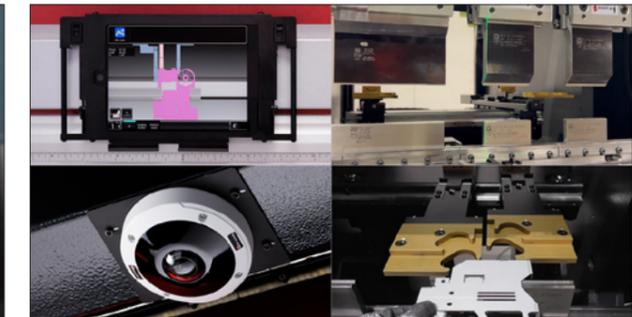
Locating and loading the appropriate tooling is quick and efficient.



Bending Indicator & Crowning

BENDING ANGLE CONSISTENCY
BENDING PRECISION

Automatic angle-adjustment & automatic compensation for any upper beam deflection.

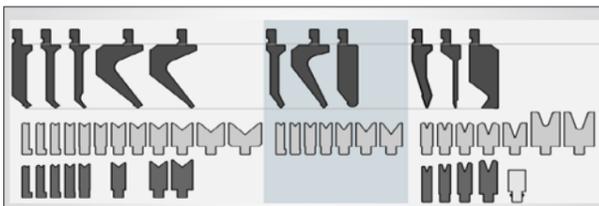


Smart functions

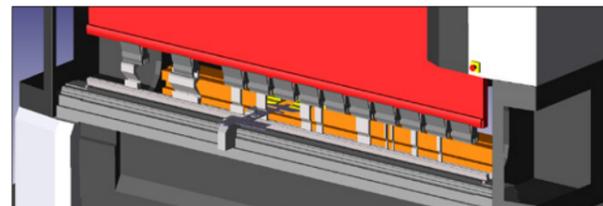
EASE OF USE
TABLET HMI & REAR CAMERA

Smart functions simplify the utilisation of the machine increasing the productivity and reducing errors.

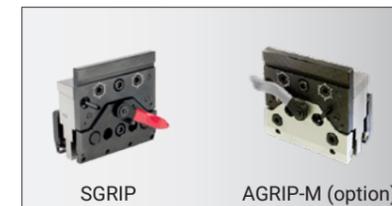
AMADA CLAMPS AND TOOLS, THE RIGHT SOLUTION FOR THE BENDING PROCESS



AMADA AFH and STAGED TOOL
AMADA Fixed Height and Staged Bending tools are the best solution to minimise set-up operations.



The VPSS 4ie suite automatically programs the bending machines and robotic benders, centralises all data and also allows direct program exchange between machines.



Manual grip
• Front installation/front removal
• Space between grips can be eliminated
• Manual rear plate (option)
• Automatic pull-up of punches (AGRIP-M)



Automatic grip for AMADA tool
• Front installation/front removal
• Automatic pull-up function
• Space between grips can be eliminated



Automatic hydraulic grip for WILA tool
• Front installation/front removal
• Easy setting of complicated tool layouts
• No external pipes on rear side



AMADA DIGITAL TECHNOLOGY, THE SMART BENDING PROCESS

AMADA'S PRESS BRAKE MACHINES
friendly user interface for easy operations

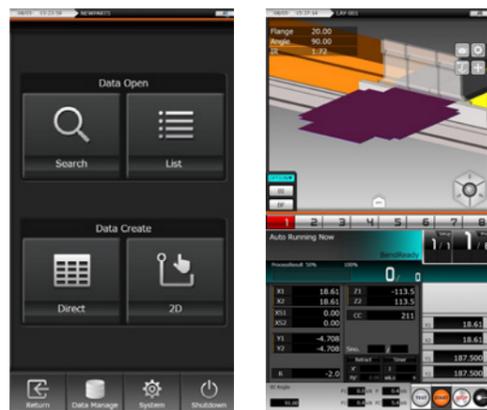


AMNC 4ie

The AMNC 4ie control is developed for less experience or new operators to be optimised for ease of use.

Multi-touch LCD panel with a user-friendly design provides intuitive smartphone-like operation.

The new 21.5" vertical display provides a large area to easily display all necessary information and 3D part as well.



LITE mode

FULL mode

THE UNIQUE NC WITH "ADAPTIVE HMI"

AMNC 4ie offers possibility to enable different HMI modes:

LITE mode: Focusing on bending operations basing on a simplified User Interface.

FULL mode: A complete management of bending flows to have total control of programs.

Customers can set the modality according to operator skill and the complexity of the bending process.

VIRTUAL PROTOTYPE SIMULATION SYSTEM

VPSS 4ie suite is the Intelligent, Interactive, Integrated and Innovative software environment that surrounds the new AMADA solutions.

This system considers the complete assembly and manufacturing process from beginning to end.

CAM INTEGRATION

AMNC 4ie is perfectly integrated with VPSS 4ie suite.

All bending programs created by offline CAM can be opened into the NC and easily managed to reduce set-up time and increase machine efficiency.

Moreover, both systems share the same user interface style to simplify operations on the screen.

The AMADA common database vSDD stores all parts and programmes, even those created by AMNC 4ie, and allows them to be shared between different AMADA press brakes.



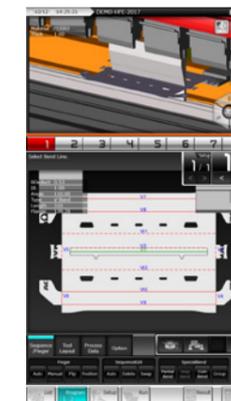
OPERATION'S WORKFLOW

Thanks to its design, AMNC 4ie allows programs to be built in a linear and sequential way, in order to facilitate operators during their daily work.

From the geometry to the bending sequence, from the machine set-up to the processing phase.



Program call



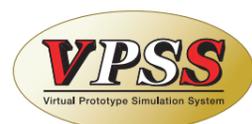
Bend sequence



Set-up



Processing



VPSS 4ie

PRESS BRAKES MACHINES

SOLUTION

AUTOMATIC TOOL CHANGER SOLUTIONS



ERGONOMIC PRESS BRAKES



HIGH TONNAGE PRESS BRAKE



GENERAL PURPOSE PRESS BRAKES





GENERAL PURPOSE PRESS BRAKES

AMADA HAS DEVELOPED A WIDE RANGE OF FUNCTIONS AND DEVICES

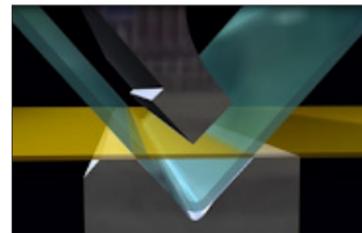
able to control and correct the bending angle enabling the highest accuracy and repeatability in any bending condition.

ANGLE SOLUTIONS



AMADA DIGIPRO

Highly-accurate, electronic angle measuring device



TDS AND FC

Thickness Detection System (TDS) and Force Control (FC)



BENDING INDICATOR

Automatic angle adjustment devices

GAUGING SOLUTIONS



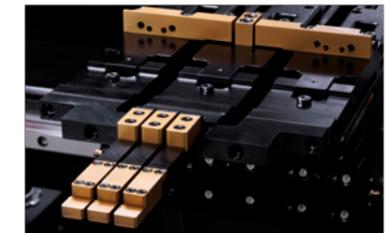
FINGER PIN

Stable gauging by flexible PIN position



CLAMP FINGER

Special finger shape for smart gauging of complex part shape



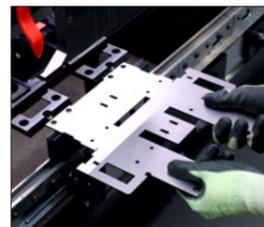
3-FINGER BACK GAUGE

Three independent fingers to always find the best position for gauging

FUNCTIONS FOR OPERATOR COMFORT AND SAFETY



AKAS & AS-01 safety device laser beam type



LED lights installed on each side of the upper beam to increase visibility of the work area



Front workpiece support



The sheet followers improve accuracy and safety. They assist the operator in handling large and heavy parts.





EGB ATC e SERIES

CHASE YOUR DREAMS, NOT YOUR TOOLING
The easiest yet productive press brake

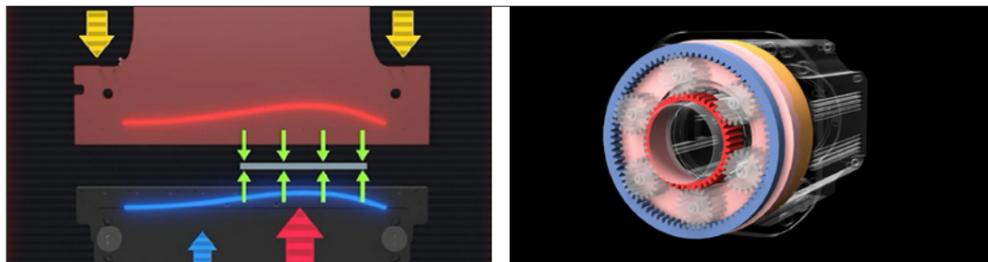


AUTOMATIC INTELLIGENT TOOLING SET-UP

AUTOMATIC TOOL CHANGER

EGB's Automatic Tool Changer features increased capacity and maximum Vee size. It can load even the most complex tool layout in less than three minutes, and it's operator-independent. The rapid tooling achieved by the ATC gives users the ability to seamlessly introduce rush jobs and drastically reduce setup time.

- The key benefits of the ATC are:
- Quick tool setups
 - Easy introduction of rush jobs
 - Operator-independent



ALL ELECTRIC

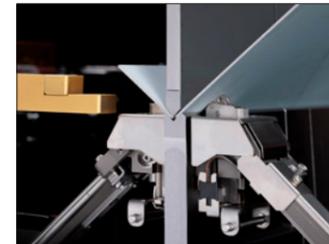
DYNAMIC SERVO CROWNING

EGB's new crowning system is fully electric, dynamic and asymmetrical. This new solution works in conjunction with the Bi-S II to automatically adjust the bending linearity at 3 points along the beam, with different corrections from left to right depending on the position of the tool station.

NEW SERVO DRIVE

The EGB-e Series is an all-electric press brake that uses unique technology to achieve high accuracy and repeatability, while reducing maintenance to a minimum.

Model	EGB-ATCe
Drive system	Servo
Size range	1303
Back gauge	10-axes (X1, X2, XS1, XS2, XS3, Z1, Z2, Z3, R1, R2)
Crowning system	Dynamic (SERVO)
Numerical control	AMNC 4ie with FULL and LITE mode
Ergonomic	Auto foot pedal, lighting kit, sheet support, sheet follower
Angle solution	TDS, Force control, Digipro, Bi-S II
ATC Tool Stocker (Dies)	18 (25)
ATC Tool Stocker (Punch)	15 (18)
Total layout length	3000



ANGLE SOLUTION

Bi-S II

Faster than ever, easy to use and highly accurate, the automatic solution for the right bending angle.



EASE OF USE

SMART OPERATION PACK

It includes new features to simplify the use of the machine while increasing safety and productivity.

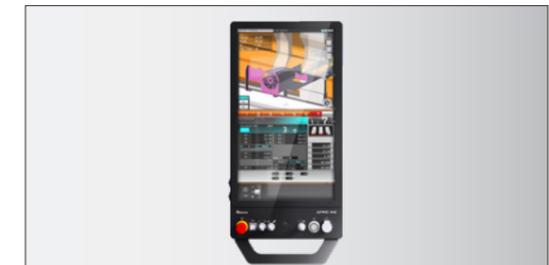


ERGONOMICS

SHEET FOLLOWERS

EGB-e series is designed to accept sheet followers. The arms support the workpiece during the bending operation, eliminating the deformation of thin sheets and reducing manual handling.

The sheet follower improves accuracy and safety, assists the operator and eliminates the need for a second operator.



SMART PROGRAMMING

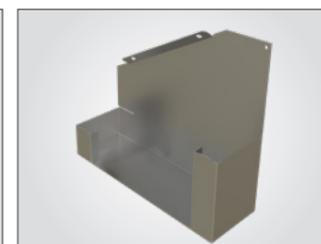
AMNC 4ie CONTROL

The AMNC 4ie control is optimised for ease of use by a Multi-touch LCD panel with a user-friendly design.

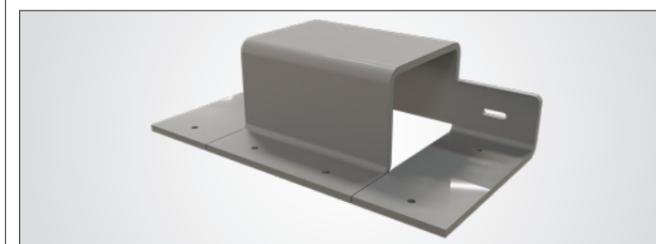
FULL and LITE mode, Voice commands, Facial recognition and operator's rights, the solution for every need.



Galvanised steel 1.2mm
Dimension: 235 x 265 x 365mm



Galvanised steel 1.2mm
Dimension: 365 x 265 x 120mm



Steel 8.0mm
Dimension: 400 x 115 x 215mm



SMART GAUGING

8-AXES BACK GAUGE

The new back solution has 3 independent fingers, each with 300mm stroke. The operator can benefit of the side-gauge function and flexible solutions for particular shapes or conic bends.

A stable, easy and fast gauging phase for less errors and higher productivity.



HG ATC SERIES

HIGH-END BENDING MACHINE WITH AUTOMATIC TOOL CHANGER
Fast, precise, automatic. The best solution for variable lot sizes and complex tool layouts.

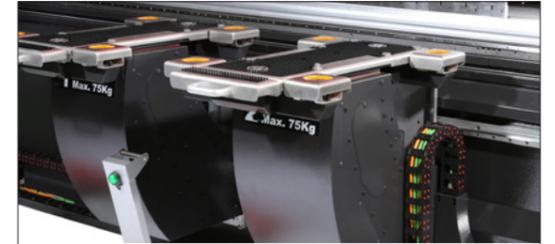


ANGLE SOLUTION

Bi-S

This automatic angle adjustment device ensures highly accurate bending even when material thickness and properties vary from part to part. This removes the need for test bending and adjustment of the initial bend angle, eliminating scrap and reducing set-up time.

GENERAL PURPOSE PRESS BRAKES



ERGONOMICS

SHEET FOLLOWERS

HG series is designed to accept sheet followers. The arms support the workpiece during the bending operation, eliminating the deformation of thin sheets and reducing manual handling.

The sheet follower improves accuracy and safety, assists the operator and eliminates the need for a second operator.



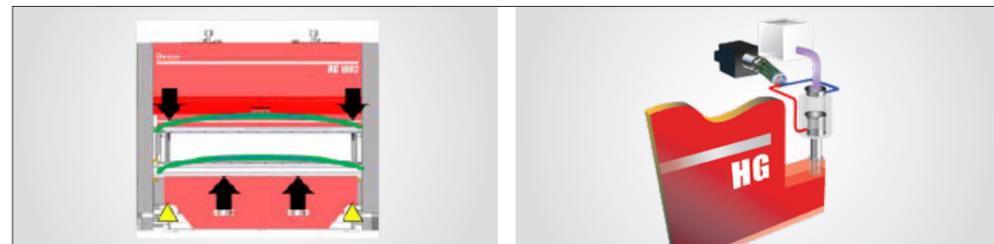
AUTOMATIC INTELLIGENT TOOLING SET-UP

AUTOMATIC TOOL CHANGER

The Automatic Tool Changer (ATC) can load even the most complex tool layout within three minutes and allows operators of varied experience levels to efficiently utilise this bending system. Quick tool setups achieved by the ATC give users the ability to introduce rush jobs seamlessly and drastically reduce the amount of setup time each day.

The key benefits of the ATC are:

- Quick tool setups
- Four independent tool manipulators
- Automatic tool locking by hydraulic clamps



ACCURACY, PRODUCTIVITY & SAVINGS

DYNAMIC CROWNING

The dynamic crowning based on hydraulic cylinders located in the lower beam of the machine automatically compensates for any upper beam deflection. Operators can program a complete workflow by staging multiple tool setups along the bed.

HYBRID DRIVE SYSTEM

The hybrid drive system ensures highly accurate bending, improved productivity and significant energy savings.



SMART PROGRAMMING

AMNC 3i CONTROL

The AMNC 3i control is optimised for ease of use by a Multi-touch LCD panel with a user-friendly design.

Thanks to FULL and LITE modes, it allows adapting the operativity to the operator's skill or production needs.

Model	HG-ATC
Drive system	Hybrid
Size range	2204
Back gauge	6-axes (X1, X2, R1, R2, Z1, Z2) – DELTA X (independent X)
Crowning system	Dynamic (hydraulic cylinder)
Numerical control	AMNC 3i with FULL and LITE mode
Ergonomic	Auto foot pedal, lighting kit, sheet support, sheet follower
Angle solution	TDS, Force control, Digipro, BI-S
ATC Tool Stocker (Dies)	25
ATC Tool Stocker (Punch)	18
Total layout length	15-4000



Stainless steel 1mm + Mild steel 3mm
Dimension: 232 x 200 x 65mm

Stainless steel 1mm + Mild steel 3mm
Dimension: 232 x 200 x 65mm



Stainless steel 1mm
Dimension: 110 x 64 x 84mm

Aluminium 3mm
Dimension: 493.9 x 456.3mm



SMART GAUGING

6-AXES BACK GAUGE

The 6-axes back gauge has a tool navigation system whereby the finger indicates the precise position to place the tools.

The DELTA X finger is a useful feature when bending asymmetrical workpieces. FAST, the back gauge with active security increases productivity and safety.



HRB ATC SERIES

BENDING MACHINE WITH ATC FOR AFH-ATC TOOLS
Press brake for variable lot sizes and automatic tool changer.



ANGLE SOLUTION

Bi-S

This automatic angle adjustment device ensures highly accurate bending even when material thickness and properties vary from part to part. This removes the need for test bending and adjustment of the initial bend angle, eliminating scrap and reducing set-up time.

GENERAL PURPOSE PRESS BRAKES



ERGONOMICS

SHEET FOLLOWERS

The HRB-ATC series is designed to accept sheet followers. The arms support the workpiece during the bending operation, eliminating the deformation of thin sheets and reducing manual handling.

The sheet follower improves accuracy and safety, assists the operator and eliminates the need for a second operator.



AUTOMATIC INTELLIGENT TOOLING SET-UP FOR AFH-ATC TOOLS

AUTOMATIC TOOL CHANGER

The Automatic tool changer allows non-skilled setup and is capable to store many different tool types to cover a wide range of bending requirements.

The key benefits of the ATC are:

- Quick tool setups
- Four independent tool manipulators
- Automatic tool locking by hydraulic clamps

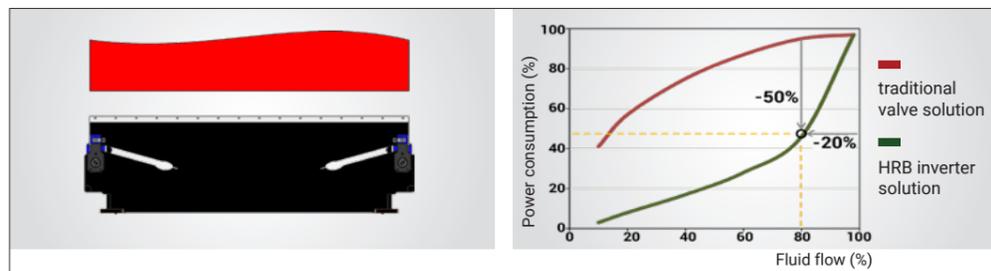


SMART PROGRAMMING

AMNC 3i CONTROL

The AMNC 3i control is optimised for ease of use by a Multi-touch LCD panel with a user-friendly design.

Thanks to FULL and LITE modes, it allows adapting the operativity to the operator's skill or production needs.



ACCURACY, PRODUCTIVITY & SAVINGS

AUTO-CROWNING SYSTEM

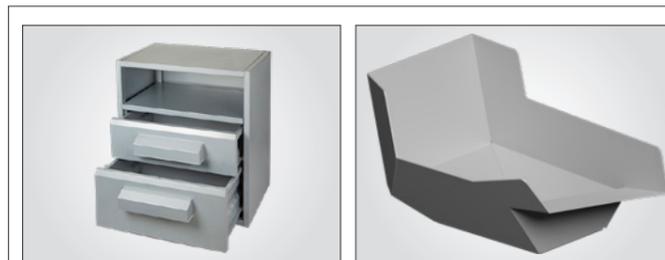
The HRB series is available with natural and auto-crowning solutions, depending on production needs.

The natural crowning fits most cases while the retrofitable auto-crowning device is the best choice to produce high-quality batches with long bends.

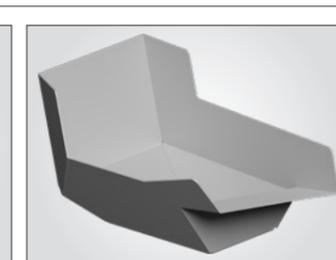
ECO-DRIVE SYSTEM

The Eco-drive system continually monitors and self-adjusts bending requirements – providing benefits such as less energy usage, reduced maintenance, less oil consumption, lower noise levels and increased reliability.

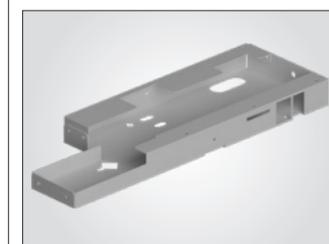
Model	HRB-ATC	
Drive system	Hydraulic with Inverter	
Size range	1003	2204
Back gauge	6-axes (X1, X2, R1, R2, Z1, Z2) – DELTA X (independent X) – FAST	
Crowning system	Auto (servo motors)	
Numerical control	AMNC 3i with FULL and LITE mode	
Ergonomic	Auto foot pedal, lighting kit, sheet support, sheet follower	
Angle solution	Digipro, BI-S	
ATC Tool Stocker (Dies)	18	25
ATC Tool Stocker (Punch)	15	18
Total layout length	15-3000	15-4000



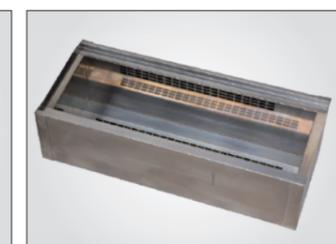
Galvanised steel 1.5mm
Dimension: 625 x 700 x 450mm



Stainless steel 1mm
Dimension: 335 x 265mm



Galvanised steel 1.2mm
Dimension: 490 x 290mm



Stainless steel 0.8mm
Dimension: 550 x 200 x 300mm



SMART GAUGING

6-AXES BACK GAUGE

The 6-axes back gauge has a tool navigation system whereby the finger indicates the precise position to place the tools.

The DELTA X finger is a useful feature when bending asymmetrical workpieces.

FAST, the back gauge with active security increases productivity and safety.



EGB SERIES

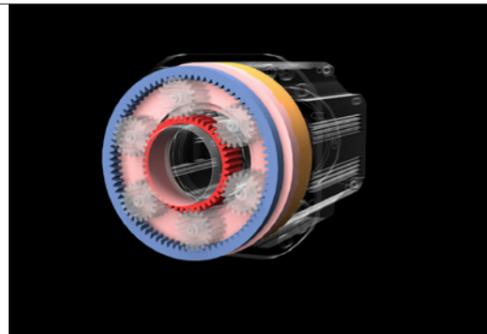
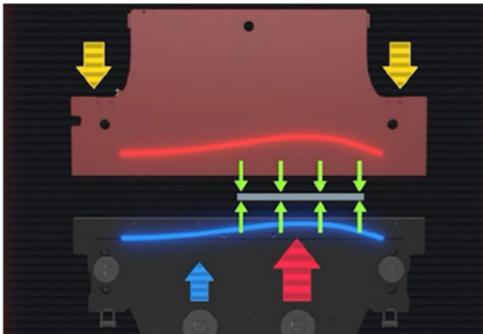
ELECTRIFYING PERFORMANCE
New servo press brake with servo crowning



SMART GAUGING 6 OR 8-AXES BACK GAUGE

The 6-axes back gauge has a tool navigation system whereby the finger indicates the precise position to place the tools.

The 8-axes solution features 3 independent fingers, for the maximum gauging freedom, including the side gauge function.



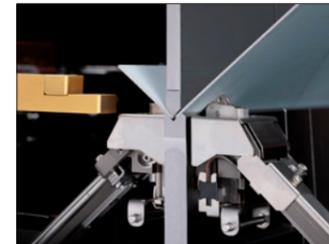
ALL ELECTRIC DYNAMIC SERVO CROWNING

EGB's new crowning system is fully electric, dynamic and asymmetrical. This new solution works in conjunction with the Bi-S II to automatically adjust the bending linearity at 3 points along the beam, with different corrections from left to right depending on the position of the tool station.

NEW SERVO DRIVE

The EGB-e Series is an all-electric press brake that uses unique technology to achieve high accuracy and repeatability, while reducing maintenance to a minimum.

Model	EGB-e
Drive system	Servo
Size range	6020 - 8025 - 1303
Back gauge	6-axes (X1, X2, R1, R2, Z1, Z2) - DELTA X (independant X) - 10-axes (X1, X2, XS1, XS2, XS3, R1, R2, Z1, Z2, Z3)
Crowning system	Dynamic and Asymmetric (servo)
Numerical control	AMNC 4ie with FULL and LITE mode
Ergonomic	Auto foot pedal, lighting kit, sheet support, sheet follower
Angle solution	TDS, Force control, Digipro, Bi-S II



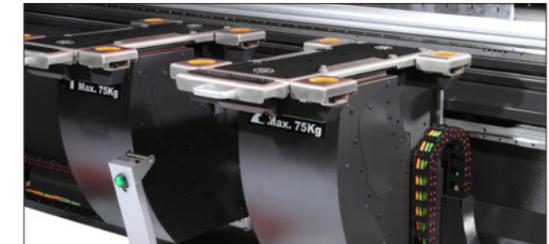
ANGLE SOLUTION Bi-S II

Faster than ever, easy to use and highly accurate, the automatic solution for the right bending angle.



EASE OF USE SMART OPERATION PACK

It includes new features to simplify the use of the machine while increasing safety and productivity.



ERGONOMICS SHEET FOLLOWERS

EGB-e series is designed to accept sheet followers. The arms support the workpiece during the bending operation, eliminating the deformation of thin sheets and reducing manual handling.

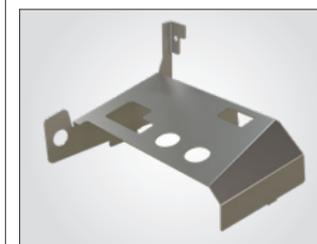
The sheet follower improves accuracy and safety, assists the operator and eliminates the need for a second operator.



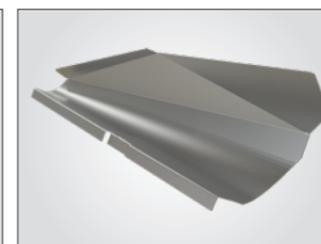
SMART PROGRAMMING AMNC 4ie CONTROL

The AMNC 4ie control is optimised for ease of use by a Multi-touch LCD panel with a user-friendly design.

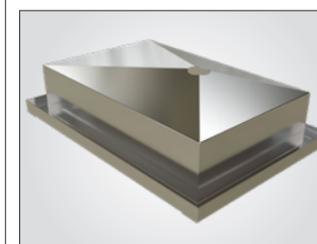
FULL and LITE mode, Voice commands, Facial recognition and operator's rights, the solution for every need.



Galvanized steel - 1.2mm
Dimension: 185 x 105 x 145mm



Stainless steel - 1.0mm
Dimension: 500 x 130 x 175mm



Stainless steel - 1.0mm
Dimension: 465 x 135 x 315mm



Stainless steel 1.5mm
Dimension: 2000 x 80 x 55mm



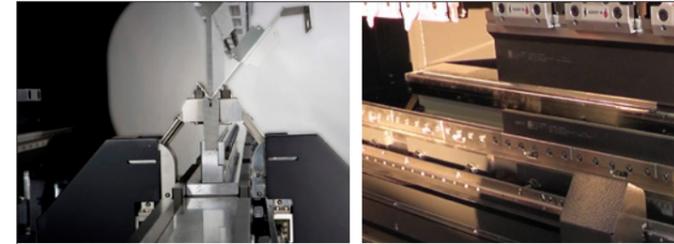
ERGONOMICS AUTOMATIC FOOT PEDAL

The automatic foot pedal moves according to the operators position to avoid manual repositioning, improve ergonomics and saves time.



HG SERIES

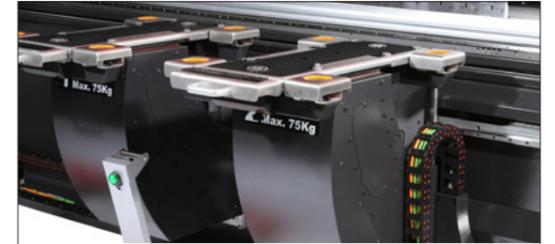
HIGH-END BENDING SOLUTION
Fast, precise, eco and ergonomic.



ANGLE SOLUTION Bi-S & Bi-L

These automatic angle adjustment devices ensure highly accurate bending even when material thickness and properties vary from part to part. This removes the need for test bending and adjustment of the initial bend angle, eliminating scrap and reducing set-up time.

GENERAL PURPOSE PRESS BRAKES



ERGONOMICS SHEET FOLLOWERS

HG series is designed to accept sheet followers. The arms support the workpiece during the bending operation, eliminating the deformation of thin sheets and reducing manual handling.

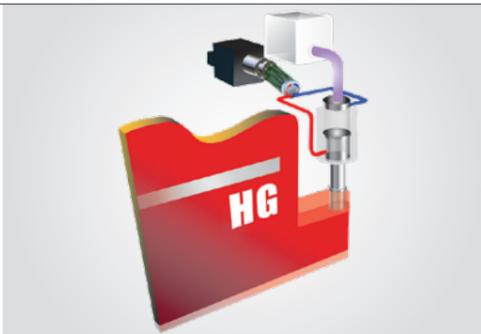
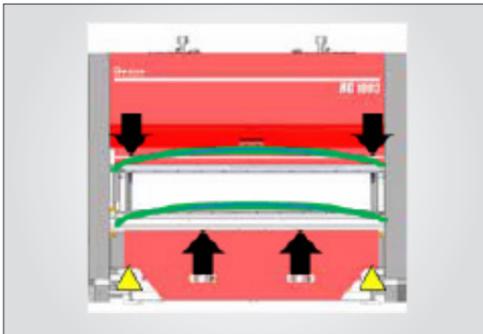
The sheet follower improves accuracy and safety, assists the operator and eliminates the need for a second operator.



SMART GAUGING 6-AXES BACK GAUGE

The 6-axes back gauge has a tool navigation system whereby the finger indicates the precise position to place the tools.

The DELTA X finger is a useful feature when bending asymmetrical workpieces.
FAST, the back gauge with active security increases productivity and safety.



ACCURACY, PRODUCTIVITY & SAVINGS

DYNAMIC CROWNING

The dynamic crowning based on hydraulic cylinders located in the lower beam of the machine automatically compensates for any upper beam deflection. Operators can program a complete workflow by staging multiple tool setups along the bed.

HYBRID DRIVE SYSTEM

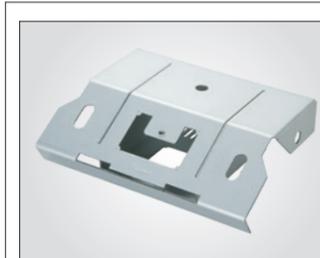
The hybrid drive system ensures highly accurate bending, improved productivity and significant energy savings.



SMART PROGRAMMING AMNC 3i CONTROL

The AMNC 3i control is optimised for ease of use by a Multi-touch LCD panel with a user-friendly design.

Thanks to FULL and LITE modes, it allows adapting the operativity to the operator's skill or production needs.



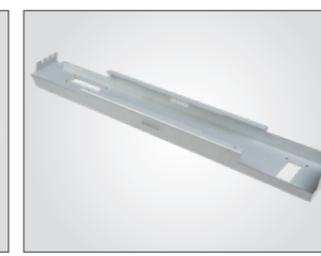
Galvanised steel - 1.6mm
Dimension: 414.2 x 194.6mm



Galvanised steel - 1.6mm
Dimension: 531.9 x 180.8mm



Stainless steel - 1.2mm
Dimension: 334.4 x 288.8mm



Galvanised steel 1.2mm
Dimension: 1853 x 257.8mm



ERGONOMICS AUTOMATIC FOOT PEDAL

The automatic foot pedal moves according to the operators position to avoid manual repositioning, improve ergonomics and saves time.

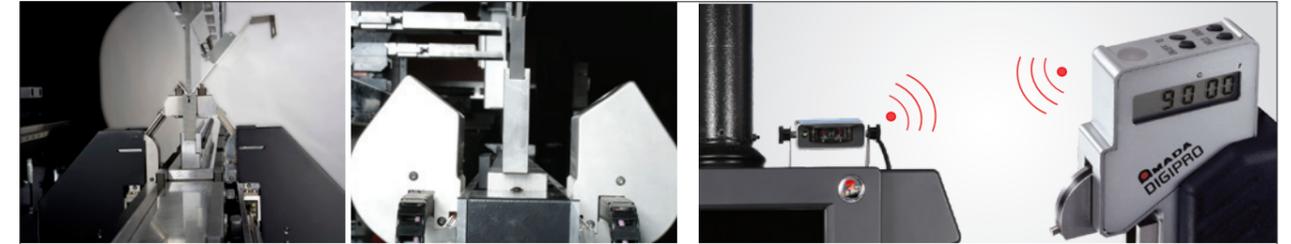
Model	HG
Drive system	Hybrid
Size range	1703 - 2203 - 2204
Back gauge	6-axes (X1, X2, R1, R2, Z1, Z2) – DELTA X (independant X) – FAST
Crowning system	Dynamic (hydraulic cylinder)
Numerical control	AMNC 3i with FULL and LITE mode
Ergonomic	Auto foot pedal, lighting kit, sheet support, sheet follower
Angle solution	TDS, Force control, Digipro, Bi-S, Bi-L



HRB SERIES

SIMPLY ACCURATE

The ideal solution for flexible and accurate production.



ANGLE SOLUTION

Bi-S & Bi-M

These automatic angle adjustment devices ensure highly accurate bending even when material thickness and properties vary from part to part. This removes the need for test bending and adjustment of the initial bend angle, eliminating scrap and reducing set-up time.

DIGIPRO

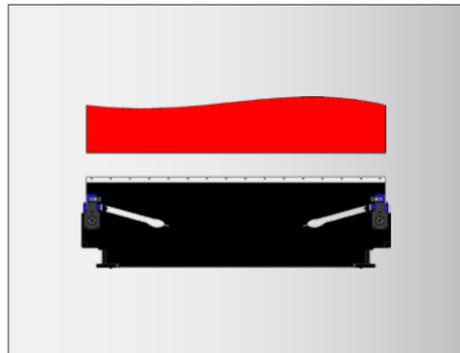
The AMADA Digipro is a highly-accurate, electronic angle-measuring device that transmits the measured angle wirelessly to the press brake's NC.



SMART GAUGING 6-AXES BACK GAUGE

The 6-axes back gauge has a tool navigation system whereby the finger indicates the precise position to place the tools.

The DELTA X finger is a useful feature when bending asymmetrical workpieces.
FAST, the back gauge with active security increases productivity and safety.



ACCURACY AUTO-CROWNING SYSTEM

The HRB series is available with natural and auto-crowning solutions, depending on production needs.

The natural crowning fits most cases while the retrofitable auto-crowning device is the best choice to produce high-quality batches with long bends.



ERGONOMICS SHEET FOLLOWERS

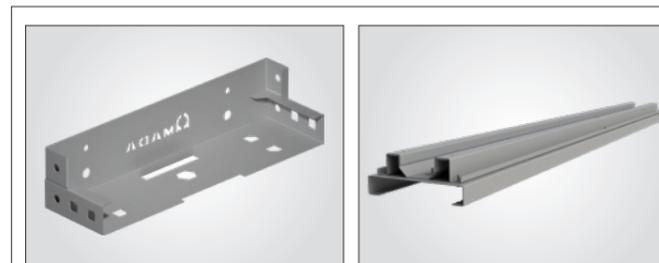
The HRB series is designed to accept sheet followers. The arms support the workpiece during the bending operation, eliminating the deformation of thin sheets and reducing manual handling.

The sheet follower improves accuracy and safety, assists the operator and eliminates the need for a second operator.



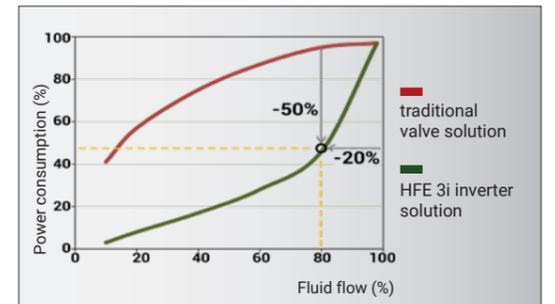
EASY PROGRAMMING AMNC 3i CONTROL

The AMNC 3i control is optimised for ease of use. Multi-touch LCD panel with a user-friendly design provides intuitive smartphone-like operation. The 18.5-inch vertical display means you can view all the necessary programs and bend information on one screen.



Stainless steel 2mm
Dimension: 550 x 152 x 120mm

Stainless steel 1.5 & 2mm
Dimension: 1500 x 172 x 65mm



SAVINGS

ECO-DRIVE SYSTEM

The Eco-drive system continually monitors and self-adjusts bending requirements – providing benefits such as less energy usage, reduced maintenance, less oil consumption, lower noise levels and increased reliability.

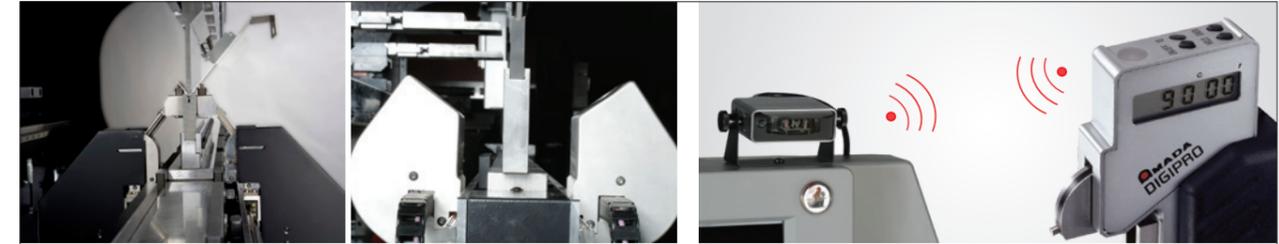
Model	HRB
Drive system	Hydraulic with Inverter
Size range	5020 – 1003 – 1303 – 1703 – 2204
Back gauge	6-axes (X1, X2, R1, R2, Z1, Z2) – DELTA X (independent X) – FAST
Crowning system	Auto (servo motors)
Numerical control	AMNC 3i with FULL and LITE mode
Ergonomic	Lighting kit, auto-slide foot pedal, sheet support, sheet follower
Angle solution	Digipro, Bi-S, Bi-M



HFE 3i SERIES

ADVANCED BENDING SOLUTION

Connected, smart and user-friendly.
The solution to cover all the bending needs.



ANGLE SOLUTION

Bi-S & Bi-M

These automatic angle adjustment devices ensure highly accurate bending even when material thickness and properties vary from part to part. This removes the need for test bending and adjustment of the initial bend angle, eliminating scrap and reducing set-up time.

DIGIPRO

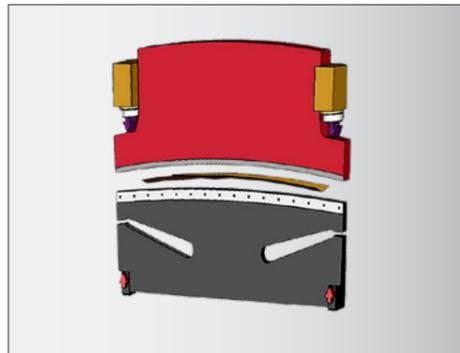
The AMADA Digipro is a highly-accurate, electronic angle-measuring device that transmits the measured angle wirelessly to the press brake's NC.



SMART GAUGING 6-AXES BACK GAUGE

The 6-axes back gauge has a tool navigation system whereby the finger indicates the precise position to place the tools.

The DELTA X finger is a useful feature when bending asymmetrical workpieces.
FAST, the back gauge with active security increases productivity and safety.



ACCURACY REACTIVE CROWNING SYSTEM

The HFE3i press brakes are equipped with AMADA's patented lower beam as standard, giving Parallel Deflection under all bending loads. This concept ensures consistent punch penetration into the die, over the full bending length, under all loads and conditions.



ERGONOMICS SHEET FOLLOWERS

The HFE3i series is designed to accept sheet followers. The arms support the workpiece during the bending operation, eliminating the deformation of thin sheets and reducing manual handling.

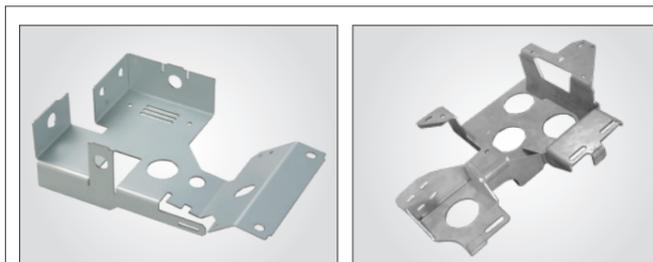
The sheet follower improves accuracy and safety, assists the operator and eliminates the need for a second operator.



EASY PROGRAMMING

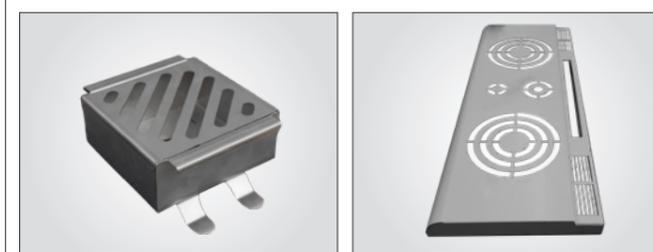
AMNC 3i CONTROL

The AMNC 3i control is optimised for ease of use. Multi-touch LCD panel with a user-friendly design provides intuitive smartphone-like operation. The 18.5-inch vertical display means you can view all the necessary programs and bend information on one screen.



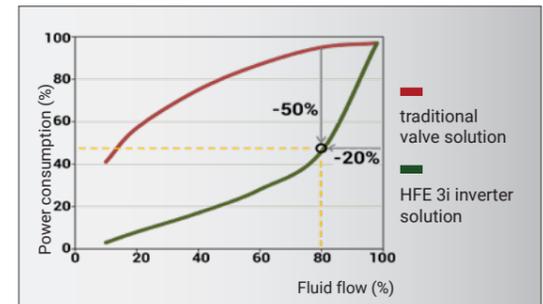
Mild steel 1mm
Dimensions: 189 x 99 x 50mm

Mild steel 3mm
Dimension: 674 x 327mm



Stainless steel 1mm
Dimension: 125 x 120 x 75mm

Stainless steel 1mm
Dimension: 684.2 x 306.3mm



SAVINGS

ECO-DRIVE SYSTEM

The Eco-drive system continually monitors and self-adjusts bending requirements – providing benefits such as less energy usage, reduced maintenance, less oil consumption, lower noise levels and increased reliability.

Model	HFE3i
Drive system	Hydraulic with Inverter
Size range	8025 – 1303 – 1703 – 1704 – 17045 – 2203 – 2204 – 22045
Back gauge	6-axes (X1, X2, R1, R2, Z1, Z2) – DELTA X (independant X) – FAST
Crowning system	Mechanical (reactive)
Numerical control	AMNC 3i
Ergonomic	Lighting kit, sheet support, sheet follower
Angle solution	Digipro, Bi-S, Bi-M



SRB 1003

THE NEW STANDARD PRESS BRAKE

Streamline the production of simple medium-batch parts.



INCREASED PRODUCTIVITY NEW HYDRAULIC DRIVES

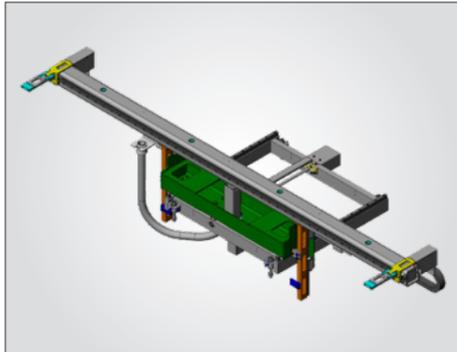
The SRB is equipped with newly designed hydraulic drives that ensure high-speed, high-precision production while maintaining a quiet operation for a superior working environment.

GENERAL PURPOSE PRESS BRAKES



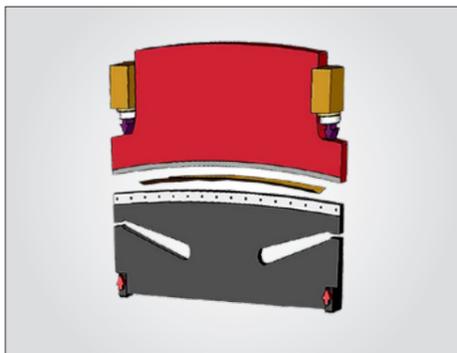
ANGLE SOLUTION DIGIPRO

The AMADA Digipro is a highly-accurate, electronic angle-measuring device that transmits the measured angle wirelessly to the press brake's NC.



GAUGING SOLUTION 4-AXES BACK GAUGE

The machine incorporates a newly engineered, high-precision backgauge system, featuring X, Z and R axes specifically optimised for the accurate and repeatable production of both standard components and rib shapes.



ACCURACY REACTIVE CROWNING SYSTEM

The SRB-1003 features AMADA's latest patented lower beam as standard, achieving constant Parallel Deflection. This innovative design ensures uniform punch penetration into the V-die across the entire bending length, maintaining absolute precision under all load conditions.

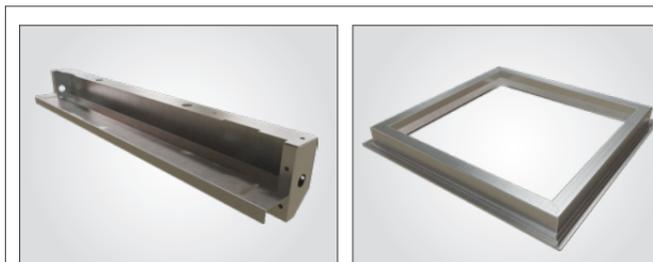


SMART PROGRAMMING AMNC 3i CONTROL

The AMNC3i control is optimised for ease of use by a new 19" Multi-touch LCD panel with a user-friendly design.

Thanks to FULL and LITE modes, it allows adapting the operativity to the operator's skill or production needs.

Model	SRB
Drive system	Hydraulic
Size range	1003
Back gauge	4-axes (X, Z, R)
Crowning system	Mechanical (reactive)
Numerical control	AMNC 3i
Ergonomic	Lighting kit front and rear
Angle solution	Digipro



Mild steel - 1.5mm
Dimension: 1180 x 170x 165mm

Mild steel - 1.5mm
Dimension: 800 x 800 x 73.5mm



Stainless Steel - 1.5mm
Dimension: 1100 x 780 x 550mm

Fingers	Finger accessories
Standard	90mm stopper
Step stopper	300mm stopper

SMART GAUGING INTERCHANGEABLE FINGERS

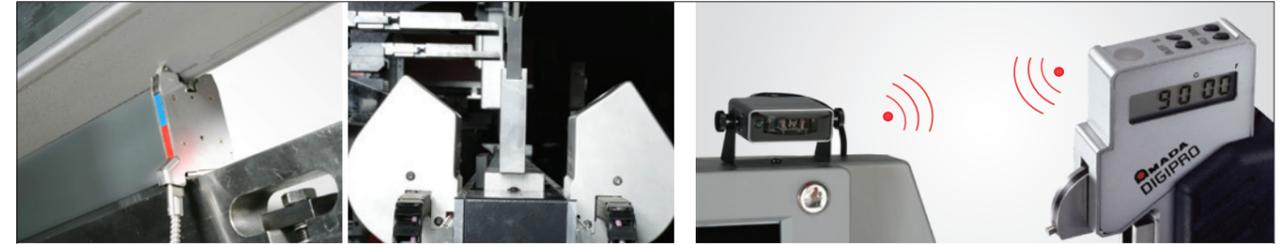
The SRB backgauge features interchangeable fingertips to ensure optimal contact across a diverse range of part geometries. Beyond standard tips and side-gauges, the system supports extended lengths of 90 mm and 300 mm for enhanced workpiece stability.



HFE M2 SERIES

THE PRESS BRAKE REFERENCE

Flexible, easy to use, economical and respectful of the environment.



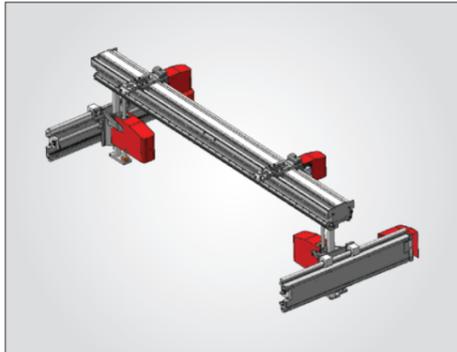
ANGLE SOLUTION

Bi-J & Bi-M

These automatic angle adjustment devices ensure highly accurate bending even when material thickness and properties vary from part to part. This removes the need for test bending and adjustment of the initial bend angle, eliminating scrap and reducing set-up time.

DIGIPRO

The AMADA Digipro is a highly-accurate, electronic angle-measuring device that transmits the measured angle wirelessly to the press brake's NC.

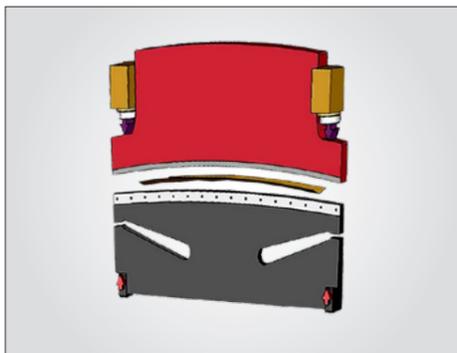


GAUGING SOLUTION

2-AXES BACK GAUGE

A reliable and accurate back gauge solution with X and R axes to produce simple parts or rib shapes.

The DELTA X finger is a useful feature when bending asymmetrical workpieces.



ACCURACY

REACTIVE CROWNING SYSTEM

The HFE-M2 press brakes are equipped with AMADA's patented lower beam as standard, giving Parallel Deflection under all bending loads. This concept ensures consistent punch penetration into the V die, over the full bending length, under all loads and conditions.

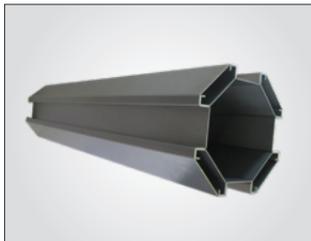


SIMPLE PROGRAMMING

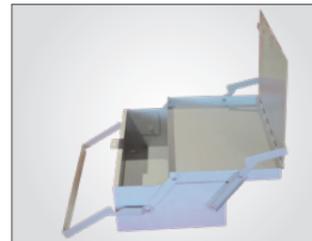
AB PAD EVOLUTION

The AMADA Bending Pad NC introduces a new, intuitive man/machine interface based on a touch-screen. The care taken in developing the ergonomics and our technical know-how has combined to produce a simple, friendly and efficient interface.

Model	HFE-M2
Drive system	Hydraulic with Inverter
Size range	5020 - 1703 - 2204
Back gauge	2-axes (X,R) - DELTA X (independent X) - FAST
Crowning system	Mechanical (reactive)
Numerical control	AB Pad
Ergonomic	Lighting kit, sheet support, sheet follower
Angle solution	Digipro, Bi-J, Bi-M



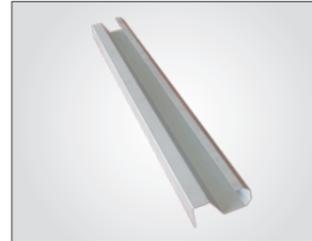
Mild steel - 0.8mm
Length: 1500mm



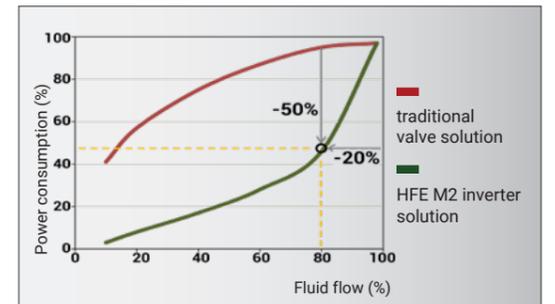
Zinc coated - 1mm
Dimension: 330 x 285 x 95mm



Mild steel - 4mm
Length: 150mm



Zinc coated - 1.2mm
Length: 2500mm



SAVINGS

ECO-DRIVE SYSTEM

The Eco-drive system continually monitors and self-adjusts bending requirements – providing benefits such as less energy usage, reduced maintenance, less oil consumption, lower noise levels and increased reliability.



AMADA ERGONOMIC MACHINES ADVANTAGES

AMADA'S ERGONOMIC MACHINE

Offer the operator all the comfort, space and tools to be highly productive throughout the day.



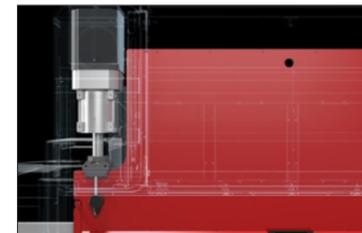
SMALL FOOT PRINT
Compact structure allow space savings.



COMFORTABLE OPERATION
A productive working space equipped with all comfort, LED lighting, front table, chair and side shelves.



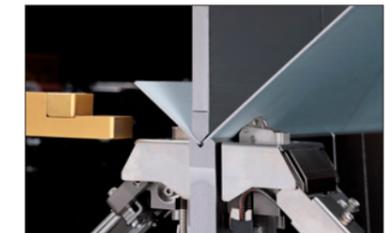
SMART OPERATION PACK
Made to enhance the productivity and user-friendliness.



NEW SERVO DRIVE
A fully electric solution with high repeatability and reduced maintenance costs.



BACK GAUGE
A flexible, fast and accurate gauging solution specifically designed for ergonomic machine.



PRECISION
High accuracy with features such as FForce Control (FC), Thickness Detection System (TDS) and the new bending indicator Bi-S II.

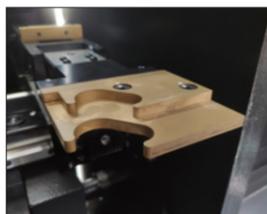
SMART PROCESSING OF SMALL COMPONENTS



AS-01 safety device laser beam type



Finger pin: stable gauging by flexible PIN position



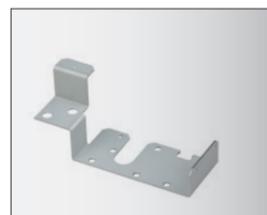
Clamp finger: smart gauging of complex part shape



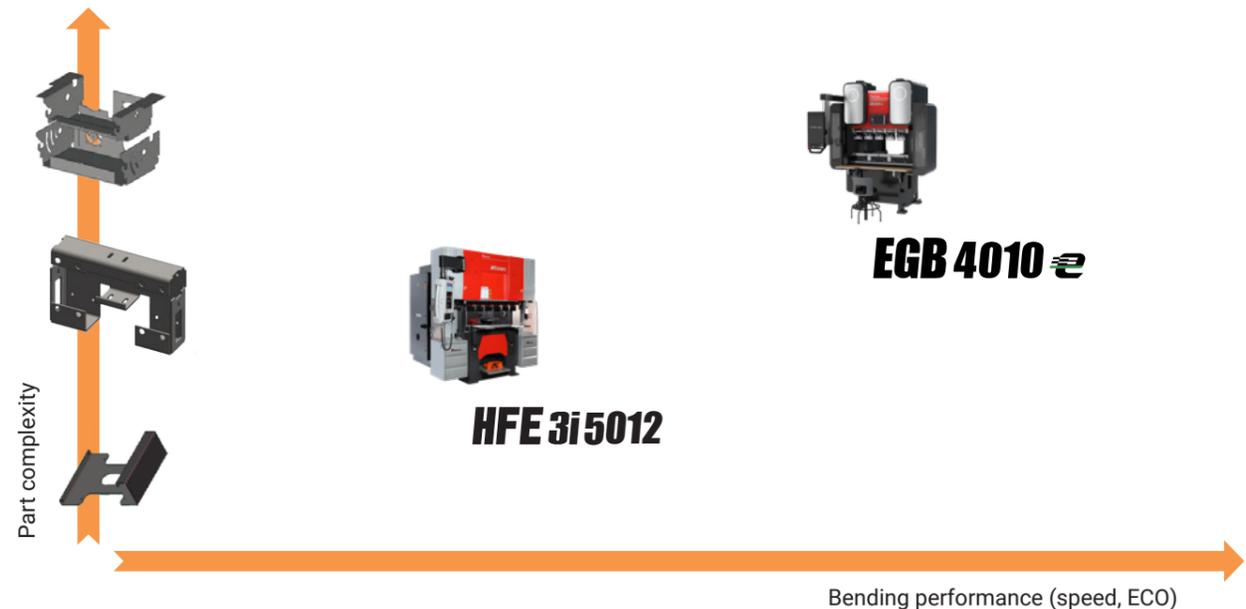
Digipro uses wireless technology to transmit the measured angle to the NC



Delta X finger useful when bending asymmetrical workpieces



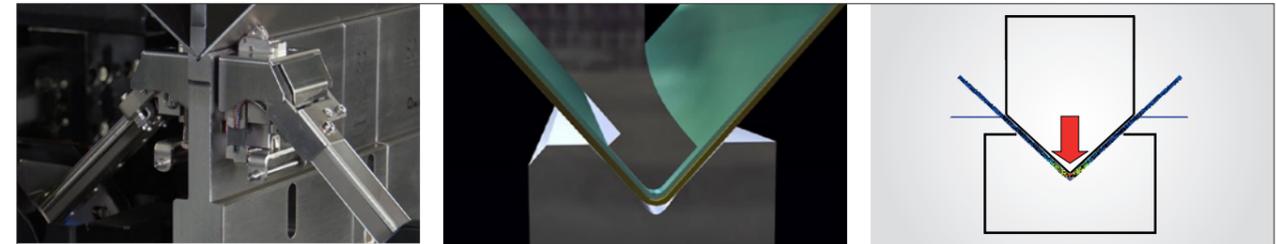
Smart processing of small components





EGB 4010 *e*

ALL THE ESSENTIALS
Fast - Ergonomic - Precise



ANGLE SOLUTION

Bi-S II

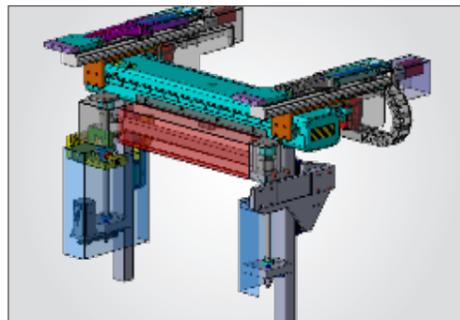
Faster than ever, easy to use and highly accurate, the automatic solution for the right bending angle.

THICKNESS DETECTION SYSTEM (TDS)

TDS detects variations in material thickness and automatically adjusts the bend position to provide accurate and stable bending results.

FORCE CONTROL (FC)

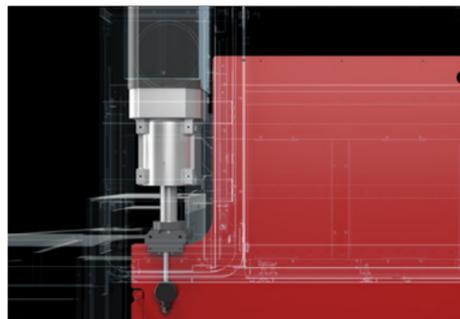
An advanced and alternative solution to coining, where the accuracy of the bending angle is achieved by targetting the force instead of position.



SMART GAUGING 5-AXES BACK GAUGE

Handling of small parts is often very quick. The EGB-4010e 5-axes back gauge system, offers an extremely fast and accurate positioning, avoiding wasting time during processing.

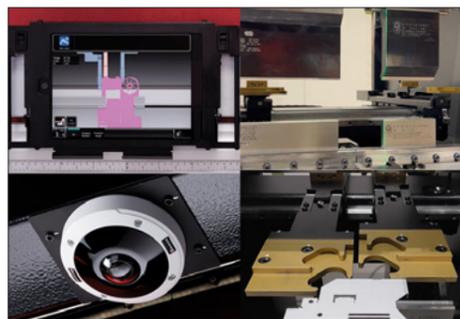
Delta X back gauge together with the Clamp finger offers a flexible solution for reliable gauging of any kind of part shape.



SPEED, ACCURACY & SAVINGS ALL-ELECTRIC DRIVE

The EGB-4010e features new servo-electronic drives to handle the upper beam, providing high performance and accuracy, while reducing the maintenance need.

The machine is equipped with 5-axis back gauge; the independent and fast clamp fingers provide the necessary flexibility and readiness.



SMART OPERATION PACK OPERATIONS MADE EASY

The Smart Operation Pack includes several features, intergrated with AMNC 4ie, such as the Tablet HMI, the rear camera for fingers and voice commands, to simplify the daily activities of the operator, increasing productivity and reducing errors.



SMART PROGRAMMING AMNC 4ie CONTROL

The AMNC 4ie control is optimised for ease of use by a Multi-touch LCD panel with a user-friendly design.

FULL and LITE mode, Voice commands, Facial recognition and operator's rights, the solution for every need.

Model	EG-4010e
Drive system	New servo drive
Size range	4010
Back gauge	5-axes (X1, X2, R, Z1, Z2)
Crowning system	Natural
Numerical control	AMNC 4ie with FULL and LITE mode
Ergonomic	Lighting kit, adjustable chair, front table, adjustable pendant arm
Angle solution	TDS, Force control, Digipro, Bi-S II



FULLY ERGONOMIC WORKING ENVIRONMENT

Several ergonomic features have been designed for operator comfort and to improve overall productivity, whilst reducing defects caused by operator fatigue.



HFE 3i5012

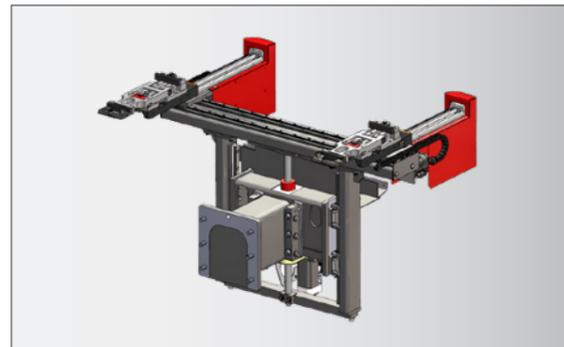
CONNECTED BENDING WORK STATION

Ergonomic, network compatible, compact and highly productive.



ANGLE SOLUTION DIGIPRO

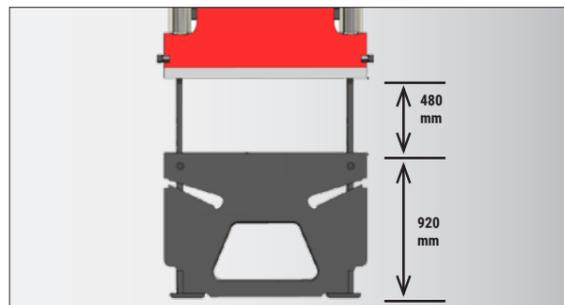
The AMADA Digipro is a highly-accurate, electronic angle measuring device that transmits the measured angle wirelessly to the press brake's NC.



SMART GAUGING 5-AXES BACK GAUGE

High speed and dynamic back gauge guarantees fast positioning for increased productivity.

With Delta X for effective and reliable gauging
FAST: The back gauge with active security feature allows increased productivity and process safety with low impact force and maximum speed



COMPACTNESS & POWER RIGID FRAME

The increased open height of the frame results in the optimum solution for all tooling types, allowing deeper box bending.



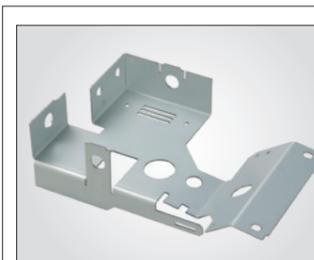
FULLY ERGONOMIC WORKING ENVIRONMENT

The working environment has been organised with features that support the operator's activity.



EASY PROGRAMMING AMNC 3i CONTROL

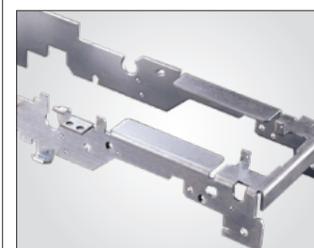
The AMNC 3i control is optimised for ease of use. Multi-touch LCD panel with a user-friendly design provides intuitive smartphone-like operation. The 18.5-inch vertical display means you can view all the necessary programs and bend information on one screen.



Galvanised Steel 1mm
Dimension: 249 x 164mm



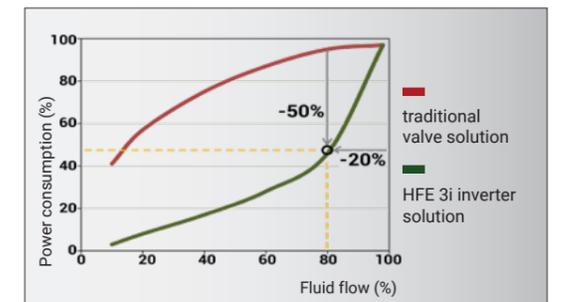
Stainless Steel 0.8mm
Dimension: 274 x 198mm



Aluminum 2mm
Dimension: 328 x 476mm



Stainless Steel 1.2mm
Dimension: 187 x 152mm



GREEN & RELIABLE ECO DRIVE SYSTEM

The Eco drive system continually monitors and self-adjusts bending requirements – providing benefits such as less energy usage, reduced maintenance, less oil consumption, lower noise levels and increased reliability.

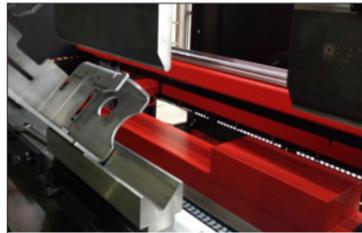
Model	HFE3i-5012
Drive system	Hydraulic with Inverter
Size range	5012
Back gauge	5-axes (X1, X2, R, Z1, Z2)
Crowning system	Mechanical (reactive)
Numerical control	AMNC 3i
Ergonomic	Lighting kit, adjustable chair, adjustable front table, drawers, retractable foot rest
Angle solution	Digipro



AMADA HIGH TONNAGE MACHINES ADVANTAGES

AMADA HIGH TONNAGE MACHINES

specifically designed to produce heavy and big components, including the necessary equipment for handling.



MAX PRESSURE 130 T/M

Improved power per metre
for thicker components



DEDICATED TOOL SERIES

New tool series study to
meet HT application



SHEET FOLLOWER

The new SF200 designed
for a 200 kg payload



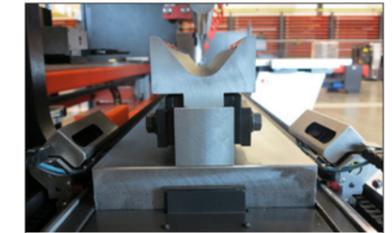
HEAVY BACK GAUGE

A combination of payload
and accuracy



DELTA X FINGER

A flexible back-gauge to
meet every component



Bi-M

Automatic Laser angle
adjustment

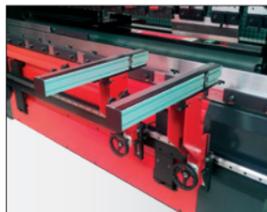
FUNCTIONS FOR OPERATOR COMFORT AND SAFETY



AKAS
safety device
laser beam type



The sheet followers
improve accuracy
and safety. They
assist the operator
in handling large and
heavy parts



Front
workpiece
support T9



Digipro uses
wireless technology
to transmit the
measured angle
to the NC



HFE3i-4004



HFE3i-4005



HFE3i-4006



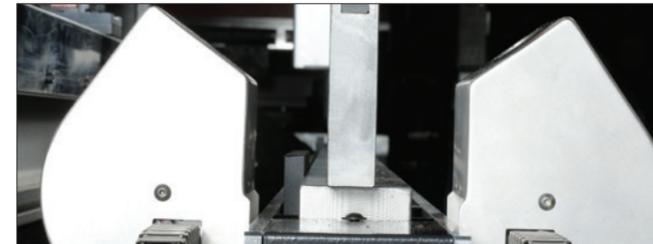
Part size



HFE 3i HT

HIGH TONNAGE PRESS BRAKE

designed to meet the process requirements when bending heavy, large components and thick material.



ANGLE SOLUTION

Bi-M

Automatic angle adjustment Bi-M for thick material and large die ensures highly accurate bending even when material thickness and properties vary from part to part.

DIGIPRO

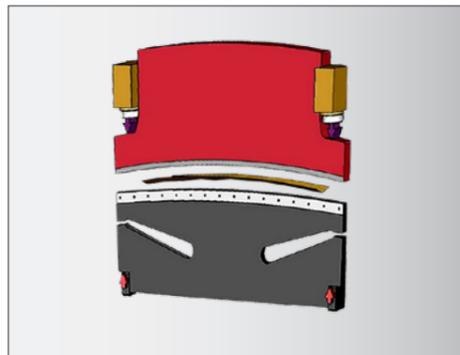
The AMADA Digipro is a highly-accurate, electronic angle measuring device that transmits the measured angle wirelessly to the press brake's NC.



ACCURATE & STABLE GAUGING STRONG & FLEXIBLE BACK GAUGE

Combining payload and positioning accuracy, the new AMADA back gauge, specifically designed for high-tonnage applications, offers an efficient solution for accurate and stable gauging. The back gauge system utilises 5 motorized axes controlled by the NC.

The standard single DeltaX finger allows high gauging flexibility.



RELIABILITY & SAVINGS RIGID FRAME

Frame is specifically designed to offer best performance in High Tonnage applications:

- Parallel deflection of the beams is guaranteed by an AMADA design of the lower table
- High rigidity frame ensures an accurate and stable bending result.



ERGONOMICS SHEET FOLLOWERS

AMADA sheet followers (both 75 or 200Kg each arm) provide an ergonomic and safe solution for large and heavy parts.



EASY PROGRAMMING

AMNC 3i CONTROL

The AMNC 3i control is optimised for ease of use. Multi-touch LCD panel with a user-friendly design provides intuitive smartphone like operation.

Model	HFE3i
Drive system	Hydraulic with Inverter
Size range	4004 - 4005 - 4006
Back gauge	5-axes (X1, Delta X2, R, Z1, Z2) - DELTA X (independant X) option
Crowning system	Mechanical (reactive)
Numerical control	AMNC 3i
Ergonomic	Lighting kit, sheet support, sheet followers
Angle solution	Digipro, Bi-M



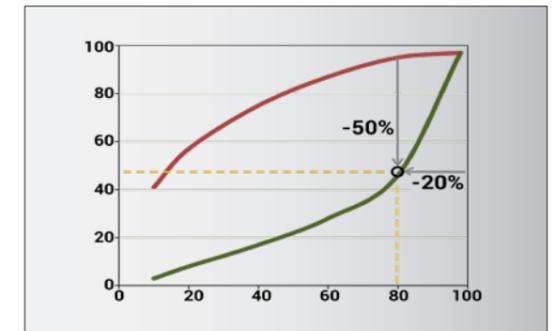
Mild Steel: 6mm
Dimensions: 1264 x 932mm



Mild Steel: 12mm
Dimensions: 1024 x 542 x 465mm



Mild Steel: 12mm
Dimensions: 1024 x 542 x 465mm



SAVINGS

ECO-DRIVE SYSTEM

The ECO-drive system provides benefits such as less energy usage, reduced maintenance, and less oil consumption.

AUTOMATED BENDING

SOLUTION

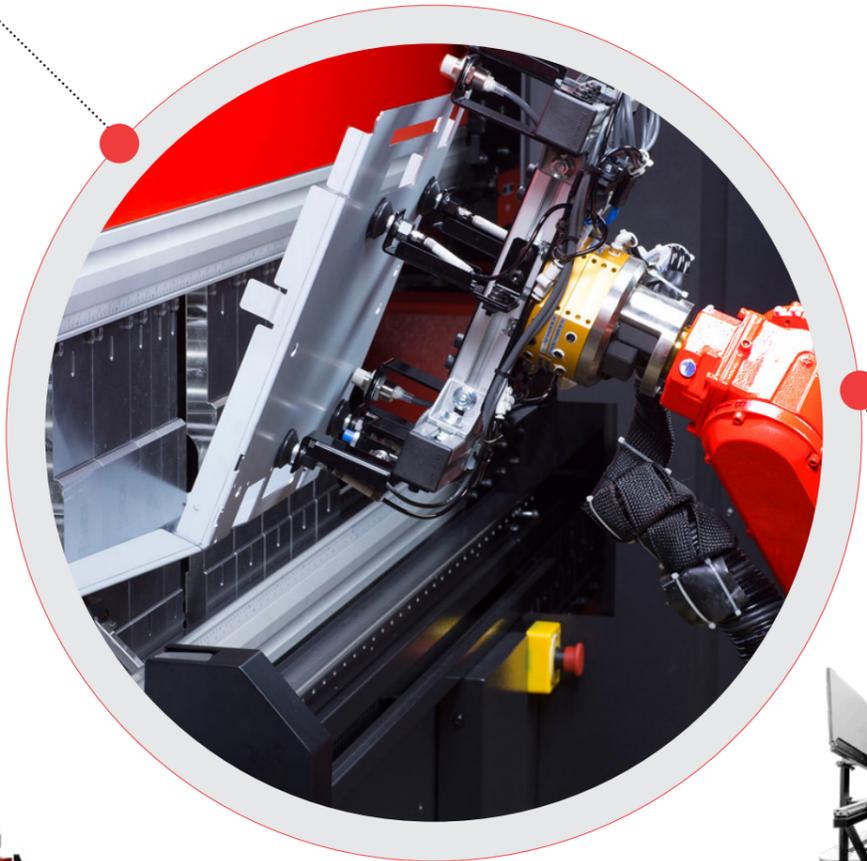
FULLY AUTOMATIC SOLUTIONS



EGB 1303 ARs



EGB 6013 ARc



SCALABLE AND RETROFIT SOLUTION



RBR SERIES



AMADA FULLY AUTOMATIC SOLUTIONS BENEFITS

AMADA'S AUTOMATIC SOLUTIONS

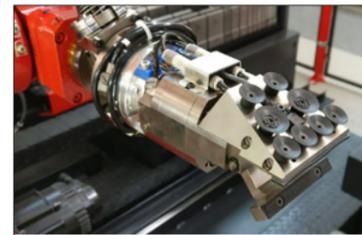
eliminate manual teaching at the machine and therefore increase productivity



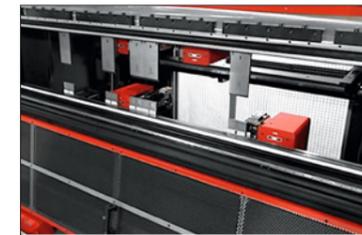
DEDICATED ROBOT
Improve efficiency and productivity



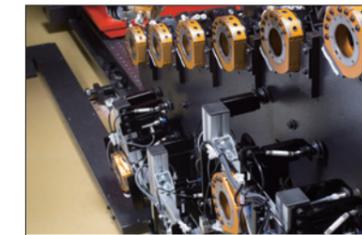
EGB-e OR HG PRESS BRAKES
High-speed and reliable machines



GRIPPERS
A huge range of grippers is available for a consistent expansion of handling capability



ATC
Automatic set-up of multi-station bending layouts thanks to the Automatic Tool Changer (ATC)

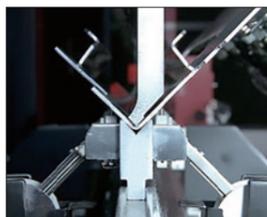


AGC
The gripper can be changed even during the production of the part when necessary



REGRIPPING
The regripping is fully automatic and doesn't need any manual set-up

FUNCTIONS FOR OPERATOR COMFORT AND SAFETY



Bi-S II
Automatic angle adjustment device



Vertical Loading



Side Gauging



Amada Smart Loading Device



Flexible Unloading options
(Pallet, Conveyor, Pallet changer)



AMADA's GFT function
(for perfect gauging, following and tracking)





EGB 1303 ARs

SET & FORGET

The revolution of Bending automation.



FLEXIBLE HANDLING

GRIPPER

Nine types of grippers are available: combination, vacuum and mechanical for the optimum handling of any specific part.



SMALL FOOTPRINT

COMPACT

An ideal solution to boost the productivity while keeping a small footprint.



FIRST PIECE RIGHT

Bi-S II

Bi-S II 1-axis (2-axes option) guarantees high accuracy, reliable production and elimination of trial bend.



FULLY AUTOMATIC SETUP

LOADING ROBOT

It is an independent loading unit with double loading camera, designed to increase productivity and ease of use by identifying and supplying the blank part to the bending robot.

AUTOMATIC TOOL CHANGER

The Automatic Tool Changer (ATC) can load even the most complex tool layout within three minutes. ATC tool storage is composed of 25 racks for dies and 18 racks for punches.

AUTOMATIC GRIPPER CHANGER

The AGC allows the robot to change the gripper automatically which is needed for the production; the gripper can be changed even during the production of the part when necessary for correct handling. AGC can be fitted with 9 grippers.



LOADING/UNLOADING

VERTICAL LOADING/UNLOADING

The vertical loading area is used in case of special parts that cannot be stacked flat. The device has been redesigned to load up to 1000x800mm part.

AUTOMATIC PALLET CHANGER

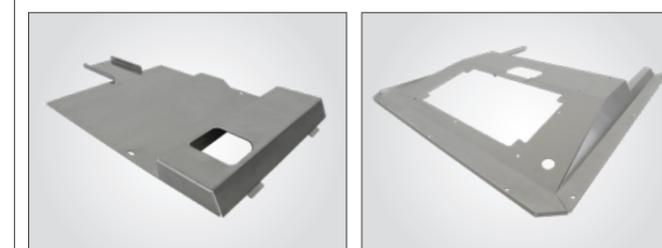
The pallet changer increases the unloading capacity of the bending cell while keeping a small footprint.

Model		EGB-1303ARse
Press brake		EGB-1303ATCe
Robot		6-axes, 1 travel axis, 20kg payload (including gripper)
Workpiece thickness		0.5 ~ 6 mm
Gripper types		Combination, Vacuum, Mechanical
Loading	Number of position	2
	Number of stack	Up to 10 for each loading area
Unloading	Number of position	1 or 2 depending on track length and layout configuration
	Unloading method	Flat and vertical Pallet, Conveyor, Pallet changer



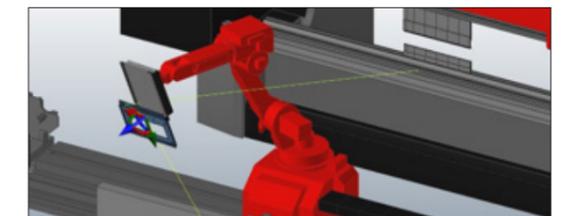
Stainless steel - 0.8mm
Dimension: 860 x 550mm

Stainless steel - 0.8mm
Dimension: 950 x 130mm



Stainless steel - 1mm
Dimension: 400 x 250mm

Aluminium - 0.8mm
Dimension: 600 x 550mm



DEDICATED CAM VPSS 4ie ARBEND

The new off-line CAM solution VPSS 4ie ARBEND introduces new management for robot press-brakes, increasing cycle efficiency and optimizing every single operation. With a modern user interface and thanks to automatic functions, users are always supported by the software during programs creations. Operators have always a total control of movements and trajectories thanks to a very simple and intuitive design.



EGB 6013 ARc

SMARTER, FASTER ROBOTIC PRODUCTION
Smart in production of small and complex components.



FLEXIBLE PRODUCTION

DEDICATED ROBOT

The dedicated robot has been specifically developed and optimized for the bending process. The arm of the robot is capable of going inside the press brake to bend small parts which would previously have been impossible to bend automatically.

AUTOMATIC TOOL CHANGER

The Automatic Tool Changer (ATC) can load even the most complex tool layout. The capacity of the new ATC has been increased to allow for up to 27 tool types between punch and die.

AUTOMATIC GRIPPER CHANGER

The AGC allows the robot to automatically change the gripper according to the production; the gripper can even be changed during the cycle if necessary for correct handling. The AGC can be equipped with up to 8 grippers.



LOADING/UNLOADING

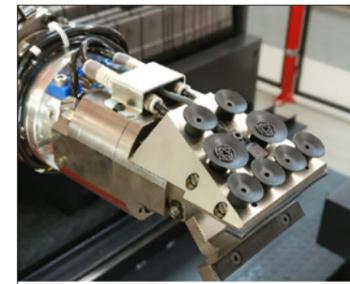
MOBILE CARTS

The EGB-ARce has 3 mobile trolleys for loading. Each of them allows up to 2 stacks, even with vertical loading, in addition to the possibility of preparing the production while the bending cell is running.

UNLOADING CONVEYOR

The conveyor is designed to prevent scratching when parts are placed onto it. Parts are removed from the bending cell without interrupting production.

Model		EGB-6013ARce
Press brake		EGB-6013e
Robot		6-axes, 1 travel axis, (3.2 mm), 10 kg payload (including gripper)
Workpiece thickness		0.5 - 6.0 mm
Gripper types		Combination
Loading	Number of position	3
	Number of stack	2 for each loading area
Unloading	Number of position	Up to 2
	Unloading method	Double layer Conveyor



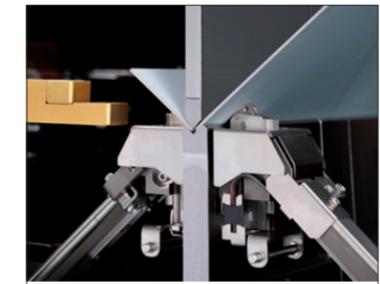
FLEXIBLE HANDLING GRIPPER

A new gripper with both clamp and vacuum functions reduces the number of required robots from two to one. This achieves both a simplified system and a smaller footprint.



SMALL FOOTPRINT COMPACT

An ideal solution to boost the productivity while keeping a small footprint.



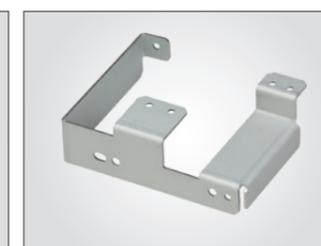
FIRST PIECE RIGHT

Bi-S II

Angle sensor Bi-S II considers spring back and material variations to ensure reliable, accurate bending results.



Stainless steel - 1mm
Dimensions: 104 x 36 x 44mm



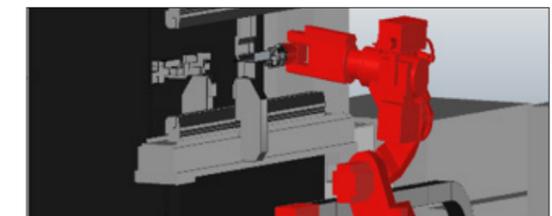
Galvanised steel - 1mm
Dimensions: 74 x 60 x 23mm



Stainless steel - 1mm
Dimensions: 275 x 63 x 19mm



Galvanised steel - 1mm
Dimensions: 144 x 41 x 15mm



DEDICATED CAM VPSS 4ie ARBEND

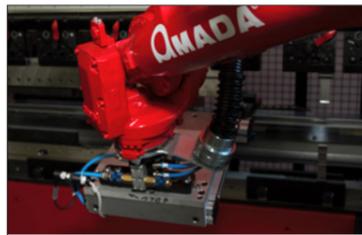
The new off-line CAM solution VPSS 4ie ARBEND introduces new management for robot press-brakes, increasing cycle efficiency and optimizing every single operation. With a modern user interface and thanks to automatic functions, users are always supported by the software during programs creations. Operators have always a total control of movements and trajectories thanks to a very simple and intuitive design.



AMADA SCALABLE AND RETROFIT SOLUTION BENEFITS

AMADA'S RBR SOLUTIONS

Automate the bending process with a tailor-made solution



ROBOT RANGE

Possibility to select between 50 and 200Kg payload



RETROFIT

Not only as a new solution but also as retrofit



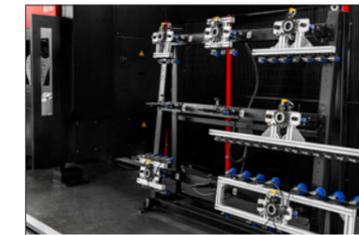
STANDALONE MODE

A quick switch of the production between manual and automatic mode



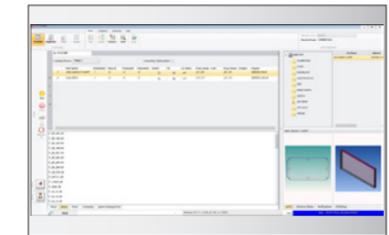
Bi-S

Automatic angle adjustment device for highly accurate bending



AGC

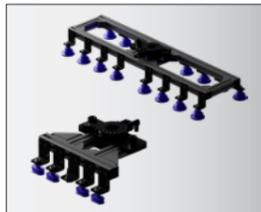
Possibility to change the gripper automatically for higher flexibility



PRODUCTION SCHEDULE

Easy production schedule thanks to Cell Manager application

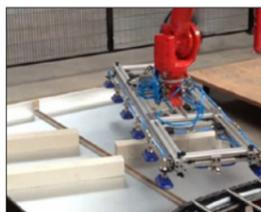
FUNCTIONS FOR OPERATOR COMFORT AND SAFETY



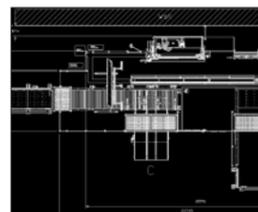
Custom grippers
Grippers specifically designed for customer's parts



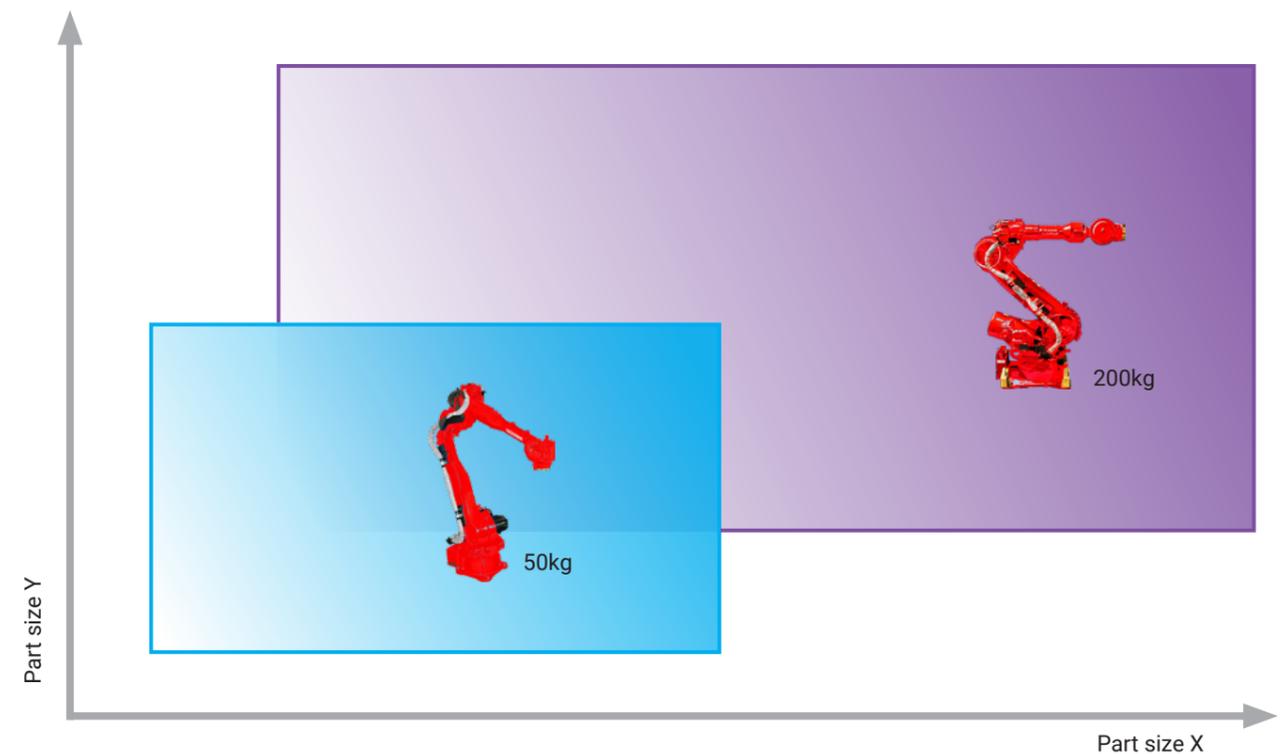
Motorised regripping
Automatic setup of the device



Unloading interlayer
Cardboard and polyurethane management



Modularity
Press brake and Robot combination based on customer's need

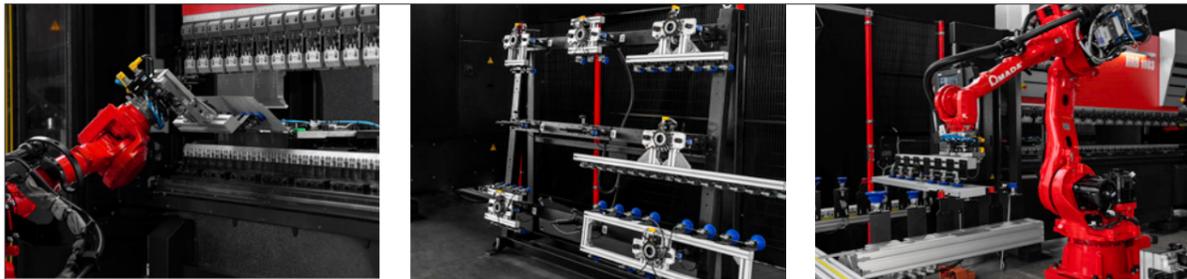




RBR SERIES

FLEXIBLE AUTOMATIC BENDING SYSTEM

Modular, Scalable, Retrofittable. The tailor-made bending automation.



HIGH FLEXIBILITY AND MODULARITY

ROBOT & PRESS-BRAKE

Two types of robots with different payloads are available in combination with HRB and HRB-ATC press brakes. The RBR solution can be provided as a completely new system or as a retrofit.

RBR has been designed to assure maximum flexibility and optimised cycle time, thus providing maximum-level performances at a competitive price.

AUTOMATIC GRIPPER CHANGE

The AGC allows the robot to automatically load the gripper needed by the production; the gripper can be changed even during the production of the part when necessary for correct handling. The AGC station has a maximum capacity of 9 grippers.

REGRIPPING DEVICE

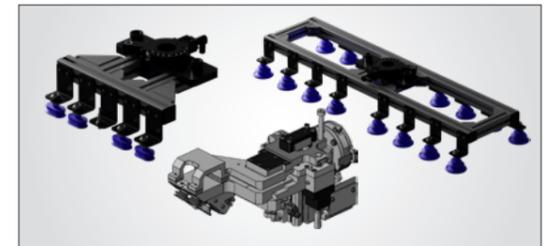
The automatic regripping can be equipped with 2 motorised arms, and automatic scissor support and programmed by offline software.



LOADING/UNLOADING AUTOMATIC TOOL CHANGER

The Automatic Tool Changer (ATC) allows non-skilled setup and an accurate and repeatable position of the tools to avoid the need for manual teaching.

- The key benefits of the ATC are:
- Quick tool setups
- Four independent tool manipulators
- Automatic tool locking by hydraulic clamps



FLEXIBLE HANDLING GRIPPER

Grippers are studied according to customers' parts and specifications to allow the best and fastest handling.



Model	RBR series	
Press brake	HRB, HRB-ATC	
Axes composition	6-axes + 1 travel axis	
Part Specification*	Payload (including gripper)	50 kg
	Panel Workpiece size	2000 x 1000 mm
Travel axis	Axis length	Based on layout configuration
	Number of position	Based on layout configuration
Loading	Number of stack	Max. 6 (for each position)
	Stack height max.	500 mm
Unloading	Number of position	Based on layout configuration
	Unloading method	Pallet



Stainless steel - 1mm Dimension: 364 x 112mm Galvanised steel - 1.5mm Dimension: 2060 x 517mm



Stainless steel - 1mm Dimension: 186.5 x 3000mm



DEDICATED CAM VPSS 4ie ARBEND

The RBR bending software allows easy offline programming of bending sequence, tool setup and all cycle phases. The optimal robot trajectories and press brake program are generated automatically and it's possible to check the simulation. Programs are opened from the robot and press brake through the AMADA database.



SOFTWARE

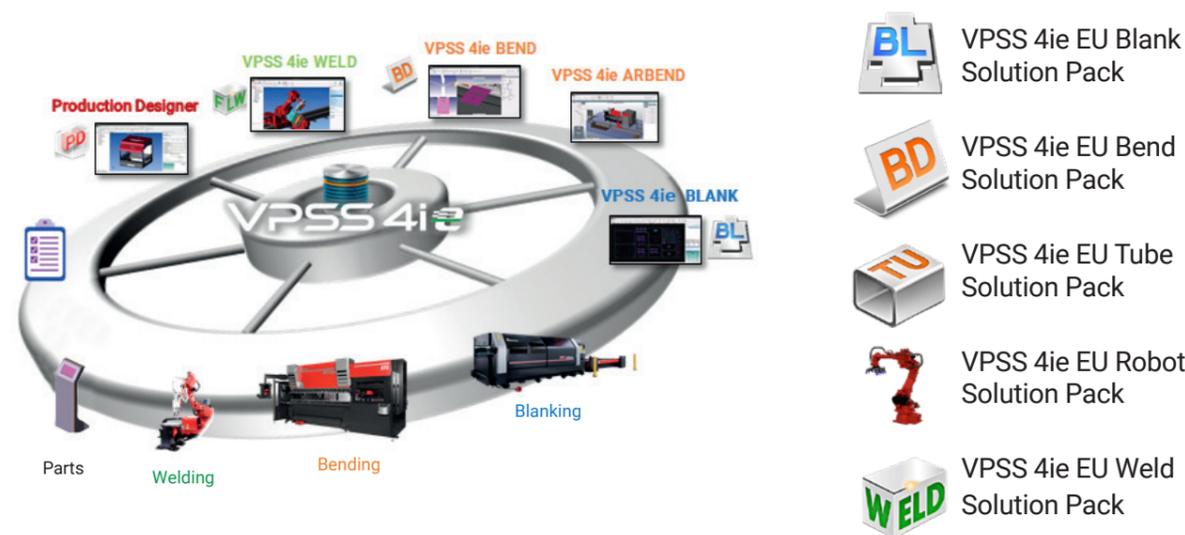
SOLUTION

VPSS 4ie

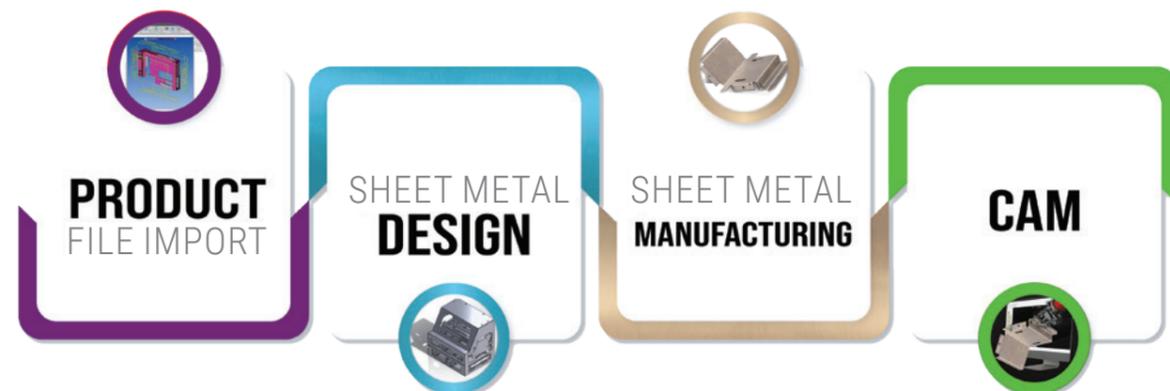
ADVANCED SHEET METAL ENGINEERING SYSTEM

AMADA strongly believes that innovative software is the core of productive sheet metal processing. With decades of experience in the sheet metal industry and by working together with our customers, we have developed easy to use software solutions designed to meet the industry requirements. AMADA software solutions increase customer productivity through integrated development with AMADA machines and an emphasis on virtual prototyping and simulation systems.

Our VPSS 4ie CAD/CAM software helps you virtually simulate the production process, identify potential issues and make adjustments before manufacturing. With our solutions, you can maximise quality and increase efficiency whilst minimising waste. The fully automated and optimised software can also be used by less experienced operators.



VPSS 4ie Suite, from design to production-ready in four simple steps



INDUSTRY 4.0

SOLUTION



KEEPING AN EYE ON PRODUCTION

V-factory helps customers improve the efficiency of their factory and connects each working process. V-factory is a structure to create profits by connecting the customer and AMADA. All factory aspects such as machines, tooling, software and AMADA IoT Support Centre are linked by secured communication technology.

IoT PRODUCT

Various types of information can be connected within the customer facility to help create a smart factory.

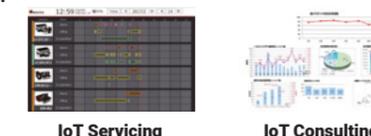
- As a result:
- Improved operation efficiency
- Faster information sharing, visible through the cloud
- Easier cost management



IoT SUPPORT

It connects customers and AMADA through AMADA services.

- As a result:
- Maximum machine uptime
- Minimum recovery time
- Proposals for better operations based on real data.



THE KEY TO DIGITAL TRANSFORMATION

LIVLOTS

CONNECTING PEOPLE, PRODUCTS AND SOLUTIONS IN A DIGITALISED WAY

With the brand-new software solution LIVLOTS (Live Variable LOT production System), AMADA demonstrates how digital transformation can make production processes more efficient and reliable. Particularly noteworthy is the deep integration into innovative machine technologies, the VPSS 4ie CAD CAM software solution for virtual prototype manufacturing, complemented by predictive support from technical services, which reduces downtime and increases machine availability.

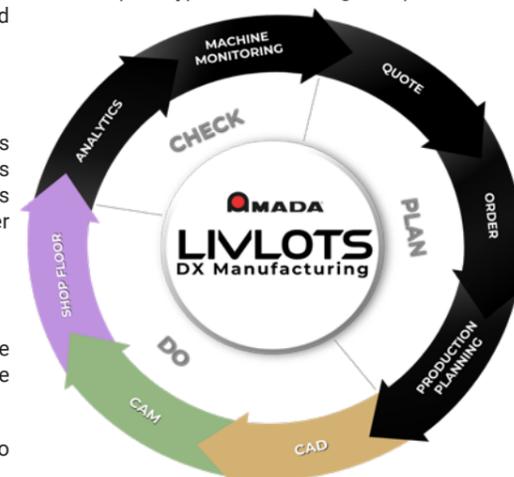
LIVLOTS – THE KEY TO DIGITAL TRANSFORMATION

The newly developed LIVLOTS application easily responds to the changes and variables present on any production line and promotes continuous improvement to make more efficient use of resources. LIVLOTS connects not only machines but also employees, providing relevant production order data in real-time – exactly when it is needed.

LIVLOTS CONCEPT AND BUNDLES

The LIVLOTS concept gives you the possibility to digitalise the whole manufacturing process, starting from the work-order management to the shop floor, passing through the programming process.

LIVLOTS connects people, products and things in a digital way, thanks to 10 modules built to boost your productivity.



SERVICE SOLUTION

AMADA CARE: PROMPT, PROACTIVE, PROFESSIONAL

AMADA Service in Europe is based on a tradition of Japanese excellence, and it exists to provide market leading support to customers. The extensive team of over 500 dedicated service field and support staff ensures the right people are available to fulfil customers' requests. The objective is to deliver best-in-class quality of service irrespective of location in Europe and to ensure customers are fully supported through every step of their investment for the full life of the product.

AMADA Service in Europe operates omnichannel communication routes to ensure the minimising of downtime and maximising of productivity. This is achieved by greater digitalisation providing high quality and customised industrial IoT (Internet of Things) services in all markets and territories across Europe for the benefit of end customers. AMADA service in Europe's goal is simple; Provide unparalleled customer support to ensure all customers reach their maximum potential.

01 **FIELD SUPPORT**

Service Engineer
Engineers with specialised knowledge provide direct support for everything from machine operation and processing suggestions to software usage

02 **IoT SUPPORT**

IoT Support
Specialist IoT Engineers in dedicated service centres remotely monitor the status of the machines and software and provide proactive individual customer focused support

Online support kit
Dedicated Remote support apps make connections to Amada prompt and simple

03 **ORDER DESK**

Tooling / Parts
Solutions and performance **Webshop**
Online quotations and orders parts & tooling

04 **ATEC (AMADA Technical Education Center)**

At our head office facility we have established the «AMADA Technical Education Center». This center is designed to train highly skilled personnel on a variety of newly marketed and legacy machines and is capable of handling up to 200 units consecutively. The facility caters for service engineers from around the world to enhance their technical skills and provide local training sessions to their peers

05 **GLOBAL SERVICE NETWORK**

Service Worldwide
1,700 service engineers

Service in Europe
200 Service centre staff
300 Field service engineers
Anytime Anywhere

AMADA CARE

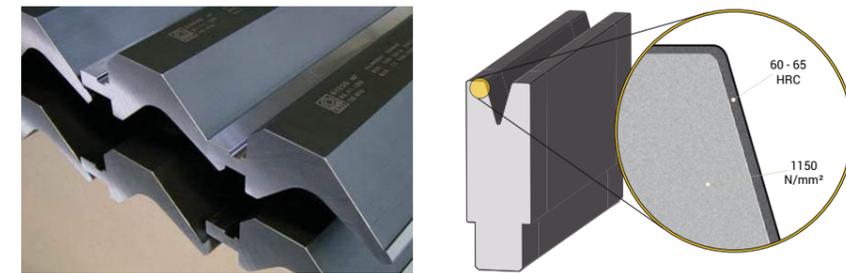


Service Excellence

TOOLING SOLUTION

QUALITY THROUGH HARDENED FROM HOT FORMED STEEL & AMANIT

Punches are made of hardened from hot formed steel for long lasting high precision, surface hardness of 45-50 HRC and body strength of 1500 N/mm². Dies, are made of AMANIT which allows highest wear resistance on tool surface (60-65 HRC), low friction on the shoulder radii, the highest strength of the body (1150 N/mm²) and corrosion resistance.



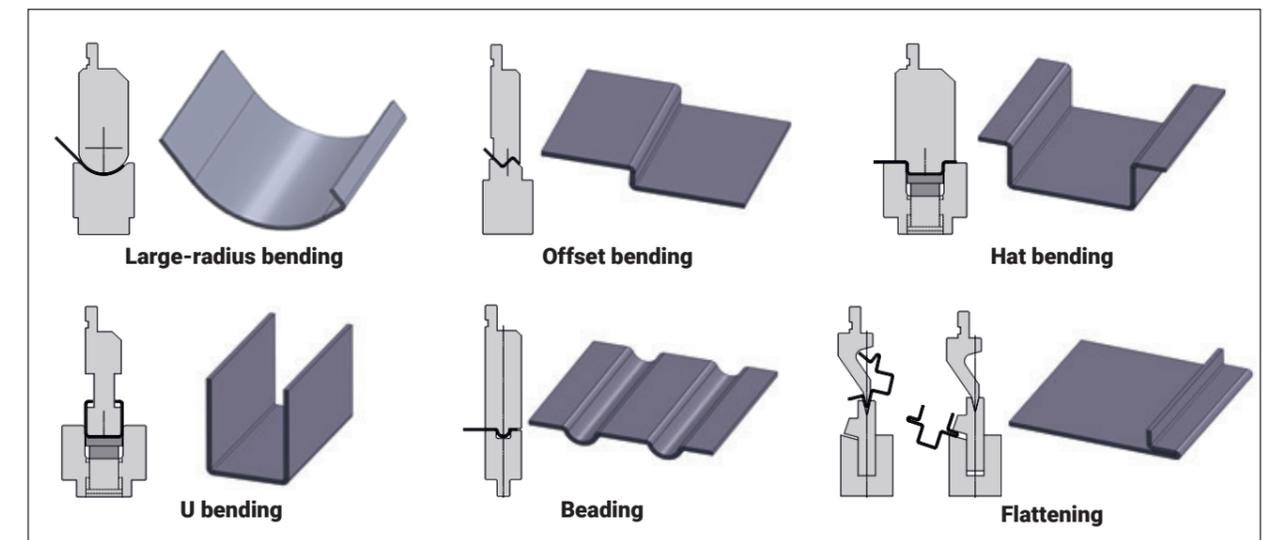
With innovative heat treatment strategies and special testing techniques AMADA is giving best durability to the steel, not only against failure caused by dead loads but also against fatigue caused by an infinite number of repeated loads.

LASER MARKING

All AMADA press brake tooling is marked by laser. Essential information like tooling type, angle, tonnage, length and radius are marked even on the sectional parts.

STANDARD, SEMI-STANDARD & SPECIAL TOOLS

AMADA offers large ranges of standard, semi standard & special tools to meet all customers' needs.



Specifications, appearance, and equipment are subject to change without notice by reason of improvement.
Some items listed in the document are optional extras.



For Your Safe Use

Be sure to read the operator's manual carefully before use.

When using this product, appropriate personal protection equipment must be used.

Hazard prevention measures are removed in the photos used in this catalogue.

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