



SETTING NEW STANDARDS IN PLATE BENDING TECHNOLOGY





ABOUT US

MISSION

Our mission is to combine good planning, hard work, transparency and technology to provide high quality plate bending machines which exceed the expectations of our customers. Satisfying our customers with the appropriate level of quality is a primary goal and a fundamental element of our business mission.



VISION

Our vision is to positively impact the plate-bending market with high tech engineering and the fastest return of investment.

Let us **help you**
shape **the future**

OVERVIEW OF THE COMPANY

100 % ITALIAN
part of
FACCIN GROUP

When the Faccin Group launched BIKO in 1991, the objective was simple: to deliver premium-quality plate bending machines at affordable prices. It rapidly became the number one choice for hundreds of manufacturers producing Boilers, Heat Exchangers, Tanks, Silos, Wind Towers, Heating and Ventilation Equipment.

Thousands of machines sold worldwide for over 25 years show our devotion to finding the very best designs, materials and technology available and our pledge towards excellence.

As we keep growing, our commitment to creating products integrally manufactured in our factory in Italy, provides our customers with the fastest Return of Investment in the industry.

A long list of satisfied customers is the best assurance of performance and reliability of BIKO plate-bending machines.

BIKO AROUND THE WORLD





OUR FACILITIES

We are strategically located in the well-known county of Lake Garda, right in the centre of the engine of Italy, the Lombardia region, with easy access from both Verona and Milano Airports.

When you visit our facilities you will notice with satisfaction that we manufacture our BIKO line entirely in Italy, staying in control of every phase of the production line and thus guaranteeing the highest quality of our products.



OUR RESEARCH AND DEVELOPMENT TEAM

BIKO plate bending machines are meticulously designed by our team of world class engineers using modern 3D-CAD systems. They work towards the innovation, introduction, and improvement of our products.

Thanks to the effort and commitment of our R&D team BIKO has experienced a continuous growth expanding its operations towards the 5 continents.

OUR FEATURE SERVICES

Dedicated Sales Account Manager

As soon as you contact us you will be assigned to one of our highly-qualified sales account manager according to your needs and language preferences. He/she will be in charge of establishing, developing and strengthening our commercial relationship through regular close contact.



Customer Needs Analysis

We understand that this is an important and long-term investment for your company. That's why we think carefully about your specifications.

Once we receive your requirements we will advise you on which is the best product that matches your production needs and a clear customized proposal.



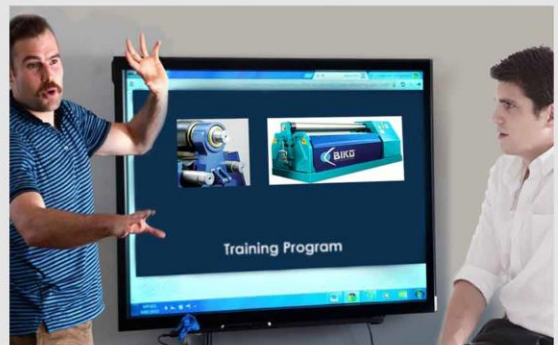
Product Construction

The particular care paid during the manufacturing process, from the cutting of plates & profiles to the machining of the welded structure, results in the reliability and precision of the BIKO range. Every component is controlled in accordance with ISO 9000 standards before reaching the assembly bays where machines up to 600 Tons can be mounted & tested before delivery.



Installation & Training

At BIKO we know that in order for our customers to have a fast return of investment, the quality of the product is not enough. A proper installation of the equipment together with training of the operators assures productivity from the first day.

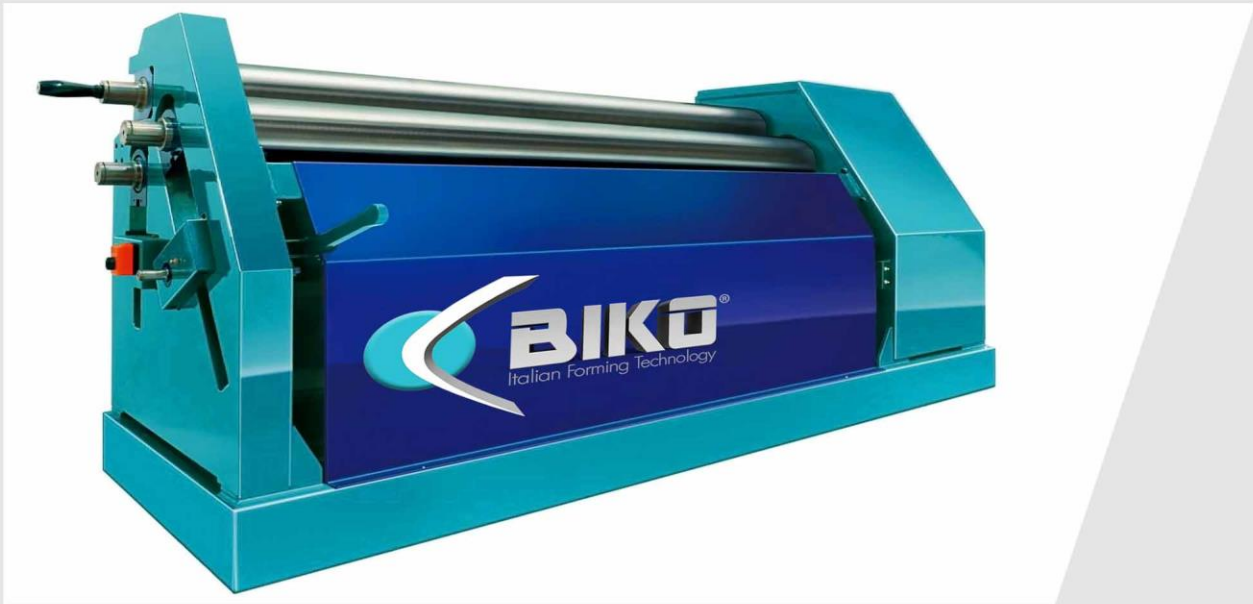


Support

BIKO's company policy is oriented to customer care from the initial stage of the investment evaluation to the after sales services.

A skilled team of engineers using the most advanced communications tools and software are always available to assist the bending rolls operators in solving any issue promptly and accurately.





BIP

Get Started with Minimum Investment

SINGLE 3 Roll Initial Pinch Plate Bending Roll Machine

The BIP version of plate roll guarantees **superior quality of bending** thanks to the asymmetric geometry of the rolls movement.

Optimal plate drive is guaranteed by the two powered pinch rolls. It is ideal for avoiding any slipping even on very thin plates. A rigid base presents the opportunity to position the machine anywhere.

The side roll bends the material very near to the asymmetric clamping point resulting in a **pre-bending quality** superior to the one achievable with the more expensive 4 roll design.

A convenient foot pedal control allows a one man operation for plate loading and pre-bending operations.

Rolling of profiles is possible as a result of the extended roll shafts, provided as standard on all models, so it is possible to mount either standard profiles or pipe dies.

The BIP series of plate rolls is surely the most convenient way to roll your shells consistently with a minimum investment.



Digital readouts: Mounted on the machine, they assist the operator in achieving quick repeatability by accurately monitoring the roll position.



Hardened and polished rolls:

a hardened surface may grant resistance up to 200kg/mm², preventing the excessive wear of the rolls, above all when rolling cones or when rolling stainless steel, flame cut steel or other hard materials.

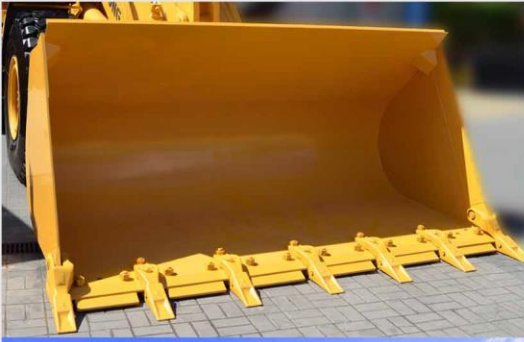


Profile dies: Profile dies can be mounted onto the machine's extended roll shafts outside the drop end bearing. These can be adjusted to the profile shape T, U, Flat or Pipe.



CONFIGURATION

- Two powered rolls
- Induction hardened rolls
- Rolls surface polished
- Digital readouts for rolls positioning
- Cone bending attachment
- Motorized pre-bending and rolling
- Extended shafts for profiles rolling
- Movable foot pedal controls
- Machine CE certified for its safety



B3

3 Rolls

Plate Bending Machine

Great value with versatility and strength

Biko's B3 is the latest evolution of the traditional three rolls double pinch plate-bending machine. It has been designed to cover the needs of the fabrication shop: **Strength, User Friendliness and Versatility.**

With all three rolls being driven by independent motors and gearboxes, two powerful hydraulic cylinders to each roll and a hydraulically operated drop end bearing for the removal of completed cylinders, the machine has the capabilities to produce high quality rolled parts.

As a result of its great competitive value, the BIKO's B3 is the preferred machine of the general fabricator, who needs the assurance of a strong and user friendly machine.

A configuration for all rolling needs

Configuration	Standard	Heavy Duty
Plate Width	1500mm to 3000mm	2000mm to 6000mm
Plate thickness	3mm to 25mm	20mm to 300mm
Maximum top roll diameter	285mm	1500mm
Cone rolling package	✓	✓
Hardened and polished rolls	✓	✓
CE certified for its safety	✓	✓

* Special sizes and capacities available upon request.

BIKO B3: built to last



Heavy duty, high stability welded frame solid superior precision.

Ultra-wide drop end minimises top roll transverse movement;

Rolls made of high resistance full cast steel minimise the deflection under load and damage on the surface.

Fully hydraulic movements maximum bending power without loss of energy and overloads on mechanical components;

High capacity roller and spherical bearings friction-free movement of rolls that reduce maintenance needs;

Direct drive for rolls rotation high torque, fast rolling power and maximum efficiency through planetary gearboxes.

Automatic rolls peripheral speed compensation optimum distribution of the torque without need of manual adjustment.

Large range of accessories available



Top Support

When rolling thinner material to larger diameters, the rolled part has little inherent strength and has a tendency to collapse resulting in an "egg" shaped cylinder. Adding a top support will

avoid the rolling of overlapped plate edges and it will help positioning the plate edges for tack welding.



Profile dies

Profile dies can be mounted onto the machine's extended roll shafts outside the drop end bearing. These can be adjusted to the profile shape T, U, Flat or Pipe.



Side Support

Primarily used when rolling larger diameter open shapes, the side support is used to prevent the weight of the material from re-opening the rolled diameter as the material goes through the rolls.



B4

Reasonable investment for high productivity requirements

4 Rolls

Plate Bending Machine

The BIKO B4 series is the result of years of experience in a variety of fields where the plate roll is the heart of the production (pressure vessels, heat exchangers, boilers and wind towers).

The BIKO B4 machines offer bending Power and Reliability, guaranteed by exclusive design solutions and state of the art engineering.

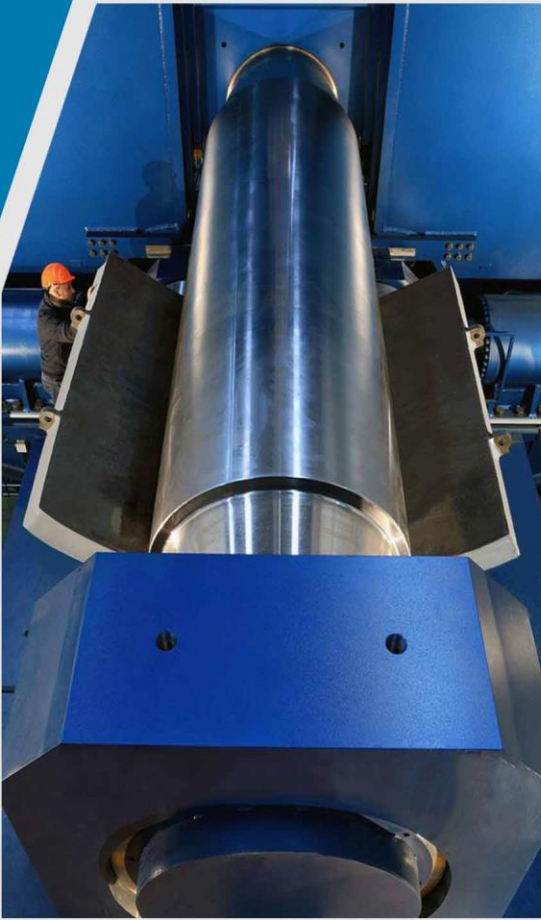
Every B4 plate bending machine is built with a **Heavy Duty, High Stability Closed Ring Frame** for maximum steadiness and rigidity of the structure. The fabrication is made from quality certified steel plates carefully welded and machined in Italy.

A configuration for all rolling needs

Configuration	Standard	Heavy Duty
Plate Width	1500mm to 3000mm	2000mm to 6000mm
Plate thickness	3mm to 25mm	20mm to 300mm
Maximum top roll diameter	285mm	1500mm
Cone rolling package	✓	✓
Hardened and polished rolls	✓	✓
CE certified for its safety	✓	✓

* Special sizes and capacities available upon request.

BIKO B4: Heavy duty for high production needs



Ultra-Wide drop end minimises the top roll transverse movement guaranteeing superior quality of the rolled product.

Fully Hydraulic Movements provide maximum bending power without loss of energy and overloads on mechanical components.

High Capacity roller and spherical bearings provide friction-free rotational movement of rolls and reduce maintenance needs.

Rolls Made of Certified Quality steel with large shafts diameter minimise the deflection under load and damage on the surface.

Direct Drive for rolls rotation for high torque fast rolling power and maximum efficiency.

Automatic Rolls Peripheral Speed Compensation guarantee optimum distribution of the torque without need of manual adjustment.

Clamping Pressure Control for optimum automatic setting of the pinch roll position according to the different plate sizes.

Safety Barrier for immediate emergency stop of machines movement when the operator is near hazardous area.

CE certification for machine safety.

Large range of accessories available



Top roll hydraulic cambering systems

Available in fixed or removable versions, it reduces and prevents cambering on small diameter rolls and increases the range of thickness rolled without defects. Perfect for rolling tight radii open shapes or rectangular tanks.



Automatic feed table

Available with rollers, balls or brush tables with motors or pushers. It can be horizontal or tilting type. Also lateral or In-line types available depending on customer lay out.



Automatic ejector

Increase production speed with our automatic ejector. Available in Hydraulic or Pneumatic Versions, also with Support Extension and Guiding Wheels. It can be mounted on Side Frame or Overhead Support.



Alignment system for feed table

Our alignment system can come with independent or synchronised pushers, manual or automatic alignment bars. For rectangular or cone cut shapes, we also have special versions for wind towers



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