



BENDING THE FUTURE

Schiavi 

Since 1958



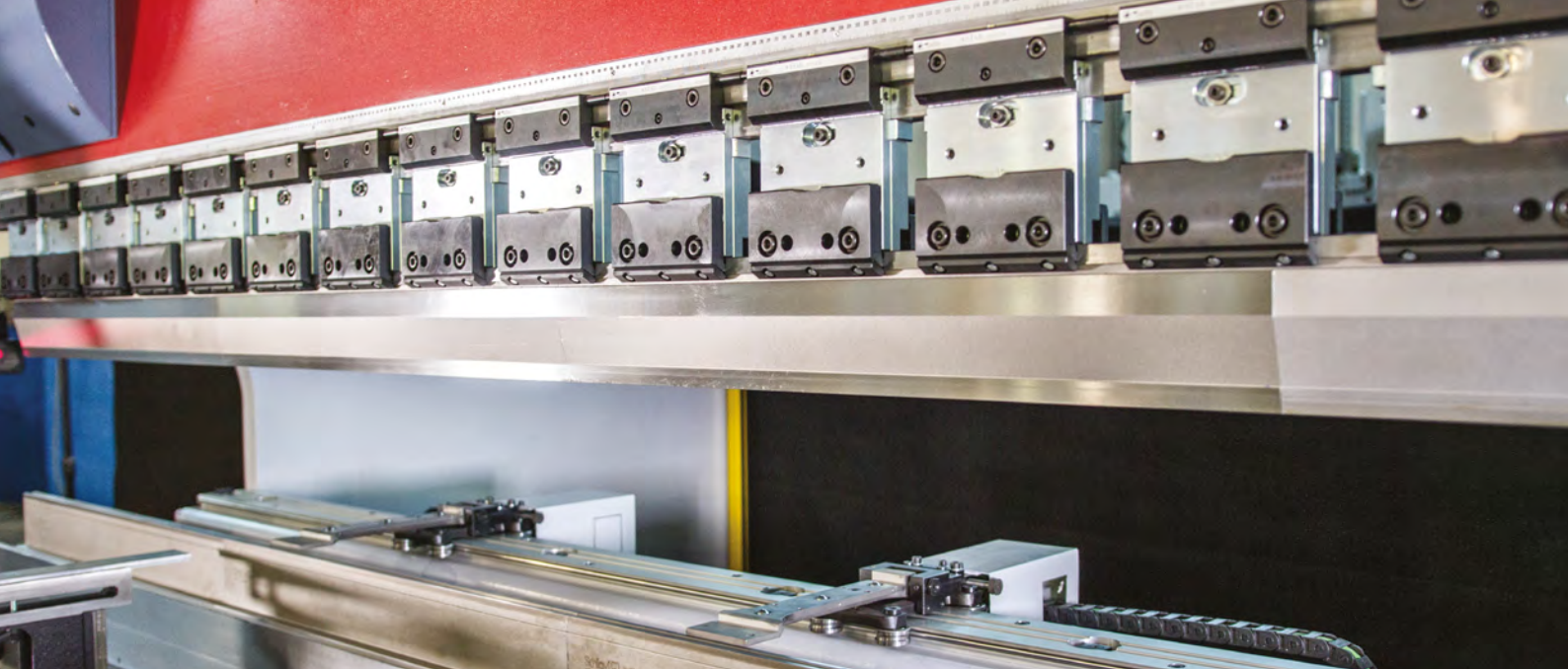


# SCHIAVI. BENDING THE FUTURE. SINCE 1958

Since 1958 our mission is enduring reliability and quality, which are the result of dynamic research and development, together with an unmatched customer service, the added value on which SCHIAVI has built its company history. Continuous training, prompt pre-and after sale responsiveness, technological know-how and expertise in design allow SCHIAVI to uphold the tradition

of "Made in Italy" excellence around the world. SCHIAVI's capabilities in designing and adapting its products to the specific needs of the market, whether through integrated or customized solutions, are the keys that allow SCHIAVI to provide its customers not only with the performance they seek but also a genuine competitive edge that its customers can "deploy" to their target market.



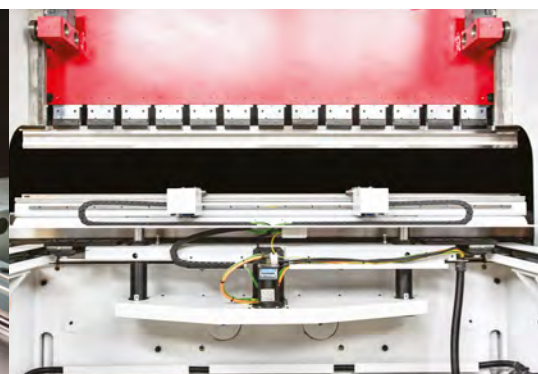


## PRESS BRAKES SHAPING EVERY SHEET

The key feature of SCHIAVI press brakes is to produce simple shapes or complex geometrical structures with the same degree of accuracy. Every model of SCHIAVI press brakes has developed a suitable system for parallel plate bending, an essential feature to guarantee a constant bending angle without the need of any additional crowning systems.

### **BSTs, HFB s/x, LineAr.**

A wide range of models technically and structurally renewed to meet the customers need. SCHIAVI relies on a group of specialized technicians, dedicated only to manufacturing, to guarantee a perfect integration between hydraulic, electronic and mechanical components. SCHIAVI's product line adopts high quality CNC controls: this advanced technology is developed and produced by SCHIAVI to best optimize performance and guarantee affidability. All SCHIAVI press brakes are designed, developed and produced "Made in Italy".





## BSTs COMBINATION OF SIMPLICITY AND SAFETY



Schiavi BSTs press brakes are designed for customers that need basic processing, but can not give up the guarantee of Schiavi's technology. Special attention was given to safety features: with the objective of reaching high production standards. The structure is essential, but offers the sturdiness and reliability necessary to guarantee a precise and constant bend in every working condition.

The BSTs press brake is complete with the SK 12 CNC control (LCD monitor) and 2-axis backgauge.

## HBFs BENDING WITH ABSOLUTE ACCURACY



HFBs press brakes are the most advanced model in the automatization of the bending process. Together with dedicated hydraulics and latest-generation CNC software, the HFBs range offers companies in the sheet metal business the way to increase their competitiveness. HFBs press brakes are particularly suitable for integration in a robot-operated bending cell. The extraordinary HFBs model ensures elevated versatility and flexibility, with excellent results, in the production of sheet metal parts of various thicknesses for every possible application.

## HBFx HIGHEST PRECISION



The HFBx is the press brake of highest precision, characterized by the remarkable geometrical dimensions of **stroke (500 mm)** and **open height (up to 1000 mm)** between the tables. The wide open height between the tables allows the **easy the release and the extraction of boxed parts of large dimensions**, while keeping high production velocity. The HFBx is particularly suitable for robot-operated solutions. Thanks to the approach speed (250 mm/sec.) and to the return upstroke speed (250 mm/sec.) of the upper table, HFBx press brakes maintain a high production standard by eliminating welding and operations, typical of the manufacturing of large boxed parts.

## LineAr UNDEFORMABLE BENDING STRENGTH



The LineAr press brakes belong to the range of large machines destined to the processing of sheet metal of large dimensions and high thickness, **without** compromising the quality of the bend. LineAr press brakes are a synonym of great strength and excellent bend quality. The bending precision is guaranteed without the addition of external crowning systems. The rigorous centering and alignment of the tables, is ensured by 4 pairs of bearings (upper and lower), placed at great distance, that slide on treated and rectified steel track. The CNC control offers the possibility of determining, memorizing and controlling the necessary parameters required to realize the bend; this procedure guarantees an automated bending process and the affidability of the press brake. Thanks to an international patent, many models of the LineAr lineup, despite their large dimension, **do not require a foundation**.

# ACCESSORIES & TOOLS

## TASK 84

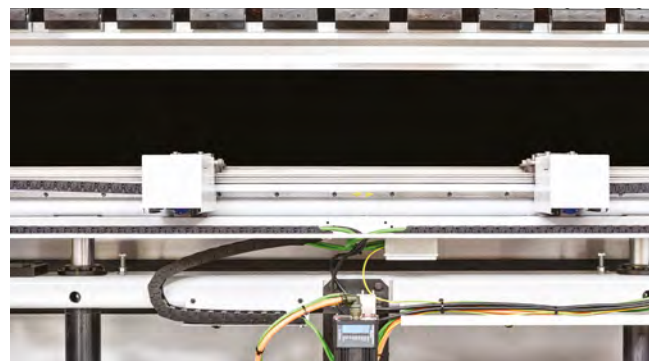
### CNC CONTROLS AND AUTOMATION SYSTEMS

Task 84 is committed to the design and production of electronic automation systems for industrial machinery since 1984. Our CNC Control Division, with 30 years of experience and 10.000 units sold, contributes to the development of all the automation processes required by press brakes. SCHIAVI has a wide range of latest generation CNC control, all equipped with the necessary devices to handle all back gauges. Electronic and computer skills serving the automation of SCHIAVI press brakes.



## BACK GAUGE SYSTEMS

A wide range, for all needs. Schiavi has a wide range of back gauge systems capable of satisfying the most demanding customers, both in technical and economical terms. All models are extremely strong and absolutely precise. Installed on SCHIAVI press brakes, together with the different SCHIAVI CNCs, these back gauge systems are suitable for all possible bending processes.



## ROBOT OPERATED BENDING CELLS

The robot-operated bending cells is a highly automated system where the robot picks up the sheet to be worked from a loading area, accompanies it throughout the bending process, and deposits it in an unloading area. All without the need of an operator. SCHIAVI has placed automation at the top of its development program. Today, the bending cells can be supplied with two different solutions: the multi axis cartesian robot, which moves along precise orthogonal translation or rotation axes; or the anthropomorphic robot, with six fully interacting degrees of freedom.



## PRESS BRAKE TOOLING

SCHIAVI has a wide range of **punches and dies**, the elements constituting the focal point of press brakes and the sheet metal bending process. The breadth of processes possible with today's press brakes, result in a corresponding variety of tooling able to satisfy every dimension, shape and need. SCHIAVI's tools are constructed in special C50 steel, whose wear parts undergo induction hardening, to reach 50-60 HRC, and rectification. SCHIAVI features a large inventory always stocked to guarantee quick response time on every model of tooling. To satisfy request for special processes, SCHIAVI's technicians can offer a **feasibility study starting from the technical drawing of the part to be produced**.





# **SCHIAVI** OUR STRENGTHS



PRECISE BENDS WITHOUT CROWNING SYSTEMS.



UNDEFORMABLE UPPER AND LOWER BEAMS.

TASK 84

SINCE 1984 WE PRODUCE CNC CONTROL SYSTEMS.  
A SOPHISTICATED AND USER FRIENDLY SOFTWARE IS THE KEY OF OUR SUCCESS.

efficiency

LOW ENERGY CONSUMPTION SYSTEMS.

**CUSTOMER**  
SERVICE

PROFESSIONAL ASSISTANCE AT THE SERVICE OF THE CUSTOMER.

**INNOVATION**  
& RESEARCH

CONTINUOUS DEVELOPMENT TO FORESEE MARKET DEMANDS.

**Schiavi** 

*Since 1958*

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