

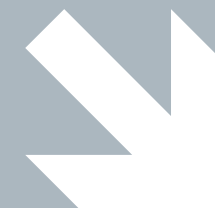


# Hajlítás és Vágás

***BOSCHERT GIZELIS.co***

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# The company

Gizelis S.A. was founded by Stamatis Gizelis in 1968, specializing in the manufacturing of machines for the sheet metal industry. Today is one of the oldest companies in its field, with activities that start from machine design and development, and continue with complete 'in house' manufacturing of sheet metal processing machines.

Gizelis S.A. is a well established manufacturing company, with significant presence in the Global market. Now with a large network of Global associates, the company is able to provide complete solutions regarding the production chain associated with sheet metal processing machines.

In 2004 Gizelis S.A. formed a strategic alliance with German company Boschert GmbH. With this alliance a new series of machines has emerged, aiming to provide the customer with a full range of high quality sheet metal processing machines.

All manufacturing procedures for both companies take place in two privately owned factories situated within the European Union.

For Gizelis S.A. the quality of its human resources is of great significance. A team of highly qualified engineers and managers with experience in their fields of expertise are responsible for the company's activities from research and development up to production and marketing. We are strongly committed to continue investing in R&D aiming to provide high quality products that are technologically advanced, and in addition to design new products that the rapidly changing sheet metal industry demands.

Our mission is to provide a complete range of high quality sheet metal processing machines to our customers through continuous development and innovation.



# Why Boschert Gizelis?

- ↘ Large stroke & daylight standard even in basic models!
- ↘ Long experience on bending and shearing, Tradition & Reliability.
- ↘ Great tooling and general product oriented advice & support.
- ↘ Direct service line and continuous customer support.

## Bending by Boschert - Gizelis

### Press Brake Series

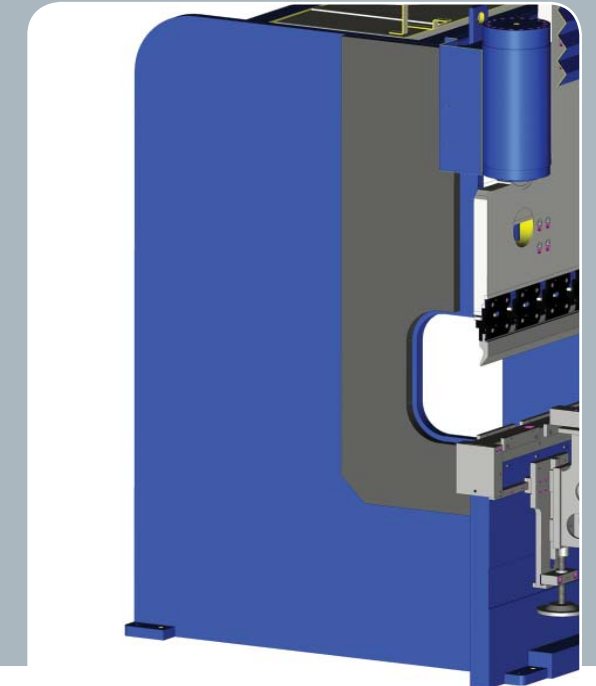
**G BEND**<sup>®</sup> High level press brakes, with higher class equipment and components.

**G MASTER**<sup>®</sup> State of the art press brakes for the most demanding users.

**G-HD**<sup>®</sup> Heavy duty machines for large loads  $\geq 330$  ton with very rigid frame, for heavy duty applications.



Upper and lower double roller bearing for accurate, rigid and fast beam movement.



Additional outer welded steel side frame for increased machine rigidity, and minimum deformations.



Back gauge with double linear guides on every axis.



Special Designed Stop Fingers for high Accuracy and maximum Flexibility even for conical bends

## Standard equipment

- Swing beam hydraulic shear.
- Heavy duty, rigid all welded steel frame.
- Material Hold-down pressure adjustment proportionally to cutting pressure.
- Colour Touch Screen 10,4.
- Programmed cutting length.
- More hold downs near the squaring arm for better holding & cutting of small parts.
- Automatic programmable high speed CNC back gauge with AC servomotor.
- Precise illumination of the cutting line.
- Special cutting blades made for steel and stainless steel (German origin).
- Ball casters on the table.
- Front guard with 1 swivelling part and safety switch.
- Rear fence equipped with photoelectric guards.
- 2 X front sheet supports 1m each with linear scale.
- 1 X squaring angle 1m with linear scale.
- Electrical parts Siemens, Telemecanique.
- Hydraulic Parts BOSCH-REXROTH.



1m Squaring Arm with linear scale



Front guard with 1 swivelling part.



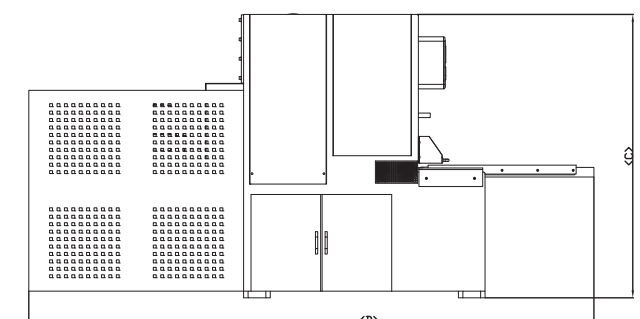
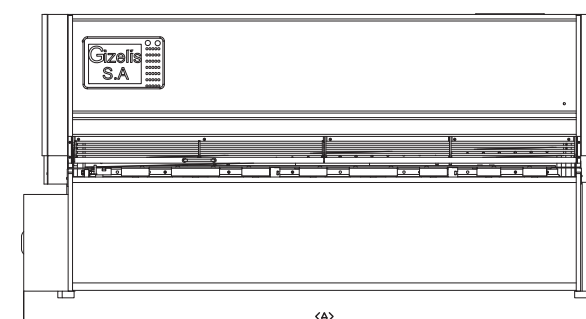
Colour Touch Screen 10,4.



Front Supports (2 pieces) with 1m length.

		G Cut® CNC 2504	G Cut® CNC 3006	G Cut® CNC 3010	G Cut® CNC 3013	G Cut® CNC 3016	G Cut® CNC 3020	G Cut® CNC 4006
Maximum cutting thickness mild steel st42	[mm]	4	6	10	13	16	20	6
Maximum cutting thickness stainless steel	[mm]	2	4	6	8	10	12	4
Maximum cutting length	[mm]	2600	3100	3100	3100	3100	3100	4100
Throat depth	[mm]	155	180	210	210	260	260	180
Back gauge stroke	[mm]	1000	1000	1000	1000	1000	1000	1000
Cutting angle	degrees	1.1	1.25	1.79	1.97	2.33	2.5	1.36
Maximum hydraulic pressure	[bar]	255	255	255	255	255	255	255
Main Motor Power	[KW]	7.5	11	22	22	30	37	11
Length	[mm]	2940	3820	3820	3820	3820	3820	4820
Width	[mm]	3470	3835	4025	4025	4455	4455	3835
Height	[mm]	1710	1820	1980	2150	2455	2500	1950
Weight	[Kgr]	5200	7000	10500	13000	17000	21500	11000

		G Cut® CNC 4010	G Cut® CNC 4013	G Cut® CNC 4016	G Cut® CNC 4020	G Cut® CNC 6006	G Cut® CNC 6010	G Cut® CNC 6013
Maximum cutting thickness mild steel st42	[mm]	10	13	16	20	6	10	13
Maximum cutting thickness stainless steel	[mm]	6	8	12	16	4	6	8
Maximum cutting length	[mm]	4100	4100	4100	4100	6100	6100	6100
Throat depth	[mm]	220	220	220	220	305	305	305
Back gauge stroke	[mm]	1000	1000	1000	1000	1000	1000	1000
Cutting angle	degrees	1.64	2.18	2.18	2.32	1.5	1.5	1.5
Maximum hydraulic pressure	[bar]	255	255	255	255	255	255	255
Main Motor Power	[KW]	22	30	30	37	15	22	30
Length	[mm]	4820	4890	4820	5100	6900	6900	6940
Width	[mm]	4025	4385	4500	4500	4445	4470	4500
Height	[mm]	2065	2216	2470	2800	2220	2300	2346
Weight	[Kgr]	15000	18000	24000	28000	22000	28000	36000



## Optional Equipment

### Sheet Support and Return to the Front (RTF) System

✎ The sheet support system is needed for cutting of thin sheet metals and big in width strips.

In these cases the strip gets stretched by its weight with main results the wrong stop in the back gauge (so wrong measures) and very bad optical cutting result because the first part of the cutting strip will be distorted by its weight.

✎ By activating the function of RTF, the cut out doesn't fall at the back side of the shear it returns to the shear operator.



**Position 1:** Supports the sheet on the back gauge (in the full cutting length). It is not possible the sheet stretch.



**Position 2:** Goes down, approximately of 100mm, stops, waiting for the whole length to be cut, not leaving the sheet to bend to the floor.



**Position 3:** Goes down even more, taking a 45° position, guiding the sheet outside the working area of the shear.

### NSC System Narrow Strip Cutting

✎ With the use of this function, there is the ability to cut a very narrow strip, avoiding any kind of distortion.

Consequently, we are able to cut a strip of 40mm width from 8mm mild steel, in any length without the phenomenon of distortion. The operator inputs the desired value of the back gauge according to the sheet width; then places the sheet metal to the reference of the back gauge, and he selects from the touch screen the strip's width of the metal sheet, which he wants to cut. Finally he selects the number of the strip's we wants to extract from the sheet. The back gauge then automatically takes out the sheet metal through several steps (according to the number of strips) which correspond to the width that he has selected. The strip is taken out by the operator from the front side of the hydraulic shear. In order for this function to be activated, RTF function should be also activated.

Finally, NSC function is activated / deactivated easily through the touch screen.



### MPF System Movable Front Panel

✎ One more unique characteristic of our Shearing machines; by this option the front panel is movable towards the cutting length of the machine.

So as the operator is able to work with the Touch panel even if he cuts to the end of the machine.

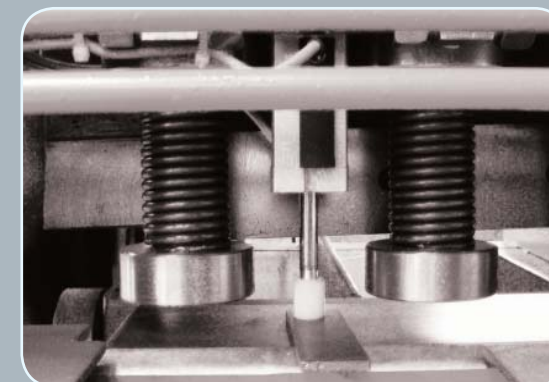


### ATM System Automatic Thickness Measurement

✎ This is a unique feature which is driving the machine to a premium level of technology.

In order to avoid mistakes on the clearance adjustment by the operator, the machine is equipped with a special sensor which automatically measures the material thickness.

Immediately the measured thickness it is appeared in the Touch panel and the clearance is been set automatically. This function is easily enabled or disabled through the control panel.



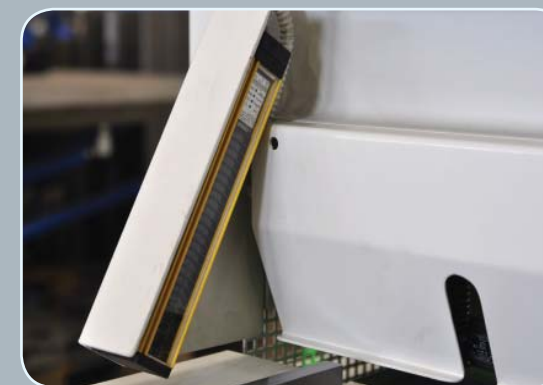
### MFS System Movable Front Supports

✎ An additional unique option of our Shearing cutting machines by this option the two (2) front supports are independently movable towards the cutting length, so as the operator to be able to move the front supports and adjust them according to the length of his sheet metal.



## Optional Equipment

Front Protection  
with Light Guards



Brushes on table  
and supports



Adjustable  
Goniometer for  
angle cutting



Chute for small  
pieces



Transport Belts



Extended Front  
Supports



Two (2) axes Back  
Gauge, X1-X2, for  
angle cutting



# Product Range

↘ Boschert-Gizelis combined product range now covers a large variety of machines required in the sheet metal processing industry namely press brakes, shears, punching and notching machines, combined machines, portal type oxy & plasma cutting. On top of these products Boschert-Gizelis group is able to manufacture special machines on demand.

# After Sale Services

↘ Teleservice 5 days a week.  
↘ Service stations covering major geographical areas:

- ↘ Germany
- ↘ Greece
- ↘ France
- ↘ Poland
- ↘ Russia
- ↘ India



One Group  
One Deal  
One service center  
One Partner





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