

G_{CUT}[®] CNC Series

Standard equipment

- Swing beam hydraulic shear
- Heavy-duty, all-welded-steel rigid frame
- Hold-down pressure adjustment depending on cutting pressure
- Colour Touch Screen 10,4"
- Programmed cutting length
- Close hold-downs near the squaring arm for better small-part holding & cutting
- High-speed CNC back gauge with AC servomotor
- Precision lighting on the cutting line
- Specially-made cutting blades suitable for both steel and stainless steel
- Ball casters on the table
- Finger-protection safety fence (accessible)
- Safety system on the back including side doors and photocells
- Front-sheet supports 1m each with linear scale
- 1x squaring arm 1m with linear scale
- Electric parts by Siemens, Telemecanique
- Hydraulic parts by BOSCH-REXROTH





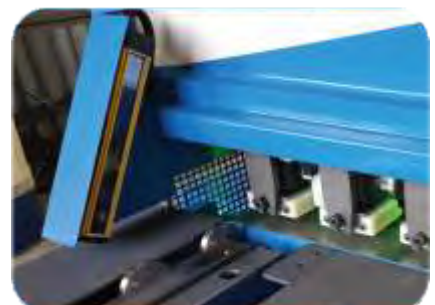
Movable Front Supports (optional)



Specially-designed rectangular hold downs, suitable for cutting narrow stripes (optional)



Colour Touch Screen 10.4", movable along machine's length (optional)

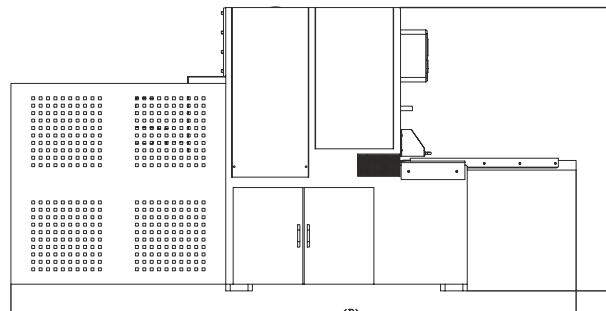


Finger protection with light guards (optional)

| | | 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] | 1.26 | 1.42 | 1.79 | 1.97 | 2.33 | 2.85 | 1.49 |
| Maximum hydraulic pressure | [bar] | 255 | 255 | 255 | 255 | 255 | 255 | 255 |
| Main Motor Power | [kW] | 7.5 | 11 | 15 | 22 | 30 | 37 | 11 |
| Length | [mm] | 3450 | 3950 | 3950 | 3950 | 3950 | 3950 | 4950 |
| Width | [mm] | 3500 | 3900 | 4100 | 4500 | 4500 | 4500 | 3900 |
| Height | [mm] | 1950 | 1950 | 2050 | 2200 | 2550 | 2550 | 2050 |
| Weight | [kg] | 5900 | 8300 | 10500 | 13000 | 17000 | 24000 | 11800 |

| | | 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 | 10 | 12 | 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] | 1.91 | 2.05 | 2.18 | 2.20 | 1.46 | 1.5 | 1.5 |
| Maximum hydraulic pressure | [bar] | 255 | 255 | 255 | 255 | 255 | 255 | 255 |
| Main Motor Power | [kW] | 15 | 22 | 30 | 37 | 15 | 22 | 30 |
| Length | [mm] | 4950 | 4950 | 4950 | 5200 | 6950 | 6950 | 6950 |
| Width | [mm] | 4100 | 4500 | 4800 | 4800 | 4100 | 4500 | 4500 |
| Height | [mm] | 2000 | 2250 | 2550 | 2700 | 2000 | 2400* | 2400* |
| Weight | [kg] | 15000 | 16800 | 24000 | 28000 | 22000 | 28000 | 36000 |

*The machine is partially in the ground. (special foundation required)



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OPTIONAL EQUIPMENT

RSS System: Rear Sheet Support (optional)

➤ The RSS System is essential for cutting thin sheet-metals and wide strips because while the sheet-metal is put in the shear, due to its weight, it bends and it stops at the wrong position on the back gauge. Thus, it is mis-measured and wrongly as well as badly cut. Applying RSS System, the sheet-metal is properly supported at the back, so it:

- does not bend
- is properly positioned on the back gauge so accurately measured and rightly cut



Position 1: Thanks to the RSS System, the sheet-metal is supported on the back gauge and does not bend.



Position 2: The RSS moves downward about 150mm, stops and takes the entire sheet-metal to be cut so that the cut stripe does not bend due to its weight and touch the floor.



Position 3: The RSS moves even further while inclining so that the sheet-metal moves out of the machine.

RTF System: Return to the front

➤ If someone would like to cut a sheet-metal the 'traditional' way, the cut (clean) piece of sheet-metal would come out at the back of the shear and fall on the floor. This way, the sheet-metal may hit other – already cut – sheet-metals or fall on the floor. Consequently, marks or scratches may be caused on the piece; no one wants this to happen, especially when it comes to manufactures of materials such as stainless steel or steel. In both cases, any mark on the surface of the piece must be avoided. While applying RTF System, the cut piece does not fall down at the back of the shear. On the contrary, it returns directly to the hands of the operator at the front!

This means:

- No mark on the surface
- No scratches
- Time-saving since the operator doesn't have to leave his place to collect the piece at the back of the machine.

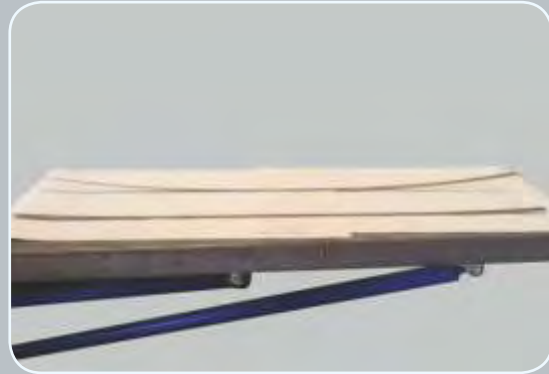
**Sheet-Support-System installation required*

NSC System: Narrow Strip Cutting

➤ The application of the innovative NSC System offers the operator the capability to cut narrow strips without being deformed.

The operator programs how many strips are needed, e.g. 4 stripes, 30mm wide each, and the system will automatically cut them, return them to the operator at the front flat with no deformation whatsoever.

**Sheet-Support-System installation required*



MPF System: Movable Front Panel

➤ A unique feature of the shears produced by Gizelis is that the front panel is movable along the machine. Thus, the operator works while having the panel in front of him even if he cuts a sheet-metal at the other end.



ATM System: Automatic Thickness Measurement

➤ While setting the gap between the blades (clearance), the operator may mistype or set the wrong material thickness. In order to avoid this, the machine is equipped with a special sensor which automatically measures the material's thickness. The right figures appear on the panel and the clearance is set automatically.



MFS System: Movable Front Supports

➤ The two front supports can be moved manually, yet separately, along the machine so that the operator adjusts them according to the length of the metal piece.



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OPTIONAL EQUIPMENT

Brushes on table
and supports



Chute for small pieces



Extended Front
Supports



Product Range

➤ Boschert-Gizelis' combined product range covers a large variety of machines, necessary for the sheet-metal processing industry, such as press brakes, shears, punching and notching machines, combined machines, portal type oxy and plasma cutting as well as laser-cutting machines. On top of these, Boschert-Gizelis Group can manufacture specially-made machines upon request.



Front Protection
with Light Guards



Adjustable Goniometer
for angle cutting



Transport Belts



2-axis Back Gauge,
X1-X2, for angle
cutting

