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Cutting

Cutting



EcoCut
MultiCut
VarioCut

The manufacturer reserves the right to modify the specified values, options, and technology at any time.

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Advantages of the EcoCut

- ✓ Vertically guided cutting beam
- ✓ Numerically controlled back gauge system
- ✓ Hand protection folding upwards
- ✓ Cutting line illumination
- ✓ Hold-down devices with protective covers made of synthetic material
- ✓ Safety: protective railings, hand protection, light barrier
- ✓ Easy handling package (option)
- ✓ Control system for hold-down devices (option)

Exact cutting with the control system for holding-down devices
The holding-down devices ensure that the sheet metal cannot shift. In order to be able to precisely cut even very thin sheet metal, the hold-down devices can be applied until the cutting beam has moved upwards.

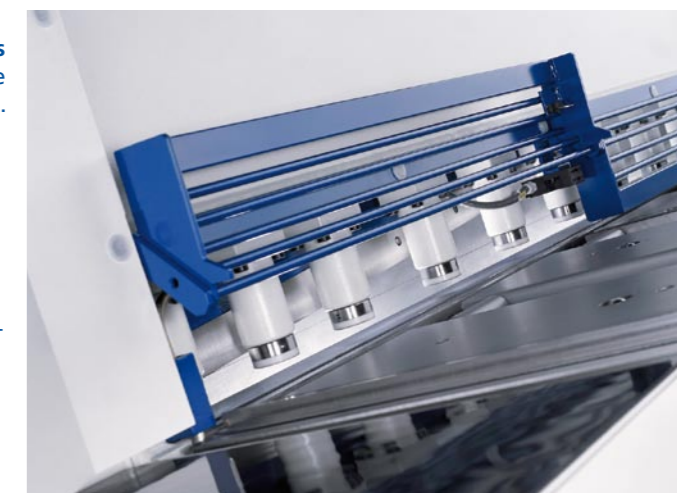
If you want to cut upon scribe, use a ghost line, which is projected onto the sheet metal in order to position the sheet metal. As soon as the sheet metal is positioned correctly, you set the holding-down devices.

Angular with adjustable angle limit stop

The angle limit stop can be continuously adjusted between 0° and 180° and ensures the exact positioning of the sheet metal.

Reverse cutting with the stop aid

The good parts leave the machine not at the rear but at the front. And that's the way it works: A swivel front gauge is mounted in the T-groove of the support bracket which then serves as front gauge.



EcoCut

| | EcoCut 10-30 | EcoCut 13-30 | EcoCut 16-30 |
|---|----------------|----------------|----------------|
| Cutting capacity ¹ | 0.7 – 10 mm | 0.7 – 13 mm | 0.7 – 16 mm |
| Cutting length | 3050 mm | 3050 mm | 3050 mm |
| Cutting edge ahead/under | 2 / 4 | 2 / 4 | 2 / 4 |
| Cutting angle | 1 – 4° | 1 – 4° | 1 – 4° |
| Back gauge system | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm |
| Drive motor | 15 kW | 18.5 kW | 22 kW |
| Oil level (approx.) | 240 l | 300 l | 380 l |
| Weight (approx.) | 6300 kg | 7800 kg | 9200 kg |
| Length x depth ² | 4025 x 2260 mm | 4325 x 2310 mm | 4380 x 2305 mm |
| Height | 2000 mm | 2100 mm | 2215 mm |
| Number of hold-down devices | 13 | 13 | 13 |
| Space between bottom blade and hold-down device | 25 mm | 29 mm | 29 mm |
| Diameter of holding-down device | 60 mm | 92 mm | 92 mm |

¹Thickness of sheet steel at 450 N/mm²

²With standard support brackets and protective enclosure

EcoCut – robust and down-to-earth.

Consider the following: Do you need guillotine shears that are extremely robust? And they should be inexpensive? Then the EcoCut is just right for you - our machine series for newcomers.

The EcoCut reliably cuts all kinds of the sheet metal without demanding a great deal.

The machine conception is uncomplicated so that it can be operated by almost anybody without prior knowledge. Even after numerous years, an EcoCut will cut with the same precision and reliability as on the first day. This is due to the fact that EcoCut machines are equipped with a special type of top blade rail.

The blade is mounted on a block, which counteracts to deformation by means of tension and pressure screws. This guarantees exact parallelism.

Best quality at an entry-level price.





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Advantages of the MultiCut

- ✓ Automation is possible
- ✓ Sheet metal lifting support
- ✓ Sheet metal recycling
- ✓ Chute for small parts
- ✓ Intelligent control system
- ✓ Set of blades with 4 cutting edges
- ✓ Programmable pressure of hold-down devices
- ✓ Programmable cutting length
- ✓ Easy handling package (option)
- ✓ Control system for hold-down devices (option)

Intelligent programming

Efficient operation is possible only in combination with a sophisticated control and handling technology that is exactly adapted to the machine. The technology of the MultiCut machine is uncomplicated and clearly arranged. Programs are generated with the help of integrated material databases, which facilitates programming very much. In addition, the control elements are designed in such a way that they can easily be manipulated with gloves.

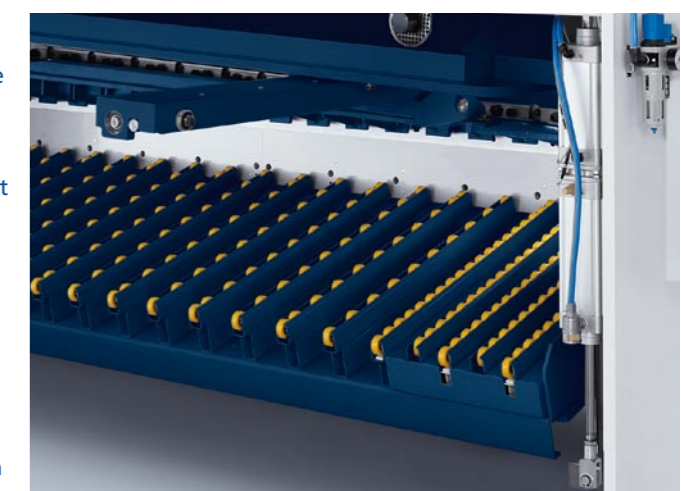
Increase productivity

The sheet metal lifting support is located at the rear of the machine and supports long, thin, thick and heavy sheet metal. This device ensures that they all butt against the back gauge system and are cut true to size.

After the cut, the roller table of the sheet metal lifting support is lowered and inclined towards the rear so that the sheet metal can slide off. The cut sheet metal is then picked up by pallets or fork lift trucks. Small parts, trimmed parts or waste parts fall through a slot into the scrap container.

Save time with the hand protection equipped with light curtain

The light curtain replaces the hand protection and makes feeding of the sheet metal faster and provides more freedom.



MultiCut

| | MultiCut 06-20 | MultiCut 06-30 | MultiCut 06-40 | MultiCut 10-30 | MultiCut 10-40 | MultiCut 16-20 | MultiCut 16-30 | MultiCut 16-40 | MultiCut 20-30 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Cutting capacity ¹ | 0.7 – 6 mm | 0.7 – 6 mm | 0.7 – 6 mm | 0.7 – 10 mm | 0.7 – 10 mm | 0.7 – 16 mm | 0.7 – 16 mm | 0.7 – 16 mm | 0.7 – 20 mm |
| Cutting length | 2050 mm | 3050 mm | 4050 mm | 3050 mm | 4050 mm | 2050 mm | 3050 mm | 4050 mm | 3050 mm |
| Back gauge system | 0.5 – 2.5° | 0.5 – 2.5° | 0.5 – 2.5° | 0.5 – 2.5° | 0.5 – 2.5° | 0.5 – 2.5° | 0.5 – 2.5° | 0.5 – 2.5° | 0.5 – 2.5° |
| Rear stop | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm |
| Drive motor | 11 kW | 11 kW | 15 kW | 18.5 kW | 22 kW | 22 kW | 22 kW | 22 kW | 22 kW |
| Oil level (approx.) | 140 l | 140 l | 300 l | 300 l | 300 l | 300 l | 300 l | 300 l | 400 l |
| Weight (approx.) | 5600 kg | 7200 kg | 9000 kg | 10000 kg | 15000 kg | 10700 kg | 13000 kg | 16000 kg | 16000 kg |
| Length x depth ² | 3070 x 2155 mm | 4070 x 2155 mm | 5060 x 2205 mm | 4080 x 2165 mm | 5205 x 2320 mm | 3205 x 2320 mm | 4205 x 2320 mm | 5205 x 2320 mm | 4405 x 2325 mm |
| Height | 1900 mm | 1900 mm | 2000 mm | 2060 mm | 2100 mm | 2025 mm | 2025 mm | 2025 mm | 2250 mm |
| Number of hold-down device | 14 | 20 | 26 | 14 | 21 | 9 | 13 | 17 | 16 |
| Distance between bottom blade and hold-down device | 22.5 mm | 22.5 mm | 22.5 mm | 25 mm | 25 mm | 24 mm | 24 mm | 24 mm | 24 mm |
| Diameter of holding-down device | 45 mm | 45 mm | 45 mm | 60 mm | 60 mm | 92 mm | 92 mm | 92 mm | 92 mm |

¹Thickness of sheet steel at 450 N/mm²

²With standard support brackets and protective enclosure

MultiCut – our all-rounder

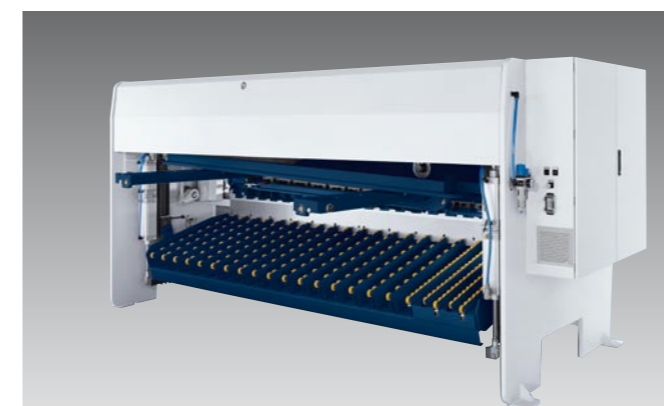
Do you want to equip your new guillotine shears with everything you need for your production?

If so, opt for MultiCut. This machine is particularly well suited for high-precision sheet metal blanks and series production.

The MultiCut includes all the functions of the EcoCut and numerous others. Many functions of the MultiCut are automated such as for example adjustment of the blade clearance or cutting angle. These are important advantages of the MultiCut in comparison to the EcoCut.

Integrated handling systems such as the sheet metal lifting support or the automatic retracting of sheet metal at the machine front guarantee a high operational capacity.

Modular system for increased flexibility.



Advantages of the VarioCut

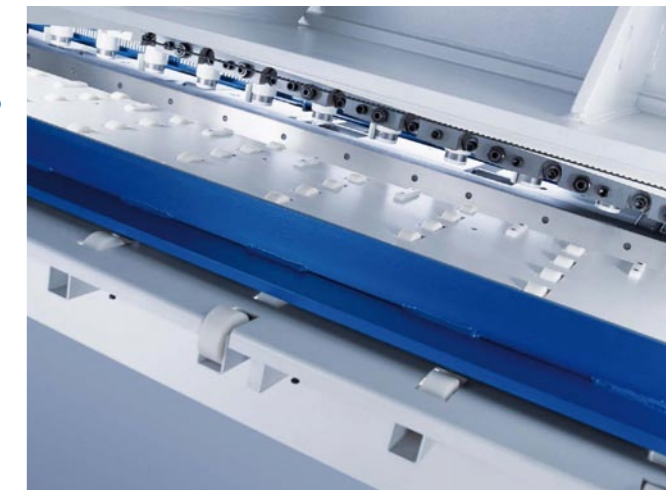
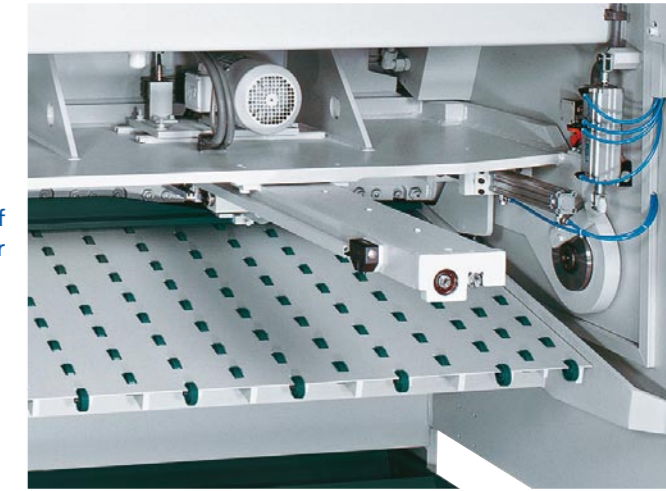
- ✓ Swing beam shears
- ✓ Flexible sizes
- ✓ Automation
- ✓ Integration in installations

Constant cutting.

The VarioCut includes hydraulically-driven swing beam shears. The number of strokes per minute is constant as well as the cutting angle. Depending on the material thickness, the blade clearance is adjusted by means of an eccentric located in the center of rotation of the cutting beam.

Automation and integration.

The VarioCut ensures optimum sheet metal handling from the positioning of the sheet metal to be cut to the transfer to the outside and further transportation of the machined parts.



Flexibility.

The machines of the VarioCut series are custom-made for you according to your requirements. Sheet metals with a thickness of up to 20 mm and a length of up to 8 m can be machined.



VarioCut

| | VarioCut 04-60 | VarioCut 04-80 | VarioCut 06-60 | VarioCut 06-80 | VarioCut 8-60 | VarioCut 08-80 | VarioCut 10-60 | VarioCut 10-80 | VarioCut 16-60 | VarioCut 16-80 |
|--|----------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|
| Cutting capacity ¹ | 0.7 – 4.0 mm | 0.7 – 4.0 mm | 0.7 – 6.0 mm | 0.7 – 6.0 mm | 0.7 – 8.0 mm | 0.7 – 8.0 mm | 0.7 – 10 mm | 0.7 – 10 mm | 0.7 – 16.0 mm | 0.7 – 16.0 mm |
| Cutting length | 6050 mm | 8050 mm | 6050 mm | 8050 mm | 6050 mm | 8050 mm | 6050 mm | 8050 mm | 6050 mm | 8050 mm |
| Cutting angle ² | 1° | 1° | 1°15' | 1°15' | 1°15' | 1°15' | 1°20' | 1°15' | 1°30' | 1°35' |
| Rear stop | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm | 10 – 1000 mm |
| Drive motor | 11 kW | 15 kW | 15 kW | 15 kW | 22 kW | 22 kW | 30 kW | 45 kW | 45 kW | 55 kW |
| Oil level (approx.) | 250 l | 300 l | 300 l | 300 l | 480 l | 480 l | 650 l | 900 l | 900 l | 1000 l |
| Weight (approx.) | 20900 kg | 49500 kg | 24200 kg | 60500 kg | 28600 kg | 66000 kg | 34100 kg | 73700 kg | 52800 kg | 99000 kg |
| Length | 6800 mm | 8900 mm | 6900 mm | 9000 mm | 6930 mm | 9050 mm | 6900 mm | 9100 mm | 7000 mm | 9100 mm |
| Depth ³ | 2375 mm | 2650 mm | 2350 mm | 2900 mm | 2445 mm | 2900 mm | 2445 mm | 3000 mm | 2850 mm | 3150 mm |
| Height | 2370 mm | 2750 mm | 2500 mm | 2700 mm | 2335 mm | 2700 mm | 2560 mm | 2900 mm | 2800 mm | 3000 mm |
| Number of hold-down device | 31 | 41 | 31 | 41 | 31 | 41 | 25 | 33 | 25 | 33 |
| Distance between bottom blade and hold-down device | 23 mm | 25 mm | 30 mm | 30 mm | 30 mm | 50 mm | 29 mm | 29 mm | 34 mm | 44 mm |
| Diameter of holding-down device | 46 mm | 60 mm | 60 mm | 60 mm | 60 mm | 60 mm | 92 mm | 92 mm | 92 mm | 92 mm |

¹Thickness of sheet steel at 450 N/mm²

² Depends on length

³With standard support brackets and protective enclosure

VarioCut – cut to measure.

Your new guillotine shears shall leave nothing to be desired as to size and equipment?

You want to integrate the guillotine shears into an automated series production? Then you should order a customized VarioCut machine.

The VarioCut is available in many sizes and can be automated almost without limitation for series production and also be integrated into cutting centres (e.g. with conveying systems). We are looking forward to noting down your ideas and will develop the gate shears that exactly correspond to your requirements.

Individual – particularly for you.

