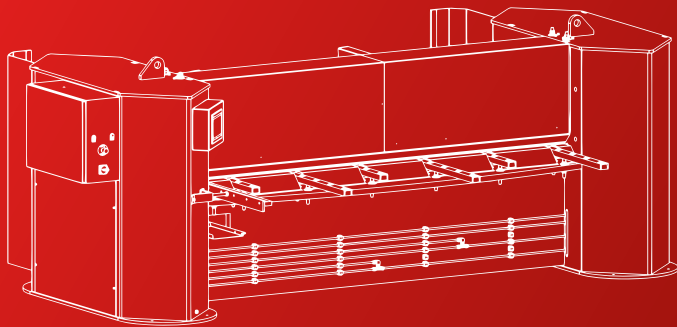


FULL HYDRAULIC PLATE SHEARS

The perfect machine for every demand



- > Latest technology for accurate cutting
- > Every machine is being engineered and manufactured in Germany
- > Ideal price-performance ratio

> CHOOSING US WILL PAY OFF

Good reasons for a successful partnership



Decades of experience

The industrial history of the Ennepe-Ruhr-Area is inextricably linked with the name Hochstrate as an entrepreneur and a supplier of machine components for coal mining.

Despite the fact that many companies went bankrupt after the decline of coal mining, Dr. Hochstrate group managed to deal with a completely altered market situation. We captured an important market segment in the sheet metal processing industry.

About 40 years ago, we developed a modern hydraulic driven bending machine. Some years later we increased our portfolio by developing a full hydraulic plate shear.

Since then we have improved our machines continuously. In collaboration with local universities and colleges we increased and optimized the range of functions as well as the precision of our machines.

Our machines are setting new standards!

An individual machine for your demands

We would be pleased to advise you choosing from 121 basic machines which can be equipped with more than 20 special features. Our established modular system allows us to offer you a machine perfectly fitting your demands.

We will gladly create an individual solution for your special requests. Using a basic machine you can already perform a large variety of cutting tasks.

By choosing additional features you can equip your machine with every component that is required in your production.

By customizing a basic machine you get an ideal machine for a wide scope of application.

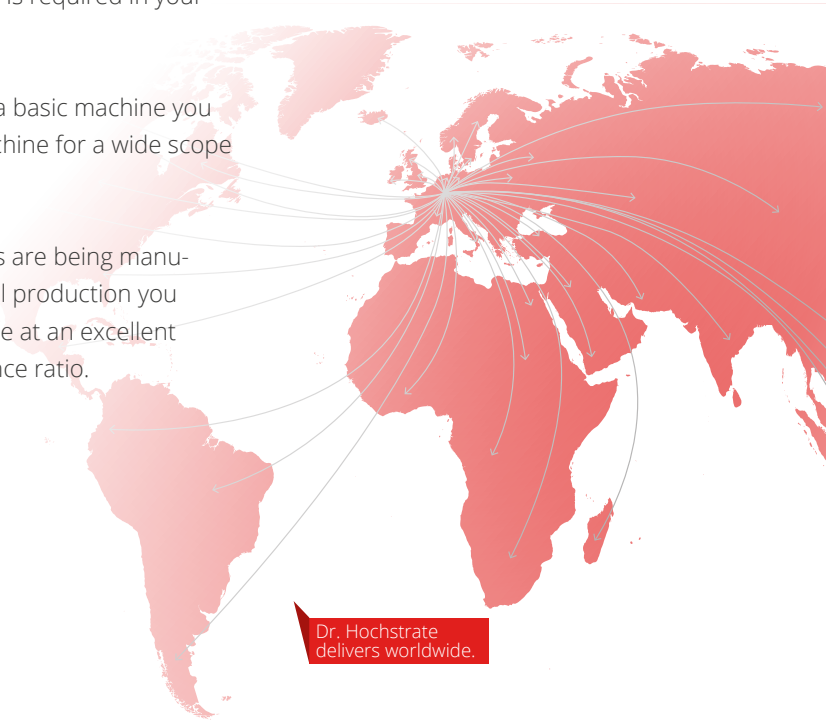
As our machines are being manufactured in serial production you get your machine at an excellent price-performance ratio.

German quality and satisfied customers worldwide

Every machine is being engineered, manufactured and tested in Germany. We believe this is the only way of reaching and sustaining a level of quality and reliability you expect from our machines.

Thanks to our efficient and lean serial production we are able to offer you every machine at the best price-performance ratio. Satisfied customers worldwide prove us right.

Make your decision for a machine "Made in Germany"!



Dr. Hochstrate delivers worldwide.

> INCREASE YOUR EFFICIENCY

Advantages of a Dr. Hochstrate bending machine

- > **Accurate Cutting**
- > **Convenient operation**
- > **Very low in maintenance**

Our plate shears are known for a sturdy and robust welding and bending construction. This leads to a reduction in weight compared to conventional machines. The result of an ongoing development of the Dr. Hochstrate Maschinenbau® full hydraulic plate shears is the highest accuracy in cutting.

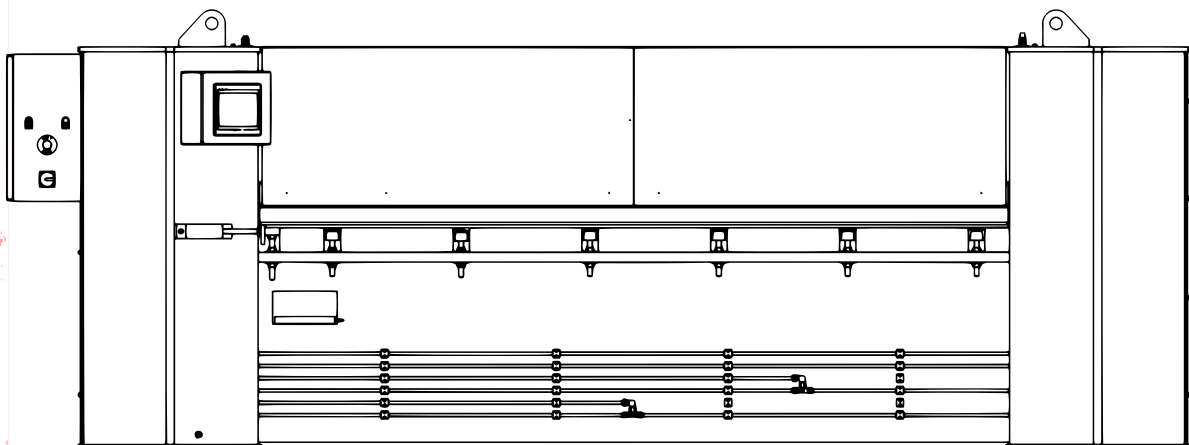
From the beginning a very easy and comfortable handling of the machine was extremely important to us. As a result we chose to have our machines equipped with an intuitive touchscreen without any extra charge. You benefit from a very short training period for your operating staff and a handling unsusceptible to errors. You save time and money. The low maintenance hydraulic technology results in an extremely versatile machine.

As acknowledged experts we have special shear blades for your respective field of application available. Specific sharpening of blades e.g. for copper or aluminium and extra hardened blades for long

term use in cutting stainless steel guarantee a perfect cutting result. On demand we equip your machine with lay-on arms with synthetic coating or ball casters made from steel or teflon for perfect protection of the surface of your metal sheets. Using a Dr. Hochstrate plate shear you can cut almost every material from mild or stainless steel over aluminium and copper to sensitive synthetic materials and even textile materials. Every cut is being performed fast and exact.

Additionally we offer an individual solution for the removal of the sheets. You can choose to have a chute plate for cutting smaller parts on the control side of the machine and collect them in a box. Also you can have your machine equipped with a conveyor belt with an optional stacking system to collect your sheets on a pallet and easily remove them. Alternatively a motorized adjustable sheet chute allows to remove the sheets either from the front or from the rear.

We offer the perfect solution for an optimal integration of the plate shear into your production.



> FOR SURE THE RIGHT CHOICE

What machines are available?

Technical specifications:

Capacity in width	500 to 8000 mm
Sheet thickness	1 to 25 mm
Materials	Mild steel, Stainless steel, copper, lexan, molybdenum, magnesium, aluminium, plastics



Extensive standard equipment:

- > Convenient 10" touchscreen and Siemens-Control
- > Sturdy steel and welded construction - built for the golden section
- > Continuous automatic hold-down in a short distance from the knife to prevent the prints to be cut into sheets and protect the surface
- > Safe finger protection and a clear view of the clippings by modern transparent finger guards
- > Modern cutting line with best lighting with LED technology
- > Protection of the back gauge area by light barrier monitoring
- > Sturdy side arm 1000 mm with scale and support arms
- > Foot pedal with emergency stop switch and safety line
- > Rotatable blades with two/four sharp cutting edges
- > Fast and easy change of blades
- > Single or continuous stroke
- > Hydraulic oil included
- > CE-Certificate

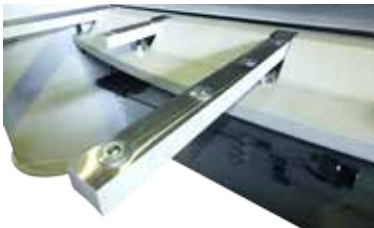


> THE IDEAL CONFIGURATION

Overview of optional accessories and equipment



Motorized back gauge



Lay-on arms with ball casters



Conveyor belt



Conveyor belt and extended sheet support system



Infinitely adjustable angle stop

Extensive special equipment:

- > Motorized back gauge – 1000 mm with convenient touchscreen control
- > Extension of the motorized back gauge to 1250 mm
- > Hydraulically controlled sheet support system (recommended for thin sheets)
- > Conveyor belt
- > Conveyor belt with sheet support system
- > Conveyor belt with stacking function
- > Hydraulic adjustable sheet chute for removal of the sheets either from the front or from the rear
- > Small parts chute
- > Adjustable cutting angle
- > Automatic adjustment of cutting angle
- > Adjustable blade gap
- > Motorized blade gap adjustment
- > Motorized blade gap adjustment with integrated sheet thickness detection
- > Angle stop up to 180°
- > Lay-on arms with ball casters (steel or Teflon)
- > Continuous adjustable cutting length
- > Cutting gap illumination with laser for visualization of the cutting line
- > Replacement knives / Set upper- and lower knife
- > Blades for cutting aluminium
- > Blades for cutting stainless steel
- > Additional accessories are available on demand

> THE BEST MACHINE FOR YOU

Overview of machines

Sheet thickness in mm ↓		Capacity in width in mm					
		500	1000	1500	2000	2500	3000
Plate shear in standard configuration	2	✓	✓	✓	✓	✓	✓
	3	✓	✓	✓	✓	✓	✓
	4	✓	✓	✓	✓	✓	✓
	5	✓	✓	✓	✓	✓	✓
	6	✓	✓	✓	✓	✓	✓
	8	✓	✓	✓	✓	✓	✓
	10	✓	✓	✓	✓	✓	✓
	12	✓	✓	✓	✓	✓	✓
	15	✓	✓	✓	✓	✓	✓
	16	✓	✓	✓	✓	✓	-
	18	✓	✓	✓	✓	-	-
	20	✓	✓	✓	-	-	-
	25	✓	-	-	-	-	-
Motorized back gauge - 1000 mm		✓	✓	✓	✓	✓	✓
Extension of the back gauge to 1250 mm		✓	✓	✓	✓	✓	✓
Hydraulically controlled sheet support system		✓	✓	✓	✓	✓	✓
Conveyor belt		✓	✓	✓	✓	✓	✓
Conveyor belt with sheet support system		✓	✓	✓	✓	✓	✓
Conveyor belt with stacking function		✓	✓	✓	✓	✓	✓
Hydraulic adjustable sheet chute for removal of the sheets either from the front or from the rear		✓	✓	✓	✓	✓	✓
Small parts chute		✓	✓	✓	✓	✓	✓
Adjustable cutting angle		✓	✓	✓	✓	✓	✓
Automatic adjustment of cutting angle		✓	✓	✓	✓	✓	✓
Adjustable blade gap		✓	✓	✓	✓	✓	✓
Motorized blade gap adjustment		✓	✓	✓	✓	✓	✓
Motorized blade gap adjustment with integrated sheet thickness detection		✓	✓	✓	✓	✓	✓
Angle stop up to 180°		✓	✓	✓	✓	✓	✓
Lay-on arms with ball casters (steel or Teflon)		✓	✓	✓	✓	✓	✓
Continuous adjustable cutting length		✓	✓	✓	✓	✓	✓
Cutting gap illumination with laser for visualization of the cutting line		✓	✓	✓	✓	✓	✓
Replacement knives / Set upper- and lower knife		✓	✓	✓	✓	✓	✓
Blades for cutting aluminium		✓	✓	✓	✓	✓	✓
Blades for cutting stainless steel		✓	✓	✓	✓	✓	✓

Materials: Mild steel, Stainless steel, copper, lexan, molybdenum, magnesium, aluminium, plastics

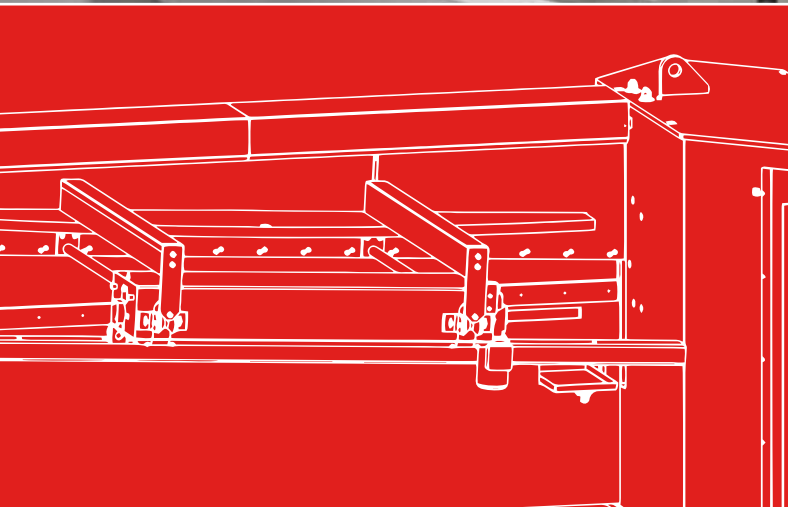
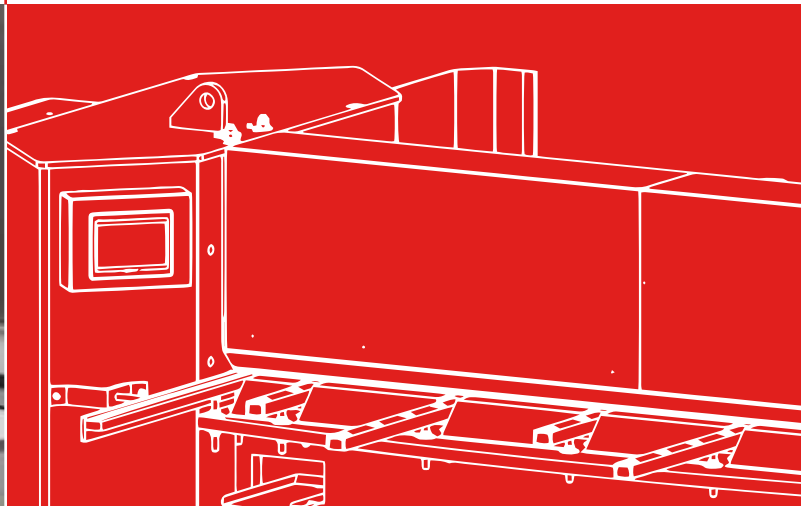
Capacity in width in mm

3500	4000	4500	5000	5500	6000	6500	7000	7500	8000
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	-	-
✓	✓	✓	✓	✓	✓	-	-	-	-
✓	✓	✓	✓	✓	-	-	-	-	-
✓	✓	✓	-	-	-	-	-	-	-
✓	✓	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ = Standard scope of supply

✓ = Available special accessories

- = Not available



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