



SHEARONE



***GUILLOTINE
SHEARING
MACHINE***

 **COASTONE**

SHEARONE

H3000-6 / H4000-6

The CoastOne Hydraulic Guillotine Shears – a state-of-the-art solution engineered to deliver unparalleled precision, efficiency, and reliability. Designed to meet the demands of high-volume industrial applications, this advanced shear system is built to enhance productivity while maintaining superior cutting quality. Engineered for the most demanding environments, this machine is your ultimate partner for superior cutting performance.

Key Benefits:

- **Double Speed Concept:** Revolutionize your production capacity with a 50% increase in cuts per minute, achieving optimal efficiency with half of the original cutting capacity. Maximize throughput without compromising performance.

Cutting Specifications:

- **Maximum Cutting Thickness:** Capable of handling materials up to **6 mm**, ensuring versatility across a wide range of applications.
- **Cutting Lengths:** Available in **3 meters to 4 meters**, offering flexibility for diverse cutting requirements.
- **Low Cutting Angle Design:** Delivers **exceptional cutting quality**, reducing material deformation for flawless results with every cut.
- **Fixed Cutting Angle:** Guarantees **consistent precision** throughout the machine's lifespan, ensuring optimal cutting performance.

Advanced Control Features:

- **Automatic Blade Gap and Stroke Adjustment:** The innovative **NC-controlled system** allows for **seamless, precise adjustments**, adapting effortlessly to varying material thicknesses and cutting demands.
- **Motorized Back Gauge:**
 - **Travel Range:** Achieve **up to 1,000 mm** of back gauge travel for greater flexibility in sheet handling.
 - **Linear Ball Screws:** Experience **smooth, backlash-free movement** that enhances cutting precision and reliability.
 - **Positioning Accuracy:** ± 0.1 mm, ensuring **unmatched precision** for even the most intricate cuts.
 - **Programmable Retract Functionality:** Elevates ease of use with customizable operations tailored to your specific needs.
- **Automatic Swing-Up Feature:** The back gauge effortlessly lifts after 1,000 mm of travel, enabling smooth handling of longer sheets without manual intervention, optimizing workflow efficiency.

Robust Construction:

- **High-Strength Steel Structure:** Designed with **minimal deflection** and optimal resistance, the robust frame ensures **long-term durability** and **maximum performance** under heavy-duty operations.
- Transform your production capabilities with the CoastOne Hydraulic Guillotine Shears – where innovation meets excellence.

- TFT-Display with touch operation
- Manual inching, single and program mode
- Integrated program memory and auto-cutting machine
- Material depending calculation of gap, angle & pressure
- Sheet support and return to front function

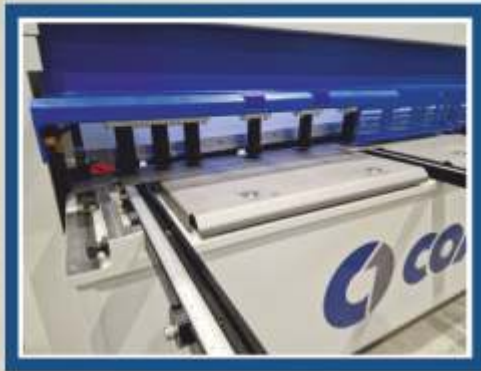


Control & Automation

- Control Unit: ELGO P40T touchscreen NC control unit.
- Backgauge System:
 - 1000 mm NC-controlled, programmable motorized backgauge.
 - Backgauge retract feature for handling sheets longer than 1000 mm.
 - Swing-up backgauge for oversized sheets.
- Blade Adjustment: Automatic blade gap adjustment system.
- Stroke Control: Adjustable stroke from the control panel for efficiency with short cuts.

Cutting Performance

- Double Speed Concept.
- Throat Depth: 250 mm.
- Blade Configuration:
 - Upper blade with two edges.
 - Bottom blade with four edges.
- Illuminated Cutting Line.
- Transfer table with roller balls.



Hold down cylinders:

- Depending on the model, the machine is equipped with 14-18 hydraulic hold-down cylinders, which prevent the material from moving, ensuring an accurate cutting result.
- Multiple cylinders work together to keep the sheets flat and prevents the material from bouncing or getting caught in the blade during the cutting procedure.

Safety Features

- Protective Covers: Front and side protective covers.
- Safety Guards:
 - Front finger guard (1000 mm) with swing-up feature.
 - Rear laser barrier conforming to CE conformity.
- Emergency Stops.
- Foot Pedal.

Build & Maintenance

- Front Support Arms: 1000 mm support arms with ruler scale, T-channel, and flip stops.
- Unique components to reduce maintenance need.

Hydraulic System

- Rexroth/HAWE hydraulic system.



ShearOne technical data

Technical Data	DIM.	H3000-6	H4000-6
Cutting Capacity	450 N/mm	6	6
	700 N/mm	4	4
Cutting Length	A	3100	4000
Cutting Angle	Degree	1,5	1,5
Hold Down Cylinder	Qty	14	18
Cutting Speed/Fast Mode	Hpm	18/23	13/20
Distance Between Columns	mm	3330	4230
Table Height	mm	865	870
Table Width	mm	500	600
Throat Depth	mm	250	250
Backgauge Travel-X Axis	mm	1000	1000
Machine Dimensions	Lenght	4630	5550
	Width	2965	3340
	Height	1990	2165
Oil Tank Capacity	lt	160	250
Motor Power	kWh	11	11
Weight	Tons	6,4	10,8
Control	ELGO P40T touch screen NC control unit		



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