



Prescott
instruments

Bale Cutter

A Trusted Name in Material Testing

- Prescott Instruments Ltd. is a **U.K. company** with **over 30 years' experience** in material testing.
- We manufacture all instruments **onsite in the U.K. under ISO 9001** and our in-house laboratory team perform all **instrument calibrations under ISO 17025**.
- Our **Bale Cutter** stands out as a **laboratory essential** and consistently remains a **leading choice** for rubber testing professionals.
- Its **precision, reliability and durability** make it an indispensable instrument for laboratory professionals worldwide.

Built to Last

- **Durability:** The high-stiffness steel frame of our instruments is robust enough to withstand the demands of a busy production environment with the high precision performance to match.
- **Reliability:** Expertly-crafted construction provides stability and reliability for years to come, making our instruments a sensible investment for the future.

Repeatability and Connectivity



- Our **Bale Cutter** is ideal for laboratory applications, **providing high productivity** by cutting both **natural and synthetic rubbers** into manageable sections.
- This **pneumatic-powered cutter** is equipped with a roll conveyor to assist with **positioning the bale**, and has the flexibility to cut rubber bales into various different sizes.
- A set section size can also be achieved when aligning the bale into the **cutting zone to ensure precise sample preparation**.
- This machine has a **removable back panel**, to allow ease of access for larger sized bales.
- The **easy-to-use system requires a two-handed, simultaneous operation of the conveniently positioned buttons** ensuring a safe working environment throughout the cutting process.
- Once the guard is down the **buttons can be released**, and when the cutter has completed its stroke and the rubber is cut, the guard can be raised by pressing the release button.

Bale Cutter

Technical Specification

Standards	BS EN242: Part 2 D7050
Roller Width x Length	330 mm x 600 mm
Cutting Rubber Width	330 mm
Cutting Rubber Height	140 mm
Stroke of Cutter	150 mm
Total Pressure of Cylinder	1.6 tons (air in 0.5 MPa) 2 tons (air in 0.7 MPa)
Pneumatics	0.5 MPa to 0.7 MPa
Weight	80 kg
Dimensions	500 mm x 700 mm x 934 mm (W x D x H)

Pressure Conversion

Pressure/Units	MPa	Psi	Bar	Kg/Cm2
1.6 ton	0.5	72	5	5.09
2 ton	0.7	102	7	7.14

Safety Aspects

» **Cutting guard** – This will be lowered before the cutting blade follows. If it is obstructed the cutting blade will not be lowered.

» **Emergency release button** – Once the button is pressed, the blade and guards are raised.

» **A fully-enclosed design** – With a transparent safety guard and back panel.

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