

CRA-500 Bias Fabric Cutting Slitting Rolling Machine

The CRA-500 cuts and rolls fabric into 45 degree diagonal rolls, also known as bias fabric or diagonal grain rolls, for use in airway buffing wheel production. It prepares material for the CRA-800 forming machine or similar. The machine handles fabric rolls and produces consistent bias cuts with a paper tube core. One operator runs the machine. It is the first step in the four-machine line: bias cutting on the CRA-500, forming on the CRA-800, pressing on the CRA-600, and edge trimming on the CRA-700.

Specifications

Model	500 Bias Fabric Cutting and Rolling Machine
Weight	300 kg
Rolling Diameter	45 degree diagonal or diagonal grain
Paper Tube Inner Diameter	37 - 37.5 mm
Paper Tube Thickness	Above 2 mm

Key Benefits

- One operator replaces multiple hand cutters and rollers on the bias fabric preparation step
- Produces consistent 45 degree diagonal fabric rolls for repeatable wheel structure
- Handles both soft untreated fabric and resin treated fabric on the same machine
- Paper tube core size 37 to 37.5 mm inner diameter, thickness above 2 mm
- Cuts and rolls fabric in one pass, reducing material waste and handling
- Control interface and machine language are in English so the operator manual matches the panel

Materials It Runs

- Soft untreated cotton fabric
- Resin treated fabric in yellow, blue, green or red
- Sisal cloth and sisal stitched with cloth
- Paper tubes with 37 to 37.5 mm inner diameter, thickness above 2 mm

Frequently Asked Questions

What is the maximum fabric width this machine can handle? 1200mm. For wider fabric, contact us for custom configuration.

What paper tube size does it use? 37 to 37.5 mm inner diameter, thickness above 2 mm. Standard paper tubes are compatible.

Can it cut both bias and straight grain fabric? Yes, it cuts 45 degree diagonal rolls and can be adjusted for diagonal grain rolls.

How many people are needed to run it? One operator. The machine handles cutting, slitting and rolling automatically.

What is the lead time? 5 to 15 workdays if the machine is in stock, otherwise 15 to 60 workdays depending on quantity and model.

What are the payment terms? Orders up to 10000 USD are 100% in advance. Above 10000 USD it is 30% T/T deposit with the balance before shipment.

Can you test my own fabric before I buy? Yes, sample testing is free. You cover the freight and send the specific material you plan to run.