

CRA-300 Airway Buffs Ventilated Buffs Forming Iris Machine (OD 100-250 mm)

The CRA-300 forms small bias airway buffing wheels, also known as ventilated buffs or wood banding wheels, with outer diameters from 100 mm to 250 mm. It takes prepared bias fabric or sisal and an iron claw or iron plate to fold, index and clamp the material into a finished wheel body. One operator runs the machine. It is the forming step in a four-machine line: bias cutting on the CRA-500, forming here, pressing on the CRA-600, and edge trimming on the CRA-700. This machine is designed for small wheels used in jewellery polishing, bench grinders, and edge finishing on wood panels.

Specifications

Model	300 Airway Buffing Wheel Forming Machine
Machine Size	2.4 m x 0.8 m x 1.5 m
Voltage	380 V three phase four wire, customisable
Power	6 kW
RPM of Batching	Adjustable
Max Buff Diameter	250 mm
Min Buff Diameter	100 mm
Finishing Pressure	7 MPa
Moulding Press	7 MPa
Max Output	5000 pieces per day
Operators Required	1

Key Benefits

- One worker replaces a bench of hand folders on the small airway wheel forming step
- Covers the 100 to 250 mm diameter range used in jewellery, bench tools, and wood edge finishing
- Runs soft untreated fabric and resin treated fabric or sisal on the same machine
- Rated output up to 5000 pieces per day on a full shift pattern
- Accepts 2 inch, 2.5 inch iron claws and iron plates with round or hexagon holes
- 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
- Iron claw centres in 2 inch and 2.5 inch
- Iron plate centres with round hole or hexagon hole

Frequently Asked Questions

What diameter of airway buffs can this machine make? From 100 mm to 250 mm outer diameter. For 200 to 600 mm wheels use the CRA-800 instead.

How many people are needed to run it? One operator. The clamping, indexing and trimming are handled by the machine's hydraulic and control system.

What is the daily output? Up to 5000 pieces per day at maximum rate. Real output depends on diameter, ply count and material.

Do I need other machines to make a finished buff? The bias fabric preparation comes before forming, and pressing and edge cutting come after. We supply the CRA-500, CRA-600 and CRA-700 for those steps.

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.