



MANUFACTURING AND PRODUCTION

Corrugated Board Manufacture and Carton Converting

3 day course

Classroom, online or in-house

Course overview

A corrugated box is engineered to carry a load through a distribution chain and is usually specified by whoever is cheapest, which is why so much product arrives crushed. This course covers making board that performs. Delegates work through paper grades, liner and fluting specification, and the properties that predict box performance. The corrugator is covered in operational detail: single facer, glue application, heating and the moisture and temperature balance that decides warp. Starch adhesive preparation and control follow. Board combinations and flute profiles are addressed against the load and printing requirements. Converting follows across die cutting, slotting, folding and gluing, with registration and squareness. Printing is covered at the level a converter needs. Box compression strength is addressed, including the relationship to board grade, stacking and humidity, since strength falls sharply in a humid warehouse. Waste and trim optimisation follow. The course closes on customer specification and on investigating a field failure.

What you will learn

- Specify liner and fluting grades against required performance
- Operate a corrugator and balance moisture and temperature to control warp
- Prepare and control starch adhesive
- Select board combinations and flute profiles for the load
- Convert accurately through die cutting, folding and gluing
- Predict box compression strength including humidity effects
- Optimise trim waste and investigate a field failure

Who should attend

- Corrugator operators and supervisors
- Converting machine operators
- Packaging technologists specifying cartons
- Quality staff testing board and boxes
- Production managers at corrugated plants

Course outline

- 01 Specified by whoever is cheapest
- 02 Paper grades, liner and fluting
- 03 The corrugator and single facer
- 04 Starch adhesive preparation
- 05 Moisture, temperature and warp control
- 06 Board combinations and flute profiles
- 07 Die cutting, folding, gluing and registration
- 08 Compression strength, humidity, trim waste and failures

Upcoming dates

Dates	Venue	Format	Fee per delegate
28 to 30 October 2026	Online	Online	R6,500
23 to 25 November 2026	Maputo, Mozambique	Classroom	USD 995
10 to 12 March 2027	Johannesburg, South Africa	Classroom	R14,950



Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 995** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afiscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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