



MANUFACTURING AND PRODUCTION

Flexographic Printing for Packaging

3 day course

Classroom, online or in-house

Course overview

Packaging print is judged against a brand colour that a customer will compare across substrates, print runs and factories, which makes consistency harder than quality. This course targets consistency. Delegates work through the flexographic process and the role of the anilox roller, which meters ink and therefore sets density before any adjustment is made. Anilox specification, volume and cleaning are covered in detail. Plate making, relief depth and dot structure follow. Mounting and registration are addressed, including the bounce and gear marks that appear at speed. Ink systems are covered across water based, solvent and ultraviolet curing, with viscosity and pH control. Substrate treatment and adhesion are addressed. Colour management follows: measurement, standards, tolerance and the difference between matching a proof and matching the brand. Drying and curing are covered. Defects are diagnosed. The course closes on job set up time, on waste reduction and on approval procedures.

What you will learn

- Explain how the anilox roller sets ink density
- Specify, measure and clean anilox rollers
- Make and mount plates with correct relief and registration
- Control ink viscosity and pH across water, solvent and cured systems
- Treat substrates for adhesion
- Manage colour by measurement against a standard and tolerance
- Diagnose print defects, cut set up time and run approval procedures

Who should attend

- Flexographic press operators and supervisors
- Prepress and platemaking staff
- Colour and quality control staff in printing
- Packaging buyers approving print
- Production managers at packaging converters

Course outline

- 01 Consistency is harder than quality
- 02 The flexographic process and the anilox roller
- 03 Anilox specification, volume and cleaning
- 04 Plate making, relief and dot structure
- 05 Mounting, registration and bounce
- 06 Ink systems, viscosity and pH
- 07 Substrate treatment and adhesion
- 08 Colour management, drying, defects and approvals

Upcoming dates



Dates	Venue	Format	Fee per delegate
7 to 9 December 2026	Lagos, Nigeria	Classroom	USD 995
15 to 17 February 2027	Online	Online	R6,500
22 to 24 February 2027	Durban, South Africa	Classroom	R14,950
8 to 10 March 2027	Cape Town, 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@afriScience.co.za, or WhatsApp us on **+27 63 479 1136**.

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