



Reggiani ecoDENIM Solution

The next chapter
of denim starts here





Denim changed the world once.

Ready for what's next?

In 1873, the first blue jeans changed how the world got dressed. Today, the EFI™ Reggiani ecoDENIM Solution opens the next chapter: denim production with millions of colour possibilities and up to 99% less water and chemicals.

With nothing like it on the market today, the Reggiani ecoDENIM Solution adds a new creative and sustainable capability that lets denim manufacturers offer colours, effects, and designs they've never been able to produce before, with no minimum order quantity and on-demand production that fits into the workflow you already use.

Same denim you know. Now with unlimited possibilities.



Digital colour and a smaller environmental impact

Conventional denim dyeing is one of the most water-intensive steps in apparel production. The EFI Reggiani ecoDENIM Solution applies colour digitally, using up to 99% less water and chemicals and less energy than conventional dyeing – so you can expand your portfolio while reducing environmental impact.

- Up to 99% less water and chemical consumption compared to conventional dyeing
- Lower energy consumption
- Supports GOTS, OEKO-TEX and ZDHC initiatives
- Less overproduction and waste through on-demand manufacturing



Indigo is only the beginning

The Reggiani ecoDENIM Solution brings the full colour range of digital to denim – millions of shades, reproduced with digital accuracy and repeatability. Khakis, greens, pinks, yellows, and colours denim has never worn before. Add textures, patterns, and personalisation, and designers have an entirely new canvas from which to work. Indigo remains the heart of denim. Now it has company.

- Millions of colours with accurate, repeatable digital colour reproduction
- Advanced textures, patterns, and design possibilities
- Personalisation and custom colourways
- Tunable wash fastness with high wash durability



Make what sells, when it's selling

From a single sample to industrial volumes, the EFI Reggiani ecoDENIM Solution makes every run size work. With no minimum order quantities, you can test new colours, respond to trends as they happen, and produce to actual demand – instead of committing to large dye lots and carrying inventory that may never sell.

- No minimum order quantities
- Profitable for short runs, scalable for industrial volumes
- Reduced inventory and faster response to market demand
- Compact footprint that fits existing production facilities



The way denim gets its colour changes. But nothing else has to.

The Reggiani ecoDENIM Solution fits into the manufacturing workflows denim producers already use. Cutting, sewing, and finishing stay the same, and finished garments keep the look and effects consumers recognize as denim. You gain an entirely new set of possibilities without giving up anything that makes denim, denim – with technology already proven in production.

- Integrates into existing manufacturing workflows
- No changes required to cutting, sewing, or finishing processes
- Finished garments maintain the traditional denim look and effects
- Developed through 16 months of R&D and co-development with customers
- Proven with active installations in the market

Let's be brilliant. Together.

We understand you want breakthrough technologies to lead you through your digital journey. That's why we're passionate about driving your business growth with a scalable portfolio of products, solutions, services, support, and world-class partnerships for the manufacturing of packaging, sign and display graphics, and textiles, with a wide range of printers, inks, and software. Our unwavering commitment is to increase your profits, lower costs, improve productivity, and optimise efficiency — job after job, year after year. We're obsessed with your success. And we definitely believe we have the right people, technology and experience to help your business achieve its goals. Visit www.efi.com or send an email to info@efi.com for more information.



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