Reggiani are committed to sustainability and green processes

1) **Present Status of Reggiani?**

With three quarters of a century of innovation, research and technological excellence, EFI Reggiani has become the trusted partner for integrated, scalable solutions for the entire textile process – from yarn treatment to fabric printing and finishing. EFI Reggiani has always had its customers in the forefront, enabling their business' success and growth.

Always striving to be at the cutting edge of technology, EFI Reggiani delivers world-class products offering boosted uptime and reliability, high performance throughput, unparalleled printing uniformity, and accuracy – all while helping customers increase the sustainability of their textile manufacturing activities.

2021 has been one of our most active years in bringing new innovation to the market.

During a worldwide virtual event and at the TME exhibition in Istanbul early September, we launched the world's most productive scanning textile printer, an EFI Reggiani HYPER model that – in a 3.4-metre size printing on 2 1.5-metre rolls in parallel – can produce up to 20 linear metres per minute. That level of throughput is comparable to what some low-end single-pass textile printers produce. But it's not just about speed. For EFI Reggiani, printing quality is a trademark, and it is key for this product too. HYPER delivers outstanding printing quality as well as extreme design possibilities thanks to multi-pass printing at unparalleled speed, to answer the demand for versatility. Thanks to the 72 new recirculation print heads, today integrated on HYPER only, and the legacy EFI Reggiani continuous ink recirculation system, this new printer is also a champion for uptime and reliability, maximising the printer's availability for production with excellent printing results and very low maintenance needs.

Besides EFI Reggiani HYPER, we have also launched a new industrial entry-level solution: EFI Reggiani BLAZE printer has been designed to give textile companies the opportunity to enter the digital textile printing market with a compact solution. Thanks to EFI Reggiani's state-of-the-art technology, it guarantees cutting-edge printhead reliability and low maintenance costs for a competitive TCO (total cost of ownership) and smooth and precise material handling of knitted and woven fabrics.

The printer has eight 300-dpi dual channel printheads and can print in up to eight colours with full variable drop size, reaching a speed up to 125 linear metres per hour. Thanks to an extended range of printing modes, including our high uniformity printing modes, BLAZE ensures maximum flexibility on the widest variety of designs, to satisfy an extensive array of customers' needs.

The third innovation is represented by the EFI Reggiani TERRA Silver, a 1.8-metre-wide printer operating with EFI Reggiani's unique TERRA pigment ink with binder solution for high-quality, highly sustainable, direct-to-textile printing without steaming or washing. The pigment ink and binder solution ensure users a greener, smarter, and shorter process to enter the textile space. The printer, which we presented for the first time at Fespa 2021 tradeshow in Amsterdam, has a new recirculating ink system for superior reliability and minimum maintenance, new, time-saving image

processing capabilities, that eliminates time spent in image pre-calculations, and several additional enhancements.

2) **Reggiani strategy in case of sustainability and innovation?**

EFI Reggiani's innovations are the result of extensive research targeted to improve productivity and quality, optimise the textile manufacturing process, and reduce energy and water consumption, as well as environmental impact. The company develops complete green processes and innovative solutions covering the full textile workflow to reduce consumption and minimise the environmental impact. A new approach that combines quality and production efficiency with environment respect.

An example of our continuous commitment to sustainability is our TERRA platform, an important step for the future of textile and sustainability. TERRA range features entry-level, mid-volume and high-volume printer models, and they all give users a distinct advantage, replacing water-intensive steaming and washing with using a highly efficient polymerisation process that goes into effect as printed textile goes through this special printer's on-board dryer thanks to our proprietary EFI Reggiani TERRA pigment technology.

Besides printing, our commitment to promote sustainability spreads also to our denim dyeing solutions known under the historical brand Mezzera.

The latest innovation in the renowned Mezzera line of low-impact indigo dyeing and finishing solutions uses patented Nitrogen Indigo technology. Key advantages include:

- an up to 35-40% reduction in chemical usage compared to other dyeing technologies
- up to 6.5% higher indigo intensity compared to other dyeing technologies
- improved colour fastness
- deeper sulphur dyeing shades with no steaming
- a smaller machinery footprint.

3) **How do you see future trends in case of technology?**

Consumers' behaviour trends are moving in the digital direction: design to shelf speed has reduced due to multi season trends and shorter collections and in that environment, the fast turnaround time of digital compared to analog is undisputable.

Thanks to digital, manufacturers are better able to react quickly to fashion trends and minimise losses from fashion flops. They can lower their costs with reduced setup time and leaner inventory management thanks to the possibility of efficient print-on-demand capabilities—all while delivering products with better and richer colour palettes and more-detailed designs.

Digital possibilities are further enhanced in terms of time to market and, above all, sustainability, a crucial ask from consumers, by short green processes that reduce water, energy and chemicals consumption. Sustainability in fact is one the biggest, and most important trend, especially given the enormous amount of water consumption and pollution attributed the to the textile industry. Manufacturers that print using analogue methods want to move to solutions that have much less

waste, and businesses looking to enter the textile space are more inclined to do so now that greener, short process solutions like the EFI Reggiani TERRA pigment with inline polymerisation are available.

But it is not just a matter of environmental footprint but also of social responsibility to a wider extent: supply-chain transparency and traceability are also crucial aspects, where consumers have the assurance that what they are wearing has been produced according to ethical standards and not just environmental standards. Blockchain will most likely be the technology to make transparency a reality.

Other trends we are keeping an eye on include the technical textiles sector, where the demand for advanced materials, for instance with antibacterial properties, are the next frontier.

The on-demand Web2Print business model reached new heights and the business model is forecast to become even more prominent in the next few years.

4) What growth have you seen in the last 10 years?

Reggiani Macchine started a new chapter in the early 2000s with the introduction of digital printing technology to their product range. Then, in 2015, Reggiani Macchine joined the Electronics For Imaging family. Since then, the company, based in Bergamo, Italy, has accelerated its mission in driving the transformation of analogue to digital imaging in the textile segment. EFI Reggiani's product portfolio has continued to expand, ranging from rotary and flatbed printing machines to scan digital printers to the world's fastest digital textile printers – the award-winning EFI Reggiani BOLT single-pass inkjet printer launched in 2018 and the super high-speed scan EFI Reggiani HYPER digital printer last September. The company has also substantially advanced its ink offerings, becoming a recognised leader as one of the only manufacturers of a full range of inks used in industrial textile manufacturing.

5) How do you see Reggiani after next 5 years?

For 2022 and for the future years we are fully committed to invest and offer to our customers the best technology and solutions. We at EFI Reggiani are committed to sustainability and green processes, so new sustainable digital printing solutions to use less water, less energy and less waste to accelerate the digital transformation and build a more sustainable Textile industry will remain a key focus.

A second significant driver of development will be workflow and end-to-end digital solutions, to offer an optimised and smooth experience to our customers thanks to software innovation.

And lats but not least, we will continue exploring new applications to expand the possibilities offered with our products and processes to help our customers grow their businesses through new opportunities enablement.

In the next exhibitions we will display new solutions that will further revolutionise the market and support our customers' business through the digital transformation and growth.

6) Reggiani participation in exhibitions for the year 2022-23?

For 2022 we are getting back to normal with exhibitions across all geographies.

This month we will attend Fespa in Germany and ITM in Turkey. During summer and after a few years we will be back to Latin America at Febratex in August and we are planning to attend ITMA Asia in China and ITME in India toward the last part of the year, and many more exhibitions all around the world are scheduled in partnership with our agents in the territory.

2023 will be a crucial year: we are already thrilled and getting ready for ITMA 2023 that will be back in Milan after 8 years, and we are working on astonishing new products for this incredible milestone for textile, that is really where the industry meets every 4 years. So, many interesting news to come – stay tuned!