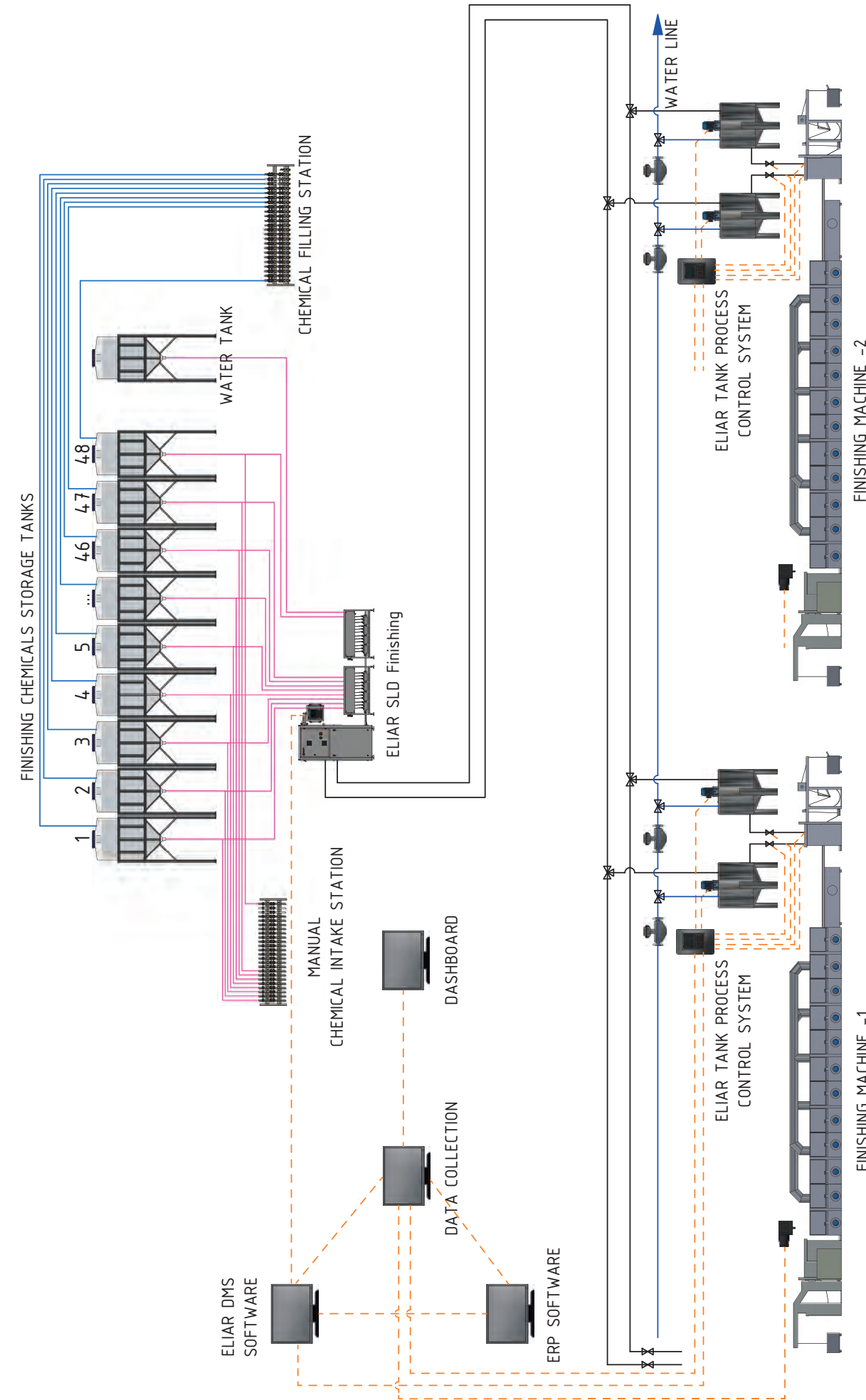




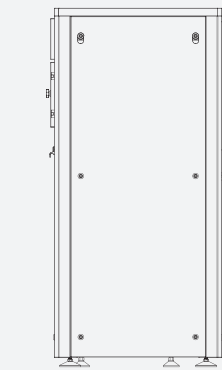
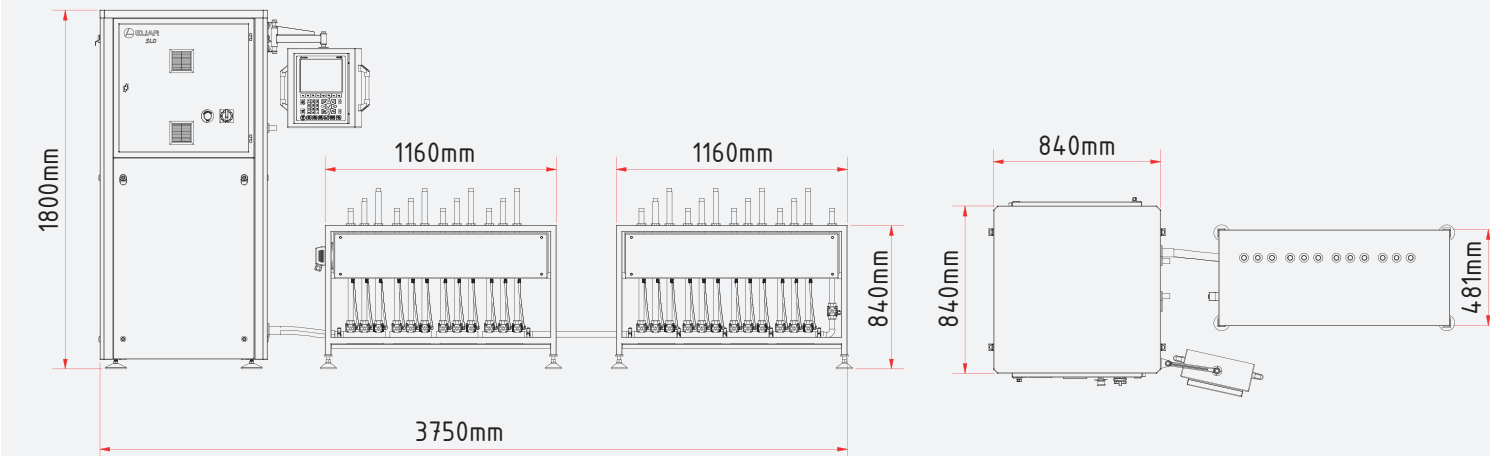
SLD Finishing

FULL AUTOMATIC LIQUID CHEMICAL
AUTOMATION SYSTEM

ELIAR SLD FINISHING FINISHING OPERATIONS TECHNICAL WORKFLOW DIAGRAM



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Technical Specifications

Chemical Inlet	: 12-24-36-48
Collector Type	: Single Line (Maximum 4 collectors)
Transfer Capacity	: 600 transfers / day
Pump Transfer Speed	: 60 liters / minute
Outlet and Transfer Type	: Single Line Distribution, Maximum 40 outlets
Flowmeter	: Gravimetric Mass Flowmeter
Weighing Accuracy	: 0,5% or maximum 3 g (up to 600 g, for upper max. 0,5%)
Pump Type	: Lobe (Standart), FIP (Optional)



THE RIGHT SOLUTION FOR ALL LIQUID CHEMICALS USED IN YOUR FINISHING PROCESSES

Considering the diversity and consumption amounts of liquid chemicals used in textile finishing processes, manual weighing and distribution operations are extremely difficult and risky. As a result of incorrect calculations, wrong chemical selection and under or over weighing, which are frequently encountered in manual operations, your final product quality and repeatability will decrease, and your production costs will increase exponentially. In order to avoid all these problems, Eliar offers you the fastest and most flexible liquid chemical distribution system, SLD Finishing for optimizing your textile finishing processes.

DESIGNED TO MAXIMIZE YOUR PRODUCTION EFFICIENCY

Produced with the engineering and assurance of Eliar, SLD Finishing has been specially developed for textile finishing and is the fastest and most flexible liquid chemical distribution system serving for this purpose. Eliar, which is among the world leaders with the products it produces for the textile industry, ensures that the textile finishing processes are maintained with maximum efficiency with the SLD Finishing it developed. With ELIAR SLD Finishing, you can have a production line where you can easily control your liquid chemical consumption, guarantee perfect precision in all your chemical weighing, and at the same time eliminate errors and all potential accidents completely.

A SINGLE SYSTEM FOR ALL YOUR LIQUID CHEMICALS USED IN FINISHING PROCESSES

Regardless of the size of your factory, the raw material you will process and the finishing method you apply, SLD Finishing is suitable for every textile finishing machine and process. SLD Finishing transfers up to 48 liquid chemicals at a speed of 60 liters per minute, without any time loss and just in time. With its special pump and flowmeter combination, it performs all your daily liquid chemical transfer operations without any risk of mixing. The right chemical, the right machine, the right amount and the right timing are guaranteed with the special SS316L pipeline, exclusively designed actuator valves and the unique design of the system based on the size of your enterprise and the dispensing distances.

UNIQUE CHEMICAL TRANSFER SPEED WITH CUSTOMIZED DISPENSING STRUCTURE

SLD Finishing is equipped with a special chemical collector system that allows automatic transfer of up to 48 chemicals according to the needs of your processes. Thanks to the unique working principle of SLD Finishing, line cleaning is performed simultaneously with the chemical transfer. SLD Finishing is equipped with two pumps and two flowmeters to double the liquid chemical transfer rate. Thanks to these unique equipment structure, which consists from 3-way L port specially designed distribution valves and the pipeline structure made of SS316L material, chemical transfer is made from one of the two main distribution lines, while another chemical is weighed simultaneously with the other line.

CUSTOMIZED MANAGEMENT SOFTWARE FOR FINISHING

ELIAR DMS software, which is offered to your service for textile finishing processes, performs recipe preparation, production planning, automatic dosing and consumption reporting functions perfectly, thanks to its planning, recipe, report modules and recipes import/export features. ELIAR DMS enables the creation of reports with real-time data in integration with the ERP and data collection software installed in your enterprises. DMS also works as the main server for the call terminals and tank control panels assigned to your finishing machines in your factory, and thanks to its user-friendly interface design, it ensures that the operators perform all operations without any errors.

ELIAR CALL TERMINALS FOR AUTOMATIC TRANSFER OF CHEMICALS

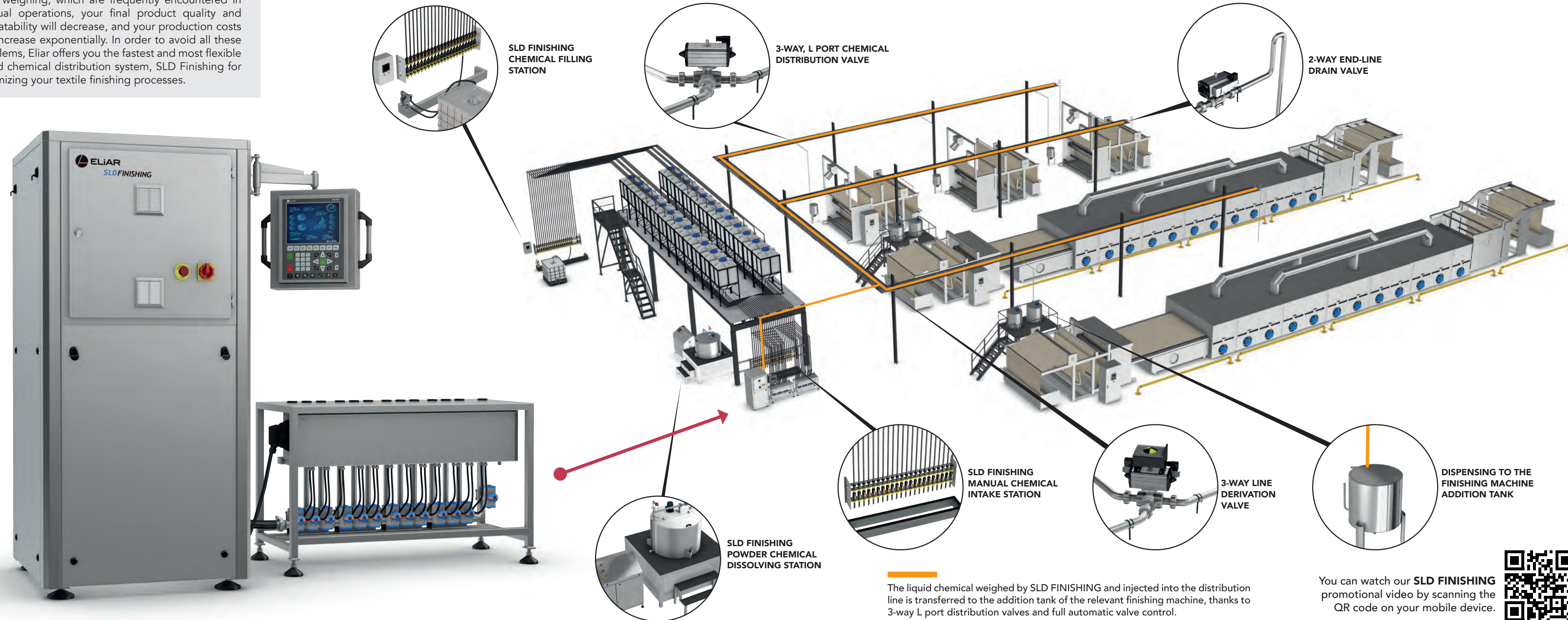
ELIAR Call Terminals, working integrated with ELIAR DMS Central Control Software and feeding tanks of finishing machines, provide automatic dosing of all chemical demands planned for the relevant machine according to the finishing recipe to be applied. Thanks to the call terminals that can control 4 separate feeding tanks and customized for each finishing machine, all chemicals which your finishing machines need according to the recipe will be transferred automatically.

ELIAR FINISHING MACHINE TANK CONTROL AUTOMATION

Due to the sensitivity required in textile finishing processes, it is very important to control also the feeding tanks of the finishing machines automatically. At this point, Eliar offers you ELIAR Finishing Machine Tank Control Automation System, which is a system that can control the feeding tanks of all your finishing machines that you are using in your enterprise and which the automatic dosing systems serve and can provide full automatic use of all the functions of the relevant feeding tanks, and that exchanges data in a fully integrated manner with data collection, ERP and Dashboard software and interfaces. In order full automatically to prepare and apply the recipes created with the DMS Central Control Software for your textile finishing machines, the automation of the water completion step after dosing the recipe, the continuous control of the padding level with the help of smart sensors and the continuity of the desired level, will be always under control. Automation of the cleaning process for recipes is also provided by the ELIAR Tank Control Automation. With the ELIAR Finishing Machine Tank Control Automation System, your finishing processes can be completed untouched in terms of control and dosing, and all errors, accidents and other risks in production are eliminated perfectly.

PERFECT PROJECTS WITH EXPERT ESTABLISHMENT IN THE TEXTILE INDUSTRY

Aligned with its vision for the future, with the awareness that the only way to progress is the triangle of qualified knowledge, qualified workforce and optimum cost, Eliar, thanks to its wide engineer staff specialized in their fields and the R&D center that directs technology, shares its deep application experience with you from the projects it has carried out in different parts of the world. During the selection and projecting of the most suitable liquid chemical automation system, Eliar also cooperates you in every aspects of your automation project and with its technical team specialized in textile automation systems, takes the responsibility of all design, project and engineering works, installation stages and commissioning processes from the production of your project until the delivery stage and always offers you turn-key automation projects.



The liquid chemical weighed by SLD FINISHING and injected into the distribution line is transferred to the addition tank of the relevant finishing machine, thanks to 3-way L port distribution valves and full automatic valve control.

You can watch our **SLD FINISHING** promotional video by scanning the QR code on your mobile device.

