



SLD Mineral
FULL AUTOMATIC POWDER MINERAL
AUTOMATION SYSTEM

The single address for all automation
needs of the textile industry.

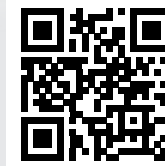
Control Your Factory.

ELIAR FULL AUTOMATIC
CHEMICAL KITCHEN



ELIAR **RD96**

You can watch our **RD96** promotional
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ELIAR DYEHOUSE
SUPERVISORY SOFTWARE

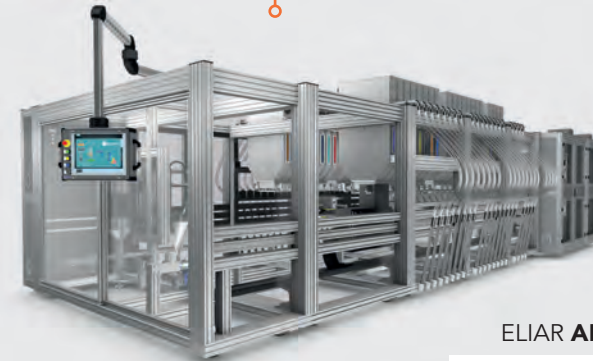


ELIAR **TELESKOP**

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ELIAR FULL AUTOMATIC DYESTUFF KITCHEN



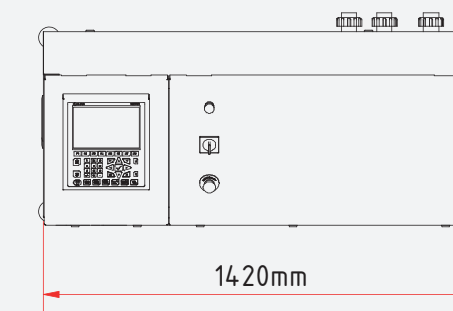
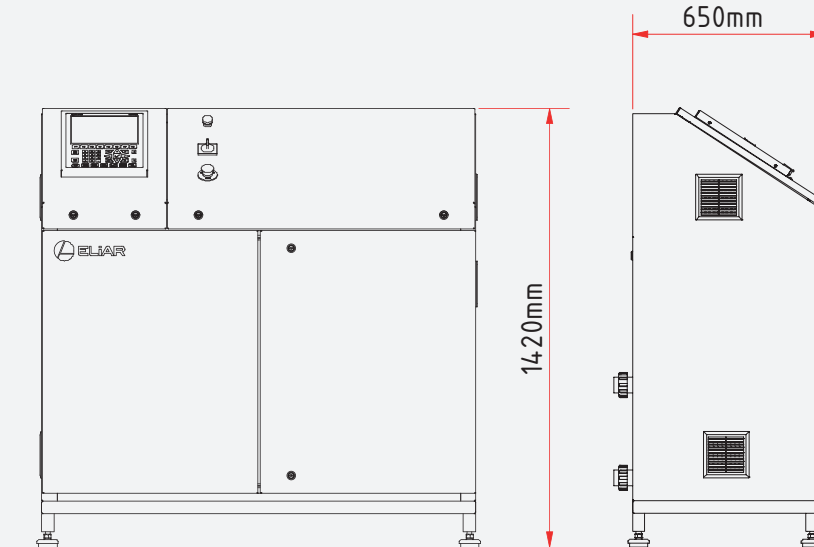
ELIAR **ADW**

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Eliar Elektronik San. A.S.
Esentepe Mahallesi Saglam Fikir Sokak No:1
Postcode: 34394 Sisli / Istanbul / Turkey
☎ +90 212 274 30 31
✉ info@eliar.com.tr
www.eliar.com

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 eliarelektronikt1984

Technical Specifications

Chemical Inlet	: Seperate units for each mineral.
Weighing Accuracy	: 1% or maximum 20 cc.
Transfer Speed	: 200 liters / minute
Outlet and Tranfer Type	: Dispensing with Singular Dispensing Lines
Flowmeter	: Magnetic Flowmeter
Pump Type	: Centrifugal Pump



THE MOST FLEXIBLE SOLUTION FOR THE POWDER MINERALS USED IN YOUR FACTORY

Considering the high consumption amounts of powder minerals used in fabric and yarn dyeing processes, the long time and intensive labor required for their preparation, fully automatic weighing, dissolving and transfer of these minerals are very critical. As a result of incorrect calculations and under or over weighing, which are frequently encountered in manual processes, your final product quality and repeatability will decrease, and your production costs will increase exponentially. In order to avoid all these problems, Eliar offers the fastest and most flexible powder mineral automation system, SLD Mineral, for seving fabric and yarn dyeing industry.

DESIGNED TO MAXIMIZE YOUR PRODUCTION EFFICIENCY

Produced with the engineering and assurance of Eliar, SLD Mineral is the fastest and most flexible powder mineral distribution system. Eliar, which is among the world leaders with the products it produces for the textile industry, ensures that the enterprises to work with maximum efficiency with the SLD Mineral it has developed. With SLD Mineral, you can have a production line where you can easily control your powder mineral consumption and at the same time completely eliminate all errors and accidents.

A SINGLE SYSTEM MEETING ALL THE POWDER MINERAL TRANSFER REQUIREMENTS OF YOUR DYEHOUSE

Regardless of the size of your factory, the raw material you will process and the dyeing method you apply, SLD Mineral is the most suitable solution for any fabric and yarn dyeing enterprise. SLD Mineral transfers salt, soda and sulfate at a rate of 200 liters per minute, thus ensuring you the right mineral, to be in the right machine, the right amount and in the right timing.

UNIQUE TRANSFER SPEED

The transfer rate is critical for salt, soda and sulfate, which are consumed in much higher amounts when compared to other chemicals used in dyeing processes. ELIAR SLD Mineral provides this required high transfer speed with its specially designed pumping technology and installation structure that can vary according to the operating configuration. In this way, SLD Mineral transfers the minerals in your recipes with the highest consumption values to your dyeing machine with a transfer speed of 200 liters / minute.

PROGRAMMABLE CIRCULATION

Dissolved soda ash solution can freeze in the distribution line and in the stock/intermediate stock tank, especially if it is inactive at low temperatures and this can cause irreversible problems. Due to this sensitive property of soda ash, ELIAR SLD Mineral circulates the soda solution in both the distribution line and the stock/intermediate stock tank, eliminating the possibility of freezing and providing a trouble-free dispensing, thanks to its specially designed valves, pipeline and programmable pump structure customized for circulation facility.

AUTOMATION CONFIGURATION ACCORDING TO YOUR MINERAL SUPPLY METHOD

50 kg bags, 1.000 kg big bags or large-scale supply for refining: No matter how the salt, soda and sulfate you use in your factory are supplied, solution preparation, stocking and automatic processing thanks to ELIAR SLD Mineral's flexible dissolving systems dispensing is ensured in all conditions. With the optional dissolving tanks that can be adapted to SLD Mineral, your dissolving processes for salt, soda ash and sulfate will also be done fully automatic. The dissolving process of powder minerals such as the amount of water and dissolving time can be specially programmed according to the subject powder minerals and their properties. At the end of the dissolving process, the chemicals are pumped into the storage tanks and finally the dissolving unit cleans itself and gets ready for the next dissolving operation.

INTEGRATED SOLUTION FOR SALT, SODA AND SULFATE

With independent distribution lines and valves customized for each mineral solution, as well as independent transfer pumps and flowmeters, SLD Mineral can simultaneously transfer all mineral solutions to the same or different dyeing machines. Thanks to the individual distribution lines, mineral solutions are always kept within the distribution lines, thus eliminating the need for line cleaning after transfer and saving the time required for the movement of solutions from the stock/intermediate stock tank to the distribution valves. As a result, the minerals specified in the recipes are dispensed simultaneously, on time, and without any delay.

READY FOR FUTURE

SLD Mineral is 100% compatible with the Industry 4.0 concept and is ready for possible future enhancements to software applications in your enterprise. It is integrated into Eliar dyehouse supervisory software to automatically generate reports on actual consumptions, process monitoring and control data.

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 powder mineral 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.

