



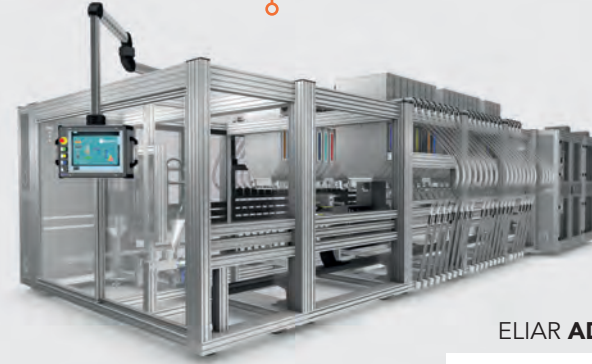
RD96

FULL AUTOMATIC LIQUID CHEMICAL
AUTOMATION SYSTEM

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

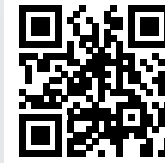
Control Your Factory.

ELIAR FULL AUTOMATIC DYESTUFF KITCHEN



ELIAR ADW

You can watch our **ADW** promotional
video by scanning the QR code
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ELIAR RDD

You can watch our **RDD** promotional
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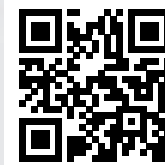


ELIAR FULL AUTOMATIC
MINERAL KITCHEN



ELIAR RPD

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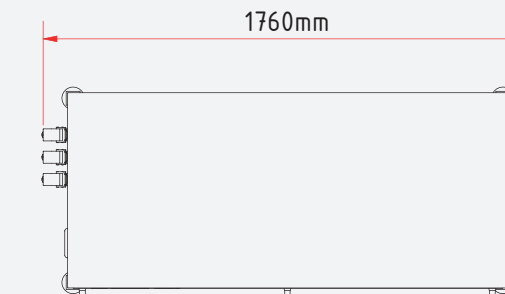
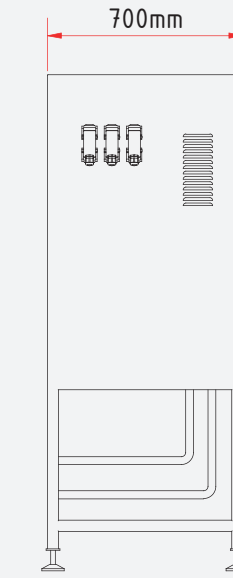
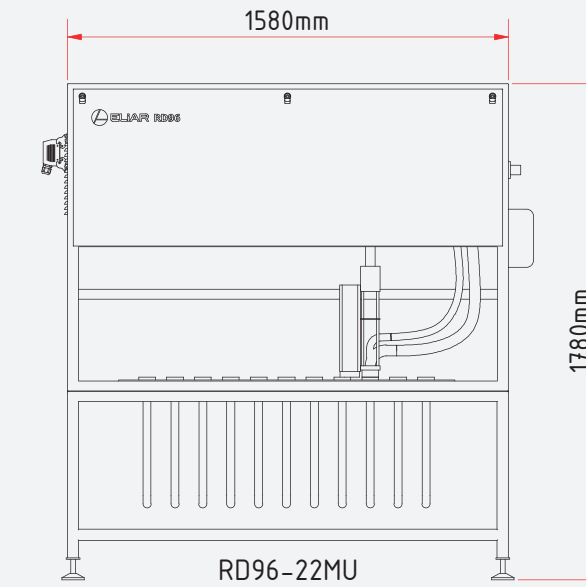


ELIAR DYEHOUSE
SUPERVISORY SOFTWARE



ELIAR TELESKOP

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



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Technical Specifications

Chemical Inlet	: 22 or 33
Collector Type	: Robotic Selection
Transfer Capacity	: 1 DST 600 transfer / day, 2 DST 900 transfer / day
Output Number & Type	: Distribution with robotic transfer units with 16,23,32,46 outputs
Flowmetre Type	: Gravimetric Mass Flowmeter
Pompa Type	: Lobe (standart), FIP (optional)
Pump Transfer Speed	: 60 liter / minute
Weighing Accuracy	: 0,5% or maximum 3 g (maximum 3 g up to 600 g and maximum 0.5% above 600 g)



THE FASTEST AND MOST RELIABLE DISTRIBUTION FOR YOUR LIQUID CHEMICALS

Considering the diversity and consumption amounts of liquid chemicals used in dyeing processes in textile enterprises, 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 processes, the quality and reproducibility of the final product will decrease, and your production costs will increase exponentially.

To avoid all these problems, Eliar offers you the fastest and safest multi-line liquid chemical weighing and distribution system, RD96.

Produced with the engineering and assurance of **Eliar**, the RD96 is the most advanced and most reliable one of the liquid chemical dispensing systems. With RD96 had been developed by Eliar, which is among the world leaders with the products it produces for the textile automation industry, it is ensured that textile enterprises to be working with maximum efficiency.

DISTRIBUTION OF ALL YOUR LIQUID CHEMICALS ARE FULL AUTOMATIC

Regardless of the size of your enterprise, the raw material you will process and the dyeing method you apply, the RD96 is suitable for every condition and every textile factory. The RD96 transfers 33 different liquid chemicals to a maximum of 46 different distribution points at a speed of 60 liters per minute, and with its unique robotic distribution principle, it provides all your daily liquid chemical transfer operations without any risk of mixing. Thanks to the specially designed robotic and valveless transfer system of the RD96, the risk of dispensing wrong chemicals or transferring them to the wrong machine is completely eliminated.

PRECISE WEIGHING & FAST TRANSFER

Powered by its highly precise gravimetric flowmeter and the special transfer pump with a capacity of 60 liters / minute, the RD96 manages 900 distributions per day without any delay and without any problem. RD96 makes simultaneous chemical transfer to two different dyeing machines with two separate distributor units. Thanks to this feature, it eliminates the chemical waiting problem of your dyeing machines and shortens your processes.

- GRAVIMETRIC FLOWMETER
- SPECIAL TRANSFER PUMP

STOCK CONTROL AND HIGH SECURITY SILO FILLING SYSTEM

Eliar designed silo stock control and filling system is being used in RD96 provides perfect security with integrated electronic camlock system, barcode reader, chemical low and high level sensors and automatic filling pump. RD96 ensures that the correct chemical is loaded into the correct chemical silo, preventing errors that may arise from the operator or any external factor.

- PERFECT FILLING SAFETY
- CONTINUOUS STOCK CONTROL

ROBOTIC CHEMICAL SELECTION AND DISTRIBUTION UNITS

The RD96 is equipped with two separate robotic units. Upon the chemical call from the dyeing machine, the chemical selection robot moves and connects to the outlet of the requested chemical. Simultaneously, the machine selection robot also moves and is connected to the chemical transfer output of the subject dyeing machine.

- ROBOTIC CHEMICAL AND MACHINE SELECTION
- VALVELESS DISTRIBUTION LINE

SPECIAL DESIGN FOR YOUR FACTORY AND YOUR NEEDS

The RD96 liquid chemical distribution system is specially designed for each dyehouse. In order to use the valuable space of your factory efficiently, chemical silos can be designed in different configurations, thus ensuring optimum use of the floor space. RD96 works according to the intensity of your workload and orders. The RD96 can work in full integration with all dyehouse management software in online mode, or it can also work in offline mode, where operators request chemicals with the help of a calling terminal, depending on the type of machine to be served and operating principle.

- PROJECT BASED DESIGN
- INTEGRATED WITH ALL DYEHOUSE SUPERVISORY SOFTWARE

DISTRIBUTION OPTIONS

The RD96 is integrated with custom designed multi-line robotic distributors. There are two distribution unit options with 16 and/or 23 outlets. With the option to use an additional distribution unit, the RD96 meets the liquid chemical distribution needs of 46 dyeing machines. With its robotic dispensing technology and just-in-time distribution discipline, Eliar guarantees to transfer the right chemical to the right machine, at the right time, without any risk of chemical contamination.

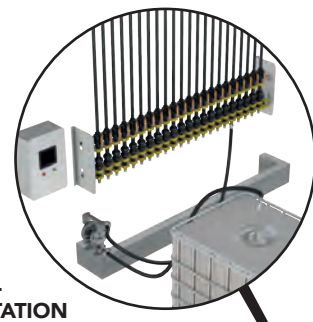
- MULTI-LINE DISTRIBUTION
- THE RIGHT AMOUNT & THE RIGHT TIMING

READY FOR FUTURE

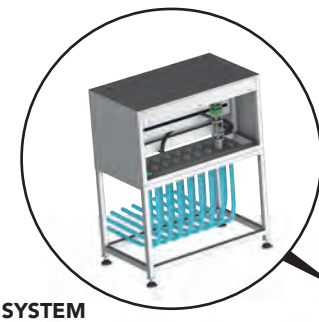
RD96 is 100% compatible with the Industry 4.0 concept and is ready for possible future enhancements to software applications in your dyehouse. It is integrated into Eliar dyehouse supervisory software to automatically generate reports on actual consumptions, process monitoring and control data.

PERFECT PROJECTS WITH EXPERT ESTABLISHMENT IN THE TEXTILE INDUSTRY

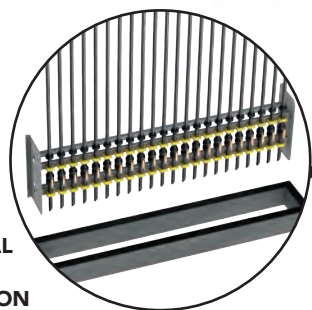
Aligned with its vision for the future, with the awareness that the only way to progress is the triangle of qualified knowledge, qualified workforce and optimum cost, Eliar, thanks to its wide engineer staff specialized in their fields and the R&D center that directs technology, shares its deep application 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 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.



RD96
CHEMICAL
FILLING STATION

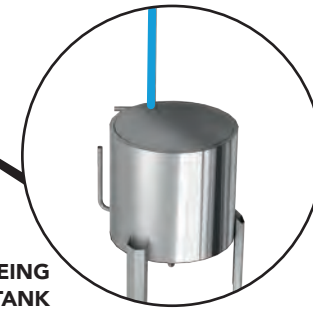


ELIAR
ROBOTIC
DISTRIBUTION SYSTEM



RD96 MANUAL
CHEMICAL
INTAKE STATION

DISPENSING TO THE DYEING
MACHINE ADDITION TANK



The liquid chemical being weighed in the RD96, is transferred to the Eliar multi-line robotic dispensing system. By means of this robot, the system is connected simultaneously to the single line going to the dyeing machine where the liquid chemical will be transferred, and thus liquid chemical transfer is ensured without the risk of any contamination.

You can watch our **RD96** promotional video by scanning the QR code on your mobile device.

