TBT

POWDER DYESTUFF
WEIGHING AND STORAGE 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 video by scanning the QR code on your mobile device.

ELIAR **CDD**

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

ELIAR FULL AUTOMATIC MINERAL KITCHEN

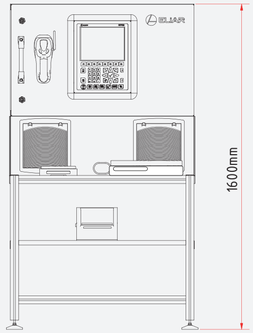
ELIAR **RPD**

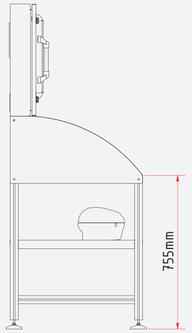
You can watch our **RPD** promotional video by scanning the QR code on your mobile device.

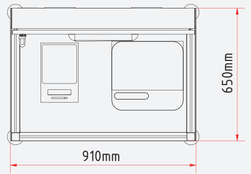
ELIAR DYEHOUSE SUPERVISORY SOFTWARE

ELIAR **TELESKOP**

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







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Technicial Specifications

Scale Connection	: 2 x RS-232
Scale Type	: Standard 30-35 kg and 200-320 g
Scale Accuracy	: Standard 0,1 g and 0,01 g
Barcode Reader	: RF and Bluetooth™
Led Light Control	: Standard 64, increasable.
Recipe Integration	: Could be integrated with all ERP with ELIAR integration protocol.

THE MOST ECONOMIC METHOD FOR POWDER DYESTUFF WEIGHING

Giving the operators the task of weighing the dyestuff without any guidance system brings a lot of certain risks. Problems such as the wrong amount of weighing or even the wrong color selection can often be encountered, and therefore the weighed dyestuff can be wasted or even the batch can be processed incorrectly. Eliar TBT solves all these problems in the simplest and most economical way, thanks to the three-step guidance it provides for the operators.

As one of the leading automation companies in the world, Eliar eliminates the powder dyestuff weighing problems of dyehouses with its wide range of automation products for the textile industry.

SIMPLE AND ECONOMIC SOLUTION

TBT can be used in all textile processes where powder dyestuffs are used. TBT is easily commissioned with its compact dyestuff shelf and box design. With TBT, your dyestuff kitchen will be in order even in one single day.

MODULAR STRUCTURE & READY FOR FUTURE EXPANSIONS

TBT ensures that the operators can weigh the dyestuff accurately. It can be designed in different shelf numbers and structures according to the usable area of your factory. With SS316 dyestuff boxes, the longevity of the system is ensured.

- SPECIAL DESIGN FOR YOUR FACTORY
- NUMBER OF INCREASABLE DYESTUFFS

INDEPENDENT SCALES FOR LARGE AND PRECISE WEIGHINGS

TBT is equipped with two different scales used for different purposes: High precision weighings and high capacity weighings are provided with separate scales. The system guides the operator about which scale should be used and the interface of this scale is displayed on the screen during weighing.

- PRECISION WEIGHING
- USER-FRIENDLY, EASY TO USE

LED LIGHT DIRECTION SYSTEM

In order to enable the operator to quickly select the dyestuffs in the recipe whose weighing has started, LED notification lights are placed in all dyestuff boxes. In this way, possible wrong choices are prevented.

- LED LIGHT DIRECTION SYSTEM
- FAST AND PRACTICAL

ELIAR CDD POWDER DYESTUFF DISSOLVING AND TRANSFER SYSTEM

TBT works in full harmony with ELIAR CDD semi-automatic powder dyestuff dissolving and transfer system. After the dyestuffs are weighed according to the recipe with the help of TBT, they are transported to the ELIAR CDD. CDD automatically adjusts the dissolving parameters according to the properties of the dyestuffs in the recipe and ensures that the recipe is dissolved in the most appropriate way and then transferred to the relevant dyeing machine.

BARCODE DEFINED SECURITY SYSTEM

As a second safety measure in addition to the LED light guidance system, TBT has a software that allows the weighing of the dyestuff to be weighed only after barcode verification. Thus, the dyestuff selection is made in two steps with both LED light routing and barcode verification system.

- BARCODE DEFINED SECURITY SYSTEM
- THE RIGHT COLOR & THE RIGHT QUANTITY

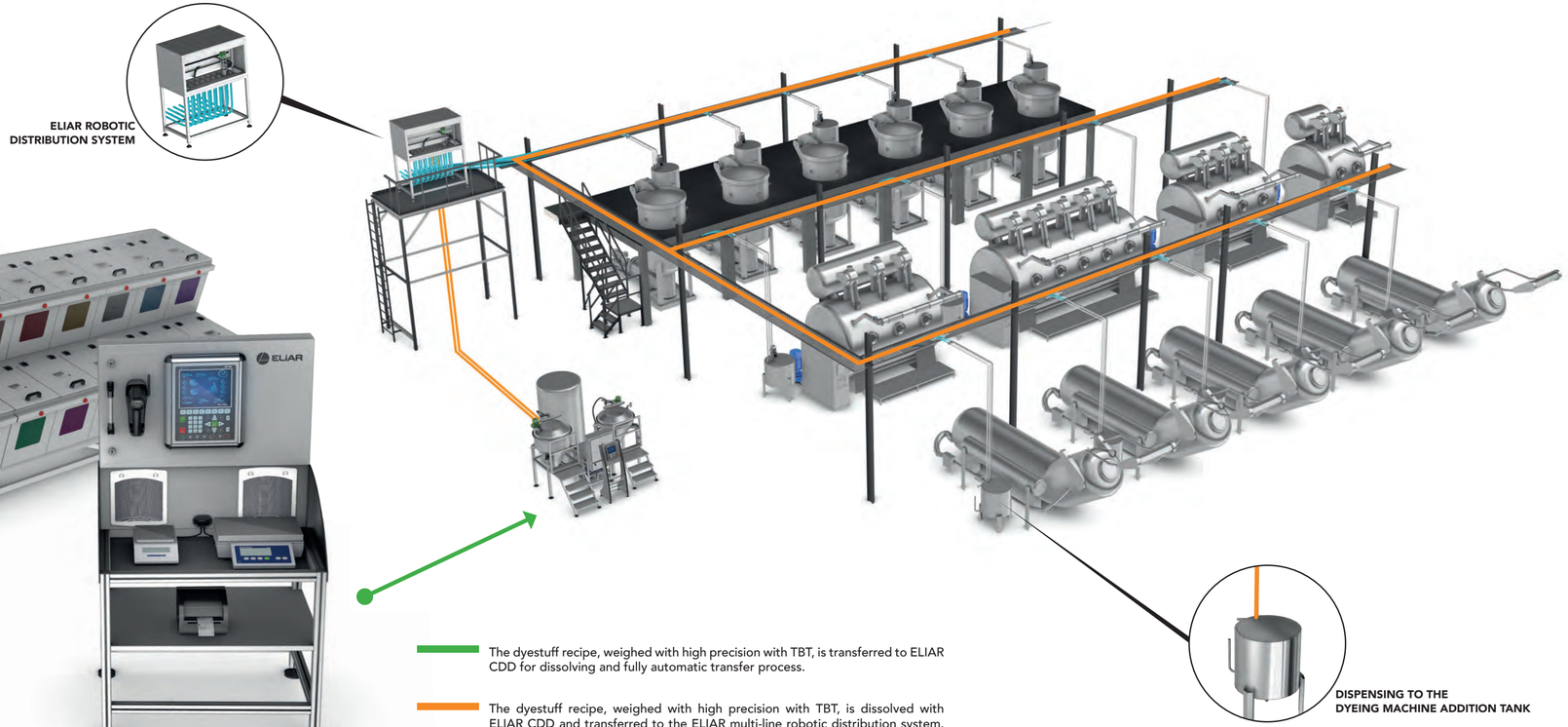
WEIGHING APPROVAL

TBT approves the dyestuff, which is started to be weighed, only after weighing the amount in the recipe. In recipes containing more than one dyestuff, each weighing can start only after the previous weighing is approved. In this way, it is guaranteed that the dyestuff weighing processes carried out under the guidance of TBT are carried out exactly in the quantities specified in the recipe. It also monitors the stock and lot information of the dyestuffs, and gives an automatic alarm when the amount of dyestuff decreases.

- EXACT AMOUNT WEIGHING IN THE RECIPE
- STOCK AND LOT TRACKING

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 dyestuff 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 dyestuff recipe, weighed with high precision with TBT, is transferred to ELIAR CDD for dissolving and fully automatic transfer process.

The dyestuff recipe, weighed with high precision with TBT, is dissolved with ELIAR CDD and transferred to the ELIAR multi-line robotic distribution system. Via this robot, the system is connected simultaneously to the single line going to the dyeing machine to which the recipe will be transferred, and thus dyestuff transfer is ensured without the risk of mixing or any contamination.

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