Lawer follows the motto of “The True Accuracy”

Providing products, solutions and services for various industries such as as textile,cosmetics, painting/coating, food, plastic and rubber, to increase the reliability, safety and efficiency of dosing and dispensing operations for powders and liquids with the aim to make daily life easier since their establishment in 1970 in Biella area. Having almost 50 years experience in supporting the industry to ensure the highest quality of the products, thanks to their ability based on the “*Italian Quality* ” of their products and services combined with their continuous investment in developing leading technology. As a result, more than 2500 customers put their trust in Lawer, having allowed them to supply them with thousands of systems and solutions during their long history.

Lawer’s core market position, that of a leading global product and solution provider together with their aim to set strong standards in all areas of our business, are both reflected in their company motto: “*the true accuracy “*

The true Accuracy is in every small detail that is measured the great value of a company. Lawer has made a hallmark of accuracy. In research, in the production cycle, in the technical support, every minimum detail is evaluated by the stricter controls. Extreme care is given to staff training. Nothing is left to chance in the choice of materials used to manufacture the various components of the equipment. Only components of very high quality are selected for the installations, which are able to fully satisfy the requirements of current regulations.

Quality and Excellence expressed since the preliminary analysis to the commissioning of the equipment, to ensure safe and automated systems operated by high-class software, able to adapt themselves to the changing needs of manufacturing companies.

Via their world-wide presence, they stand beside their customers around the globe and through the whole life cycle of our products, from the assistance with selecting the right equipment, design-in support, installation and after sale service.

Environmental Friendly

Lawer is one of the first companies in Italy to have joined "***Sustainable Technologies***", a project promoted by ACIMIT (Association of Italian Machinery Manufacturers). The associated companies to ACIMIT have to supply equipment and technologies that target to the centre of the manufacturer cycle the reduction of power, water and chemical materials for a more responsible production process and careful to consumption. The /energy/environmental performances are guaranteed by a 'green plate' fitted on the systems. Lawer's engagement throughout "Sustainable Technologies" do not stop here. The company is equipped with photovoltaic panels to self-produce and use renewable energy, and go on in the research of productive solutions addressed to environmental respect.

Lawer continuously invests in the research and development of new technologies and products. The trust that their customers, partners and employees put in their organization, their products and their services, has grown over decades and is the foundation of their company. Through the Lawer brand the company aims to strengthen this trust by putting our brand values into practice each and every day. Today, Lawer supports their customers in more than 50 countries around the globe. In China and Turkey, Lawer is present with its' own service organisation and in all the other countries they cooperate closely with dedicated and qualified representatives.

Lawer's automatic dosing systems organizes production in an innovative way automatically weighing and dosing powders, liquids and chemicals parts of the recipes of the textile dyeing and finishing process.

The systems guarantee highest quality of the finished product, highest weighing / dosing accuracy, repeatability of the recipes, production management, efficiency and cost reduction, optimisation of production, less production time, complete automatic powder weighing systems with single, double or multiple weighing scales. complete automatic liquid (water based) dosing systems with mass-flowmeter, traceability and real control of each weighing operation

LAWER PRODUCT PORTFOLIO
TD-LAB : Laboratory dispenser



The system allows preparation, dispensing and distribution of dye solutions and chemicals used in laboratory and/or sample dyeing machines with a capacity 72 to 396 bottles. The volumetrie measurement by means of a single-glass pipette ensures 0.01 gr accuracy. The high speed robotized arm manages the bottle handling and the pipette placement as well as the cap positioning and automatic pipette rinsing. The bottles and their caps are automatically rinsed and dried into a specific washing/drying device. The system can receive the powder dye for the solution preparation by the manual weighing position or by the automatic weighing/ dissolving system Lawer TO-MATIC. The dispensing by the pipette can be done into laboratory beakers or directly transferred into the sample/production dyeing machines by means of the automatic dispensing system mod. OS. The features are as follows:

□ volumetric dosing □integrated solution maker □ automatic water refill system □□single syringe □□software wizard for recipes preparation □□automatic bottles rinsing and drying system □ management of empty bottles □ management of expired solution

TD-MATIC : Sample weighing / dissolving dispensing



The automatic powder dyestuff weighing and dissolving system automatically weighs and dissolves small quantities of powder dyestuff, preparing liquid solutions to be dispensed into laboratory, sampling and production dyeing machines. The system can be connected to the laboratory machine mod TD.LAB which automatically prepares standard solutions [gr/L ratios]. The system offers features such as:
□□automatic dyestuff weighing □□dyes and chemicals solution preparation □□robot multifunction □□36 buckets for recipes storage □automatic dissolving station □automatic buckets rinsing drying system □solution dispensing

MR / DOS-CONTROL: Rotary store and powder weighing

The Rotary Store has been designed to store drums and boxes of powder products in a small space ensuring the quick and easy withdrawal for the weighing operation.The rotary stores rotate to the designated position using the most efficient direction, either forward or reverse. The working area is on a traversing trolley with dust extraction system that grants the perfect environmental and working area conditions. It provides wide range of features such as: □

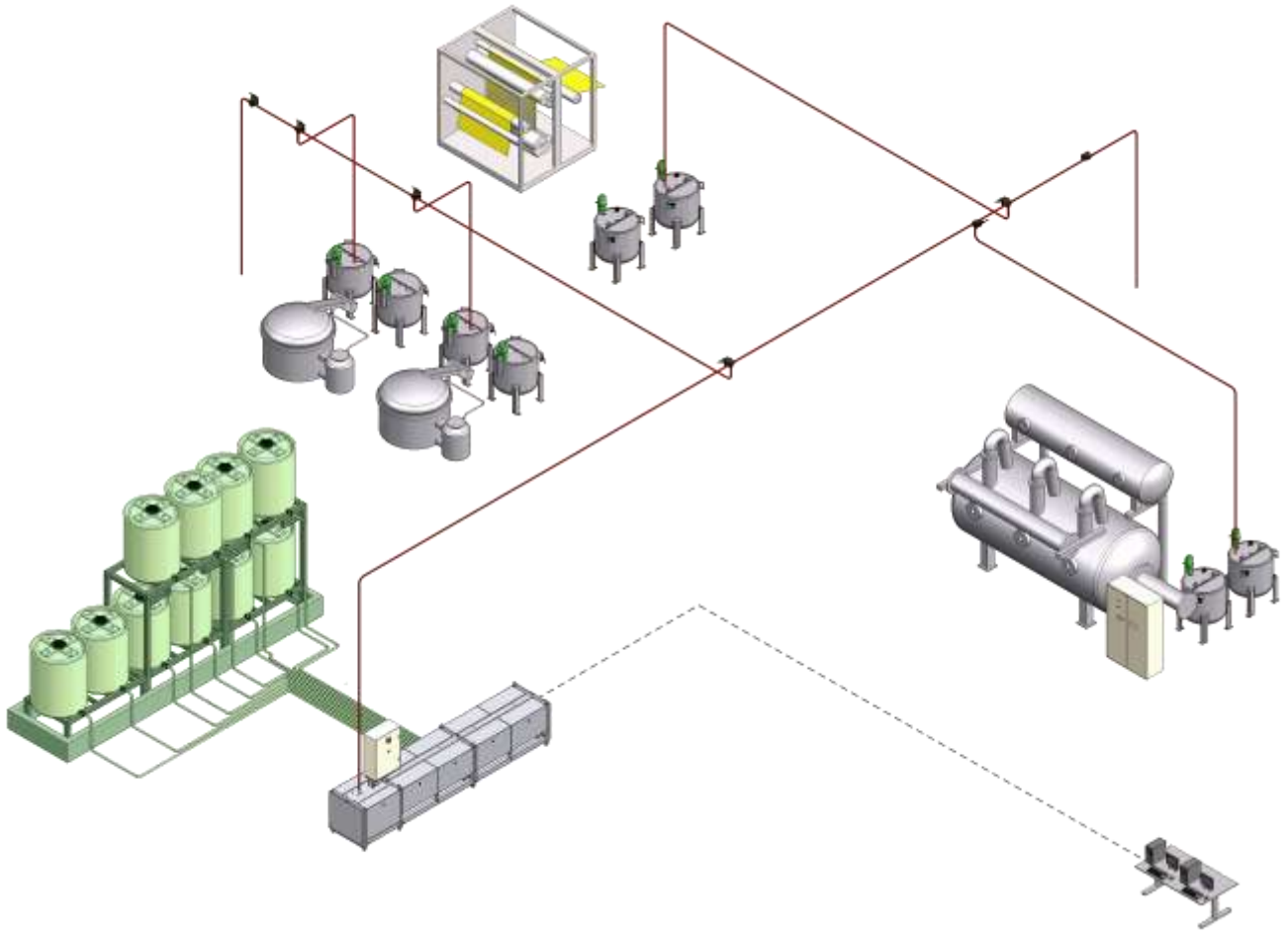
manual weighing rotary dyestuff storage clockwise and anticlockwise rotation Dos-Control check weight system wizard Sw for recipes preparation electronic weighing scales bar code reader label thermal printer

DYEMATIC: Automatic powder weighing, handling, dissolving and dispensing



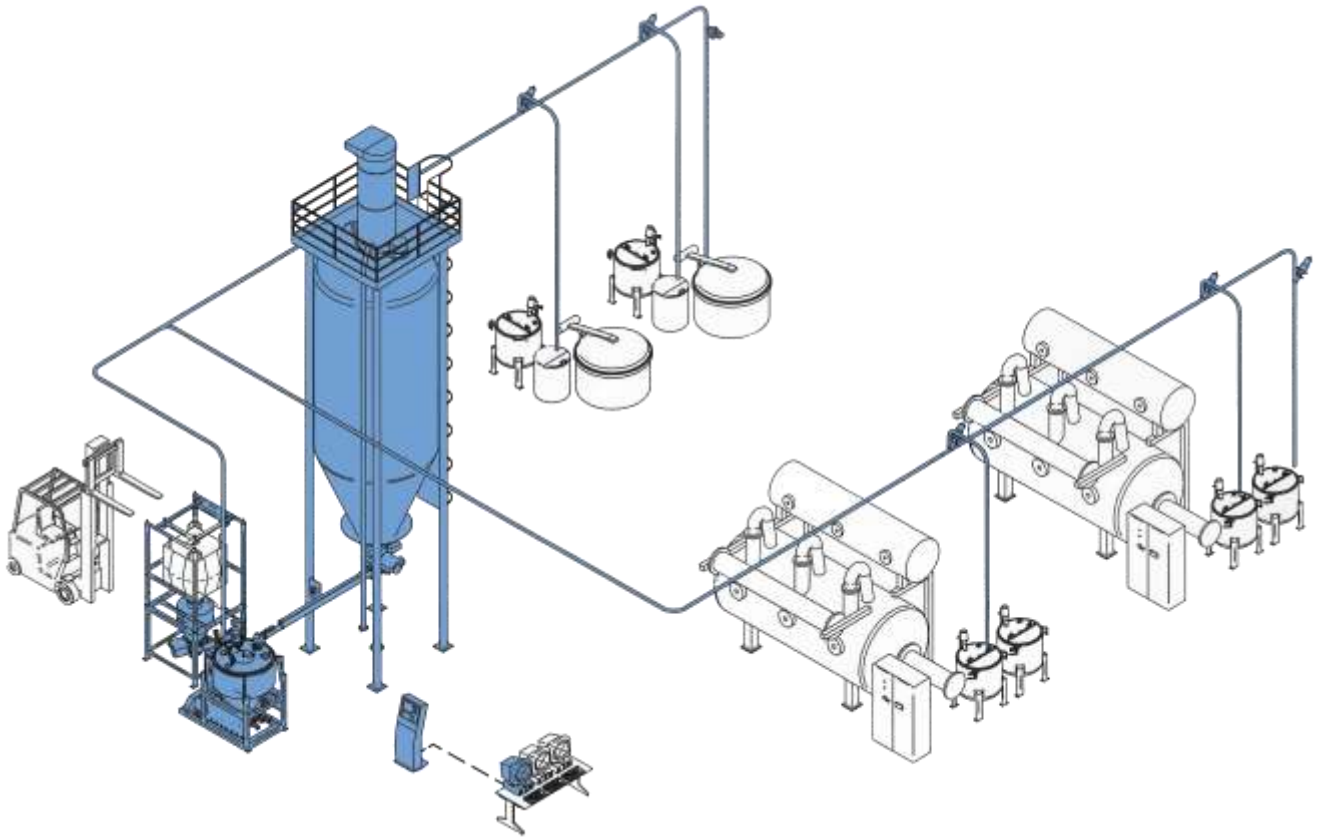
The DYEMATIC modular system ensures a high level of automation, flexibility and maximum efficiency in the weighing, handling, dissolving and dispensing of powder dyes. Combined with powder dyestuff weighing systems the mod. Supercolor or mod. Dos-Control it allows the full automation of the process. The weighing and dissolving operations are completely independent due to the modular buckets storage system mod. MGS where recipes are temporarily stored prior to dissolving and dispensing. This system ensures flexibility in the scheduling and can serves a large number of dyeing machines with maximum efficiency. The triple-axis robotic device mod. MSA ensures rapid buckets handling, managing priority and optimizing the system productivity. The DBS and DTS dissolving stations manage the dye dissolving procedure according to quantity, liquor ratio, temperature and mixing time. The stainless steel distribution line MONOPIPE Lawer provides the dye dispensing to the dyeing machines. Total system reliability and elimination of pollution risks are achieved through the use of special valves and joints. The features include: fully robotized automatic dyestuff weighing robot multifunction recipes storage rack automatic dissolving station automatic buckets rinsing drying

DOS-CHEM: Liquid dosing and dispensing



The system provides a fast, accurate and completely safe dispensing operation for liquid chemicals and auxiliary products. It is equipped with a high-resolution magnetic inductive ow meter which ensures accurate dispensing. The liquids are metered and delivered directly to the dispensing points through a lobe pump and mono-pipe distribution line using three-way valves in stainless steel aisi 316 L (Lawer Technology). The features include: modular structure volumetric dosing high-resolution flowmeter fast, safe dosing and dispensing products waste free high pressure dispensing pump

SILOS-DOS: Powder chemical storage, weighing dissolving ,dispensing



The System allows the storage and weighing of bulk powder chemicals and their dissolving in saturateci or oversaturated solutions with automatic dispensing into the dyeing machines without alteration of the correct liquor ratio. The system can be supplied with different size storage silos [from 0.2 to 32 m3] made in different material such as stainless steel, PE or PRFV for indoor or outdoor installation. The silos can be refilled by bags, big-bags or directly by the truck using mechanical or pneumatic loading devices. The solution is prepared strictly complying to pre-set parameters, such as time, temperature, product solubility and liquor ratio. The solution is then delivered directly to the dispensing points through a high pressure pump and mono-pipeline distribution line in stainless steel aisi 316 L (Lawer Technology). Suitable for / 225 l-450 l -1000 l capacity dissolving tanks.