



PAINT  
TECH  
NOLOGY



The recipes preparation process for the paints production to be efficient requires constant monitoring of weighing accuracy, repeatability, traceability and, above all, safety in handling harmful powders.



INDUSTRIAL PAINT  
MASONRY PAINT  
POWDER COATING  
AUTOMOTIVE PAINT

- 01 SUPERSINCRO
- 02 SUPERCOLOR ID-TAG
- 03 UNICA TWIN
- 04 TD-MATIC
- 05 LEIMS.i

## PAINT TECHNOLOGY

### LAWER'S MISSION

Lawer supports the **Powder Coatings** Manufacturers with automatic systems for weighing pigments and additives that remove risk factors, such as preparation errors, contact with products, and guarantees constant quality and complete traceability of the process.



### ADVANTAGES AND BENEFITS

#### accuracy

recipe integrity  
accuracy in every batch  
zero batch rejection



#### repeatability

less errors, less cost, higher  
quality of the finished product



#### traceability

100% traceability of each product



#### safety

safe and hygienic working conditions  
dust free environment



#### monetary savings

labor cost reduction  
material savings



# SUPERSINCRO

MULTI-SCALE TECHNOLOGY  
PRODUCTIVITY > 2000 BAGS/DAY

## REFILL

/ Vacuum pump with independent suction hoses on each silo  
/ Gravity in a platform or by big bag

## STORAGE

/ Stainless-steel silos 380 l capacity  
/ Stainless-steel hopper - 300/400/500/900/1800 l  
/ Big bag station  
/ Interchangeable stainless-steel silos 20/70 l

## DOSING

/ Single or double screw  
/ 1 g - 0.1 g or 0.01 g accuracy  
/ Dedicated scale per each ingredient

## LDPE BAGS

/ Automatic bag forming station  
/ Automatic bag sealing and release station

## HANDLING

/ Unloading conveyor systems for bags or euro box

## FILTERING

/ High cleaning performance  
/ ATEX II 2/3-D IIIA T125°C



## SUPERSINCRO

allows precise and safe automatic weighing operations of the products, required for the preparation of powder dyes and chemicals in automatic thermoformed bags, starting from tubular films of LDPE.

# SUPERCOLOR ID-TAG

SINGLE SCALE TECHNOLOGY  
PRODUCTIVITY > 200 BAGS/DAY

## REFILL

- / Vacuum pump with independent suction hoses on each silo
- / Barcode cross-check system
- / Auto-cleaning filter on each silo

## STORAGE

- / Independent PRFV storage silos 150 l capacity
- / Stainless-steel silos 300 l or 150 l capacity
- / Anti-clogging device with dry air blowing system

## DOSING

- / Screw-vibration dosing system for high accuracy
- / Controlled dispensing flow by brushless motor
- / Drive motor installed on the weighing trolley

## WEIGHING TROLLEY

- / Weighing trolley with self-levelling scale support platform (Lauer patented)
- / Electronic scale 0.01 g resolution
- / Dust exhaust filter system

## BUCKET LOADING / UNLOADING

- / Loading conveyor for empty buckets with bags
- / ID-TAG bucket identification system
- / Ionizer system to eliminate electrostatic charges
- / Unloading conveyor for buckets with recipe weighed
- / Bag closure station
- / ID-TAG recipe identification system
- / Identification label for recipe bag



## SUPERCOLOR

is a fully automatic weighing system, allowing safe and clean powder recipes preparations.

# UNICA TWIN

SINGLE OR DOUBLE SCALE TECHNOLOGY  
PRODUCTIVITY > 400 BAGS/DAY

## REFILL

/ Gravity in a rear platform

## STORAGE

/ 12-24 or 36 stainless-steel silos - 100 l

## DOSING

/ Screw dosing system  
/ Scale capacity 30 kg, 0.1 g accuracy  
/ Single or double scale technology

## HANDLING

/ Loading / Unloading conveyor  
/ ID-TAG identification system  
/ Bag closure system

## FILTERING

/ Dust exhaust filter system  
/ ATEX II 2/3 IIIA T125°C



## UNICA TWIN

is a fully automatic weighing system for powder ingredients, granting constant quality and thorough control over paint preparations.

# TD-MATIC

## STORAGE

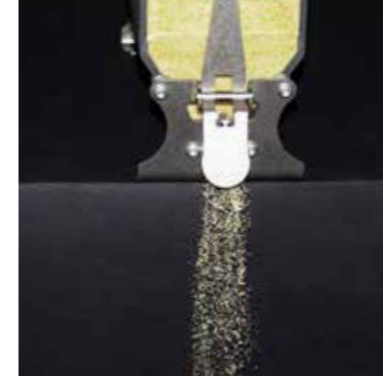
/ Multi-level rack for 82 mini-silos  
/ Mini-silos 2,7 l capacity with stainless-steel dosing screw  
/ Three axes (X-Y-Z) robotic arm for mini-silos handling

## BEAKER PARKING

/ Multi-level parking rack for 36 beakers  
/ Stainless-steel beakers for recipe weighing  
/ Three axes (X-Y-Z) robotic arm for beakers handling

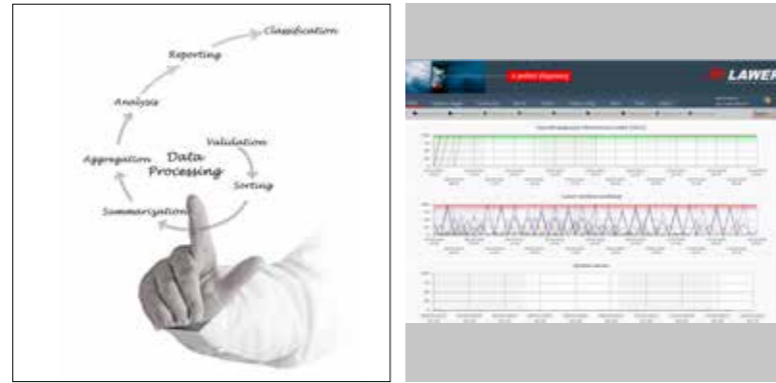
## WEIGHING STATION

/ Weighing station with electronic scale  
res. 0.001 g



TD-MATIC  
the automatic powder weighing  
system automatically weighs  
small quantities of powder for  
the laboratory.

# LEIMS.i



## REPORT

/ General efficiency index (OEE) devices: for each station production efficiency is indicated for the last four working shifts.

/ Workload of the Lawer stations: for each station the work activity percentage refers to the previous 24 hours. The value 100% indicates station over-load, in the last 24 hours it has worked non-stop.

/ Weighed products: in the graphic representations the displays show the total number of weighing calls carried out by the LEIMS.i stations.

/ Executed transfers: in the graphic representation the display shows the total number of transfers to the machine that have been executed by the LEIMS.i stations.

/ System alarms: the diagram displays the alarms or faults occurred in the last 24 hours.

## INTERFACES

/ The LEIMS.i system is predisposed to be interfaced with management and production control systems, by using various communications protocols.

## DDA (DISPENSING DATA AGGREGATION)

/ The system registers every operator intervention to the machines and interfaces to provide detailed web-accessible reporting.



LEIMS.i

is a software package that manages a whole Lawer plant. This tool allows connecting management and program systems, to import production orders and assign them to the machines of the plant.

## LAWER'S WORLD

- Lawer Italy
- Lawer USA
- Lawer Turkey
- Lawer China



## After-Sale Assistance

Short time in the projecting, manufacture and installation of the systems. A prompt after-sales service, able to respond to every request and solve problems with qualified technicians, 4 Service Centers, a Web on-line remote assistance. Support services program designed to optimize the interventions and reduce costs.

## Paint Technology Environmental Friendly

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 provides products, solutions and services to the industry, to increase the reliability, safety and efficiency of dosing and dispensing operations for powders and liquids.

Our core market position, that of a leading global product and solution provider, together with our aim to set strong standards in all areas of our business, are both reflected in our company motto: "The True Accuracy".

We have more than 50 years of experience in supporting the industry to ensure the highest quality of the products. Our ability to do this is based on the "Italian Quality" of our products and services, combined with our continuous investment in developing leading technology. As a result, more than 2.500 Customers have trusted our Company, allowing us to supply them with thousands of systems and solutions during our long history.

Via our world-wide presence, we stand beside our 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.

In more than 16.000 m<sup>2</sup>, 150 employees design, test and produce excellent systems, which are sold worldwide with the collaboration of over 50 sales agencies, installed and assisted as well as from our Italian centre, also from our after-sales offices located in China, Turkey and USA.



## PRODUCT PORTFOLIO

Automatic powder dosing systems with:

- / Single scale technology
- / Double scale technology
- / Multi scale technology

Automatic liquid dispensing systems

- / Volumetric and gravimetric

Laboratory dosing and dispensing systems

## APPLICATIONS

Textile

Paint

Food

Color Master Batch

Technical rubber

Tires

Cosmetic

# Lawer

Since 1970  
the Italian Quality  
for the  
True Accuracy





# PAINT TECH NOLOGY

**LAWER S.p.A.** via Amendola 12/14  
13836 Cossato (BI) ITALY  
Ph + 39 015 9899511  
Fax +39 015 9842211  
E-mail: sales@lawer.com



**LAWER CHINA** LAWER (SHANGHAI)  
DISPENSING SYSTEMS CO., LTD  
Room 2215, Building C, 188  
Zhangyang Road  
PUDONG NEW AREA, SHANGHAI  
Tel. +86 21 50259707  
Fax: +86 21 50259707  
lawershanghai@lawer.com

**LAWER TURKEY** LAWER TEKNİK SERVİS  
HİZMETLERİ TIC. LTD. STİ.  
Adnan Kahveci Bul, Karanfil Sok,  
Sarioglu Apt, No: 6/3, 34180,  
Bahçelievler, İstanbul, TURKIYE  
Tel / Fax: +90 212 671 60 11  
Gsm: +90 533 316 99 75  
lawerturkiye@lawer.com

**LAWER USA** LAWER AMERICA CORP.  
1991 Crocker Road - Suite 600°  
WESTLAKE, OHIO 44145  
UNITED STATES  
Tel. +1 614 697 4288  
laweramerica@lawer.com

[lawer.com](http://lawer.com)

