



COLOR MASTERBATCH TECH NOLOGY





The recipes preparation process to produce Color Masterbatch to be efficient requires weighing accuracy, repeatability, traceability and safety in handling harmful products. Elements that must also be accompanied by high productivity.

- AUTOMOTIVE COMPONENTS
- FLOORING
- PLASTIC TOYS
- PLASTIC COMPONENTS

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

COLOR MASTER BATCH TECHNOLOGY



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

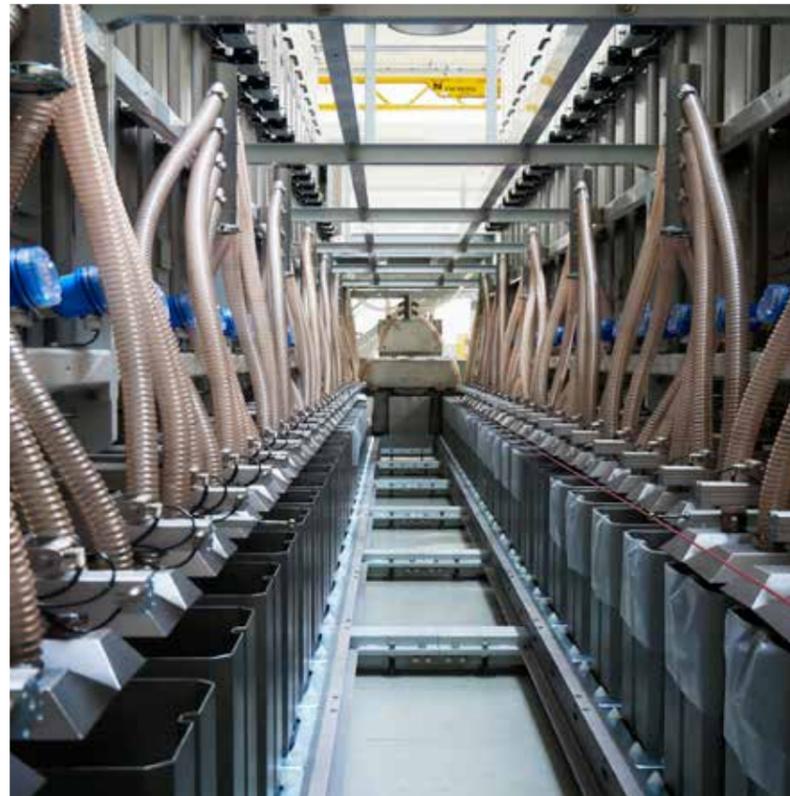
monetary savings

labor cost reduction
material savings

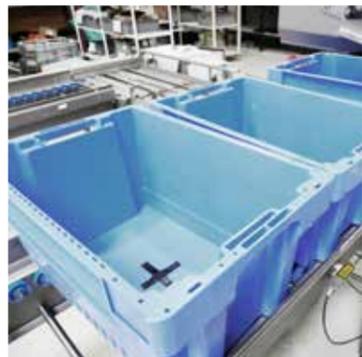


LAWER'S MISSION

Lawer supports **Color Masterbatch** Manufacturers with automatic systems for weighing powders, which guarantee very high productivity and control the production process with precision, repeatability, and traceability, eliminating all risk factors, such as preparation errors and contact with products.



SUPERSINCRO



SUPERSINCRO allows precise and safe automatic weighing operations of the products, required for the preparation of compounds in automatic thermoformed bags, starting from tubular films of EVA or LDPE.

SUPERSINCRO

**REFILL**

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

STORAGE

/ Stainless-steel silos 380 l
/ 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 for each ingredient

EVA / 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 IIIA T125°C



SUPERSINCRO

MULTI-SCALE TECHNOLOGY
PRODUCTIVITY > 2000 BAGS/DAY



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 (Lawer 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 color masterbatch preparations.

TD-MATIC

STORAGE

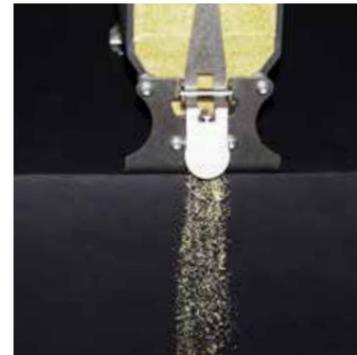
/ Multi-level rack for 82 mini-silos
/ Mini-silos 2,7 l capacity with stainless-steel dosing screw
/ Three axes (X-Y-Z) robotic arm for mini-silos handling

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

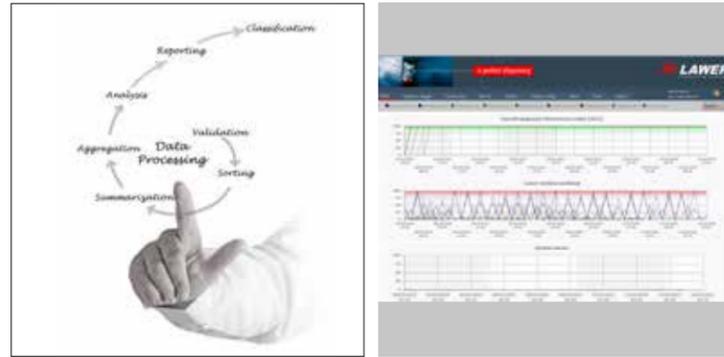
/ Weighing station with electronic scale
res. 0.001 g



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.

Color Masterbatch 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 m2, 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

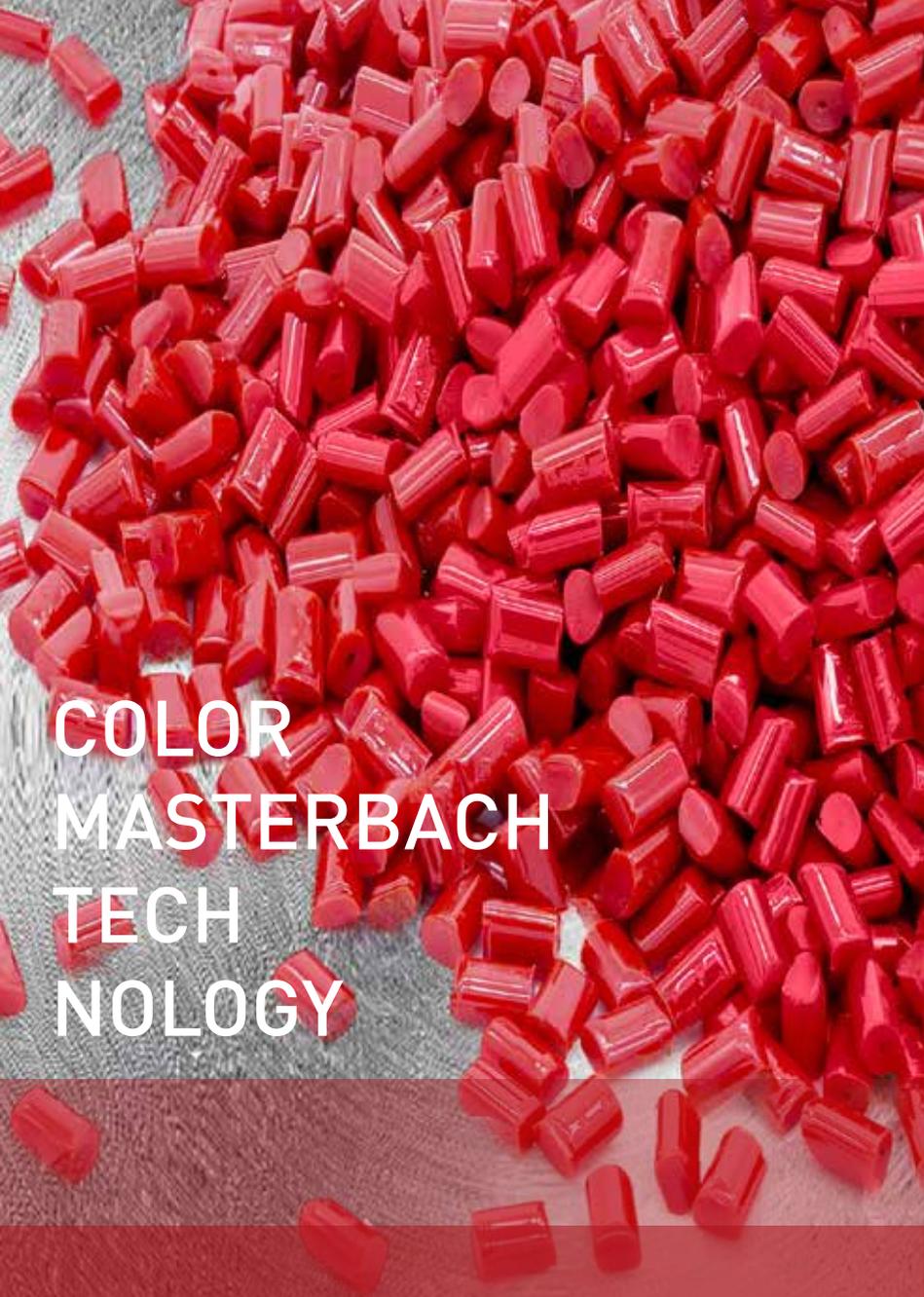
Tires

Cosmetic

Lawer

Since 1970
the Italian Quality
for the
True Accuracy





COLOR
MASTERBACH
TECH
NOLOGY

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