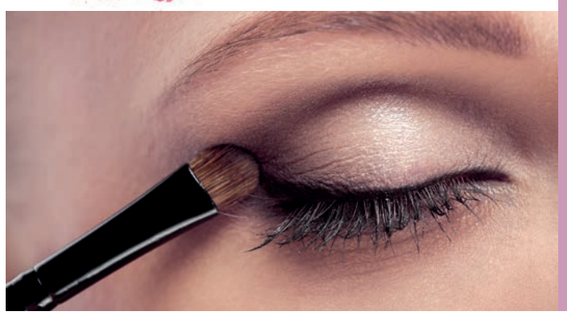
LAWER®
dosing & dispensing systems

COSMETICS TECH NOLOGY



The accurate monitoring of the preparation process of recipes for cosmetics, the repeatability, traceability and above all the safety in handling powder products are fundamental elements for an efficient preparation process, for the quality control and safety of the working environment.

HAIR DYES

MAKE UP

SKIN CARE

01 SUPERSINCRO
02 SUPERCOLOR ID-TAG
03 TD-MATIC
04 COS-LAB
05 LEIMS-i

COSMETICS TECH NOLOGY

LAWER'S MISSION

Lawer supports the **Cosmetics** Manufacturers with automatic systems for powder weighing, that remove risk factors such as weighing errors and contact with products.

ADVANTAGES AND BENEFITS

accuracy
recipe integrity
accuracy in every batch
zero batch rejection

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

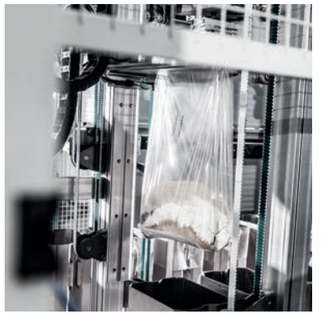
traceability
100% traceability of each product

safety
safe and hygienic working conditions
dust free environment

monetary savings
labor cost reduction
material savings

01

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

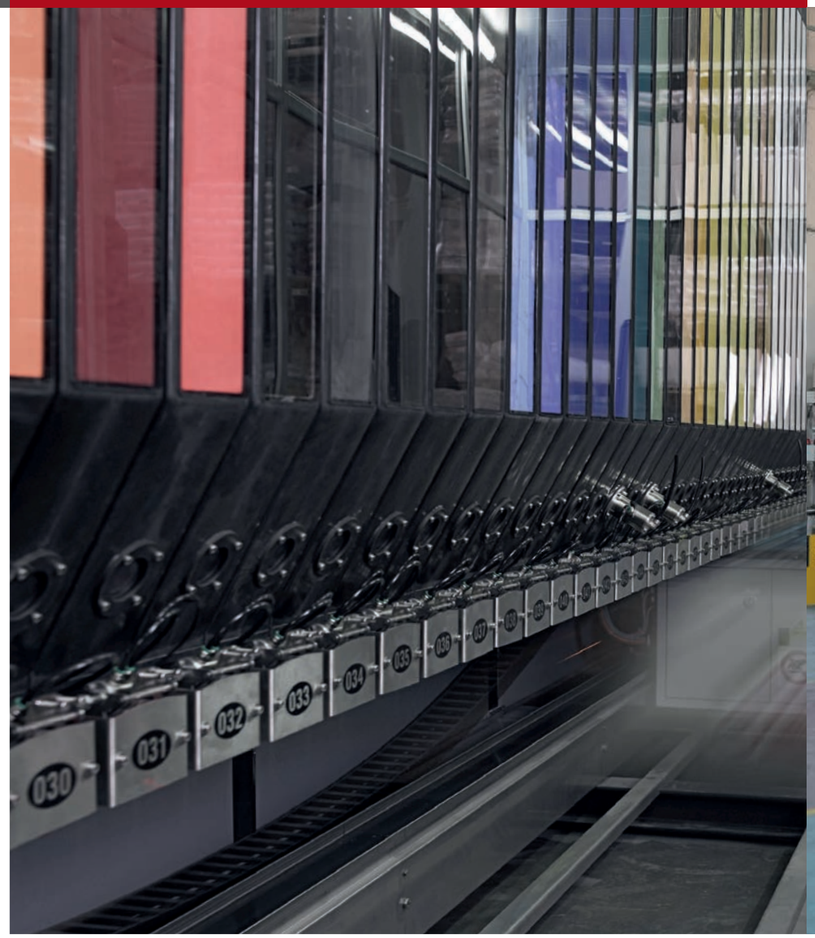
FILTERING
/ High cleaning performance
/ ATEX II 2/3-D IIIA T125°C

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

02

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

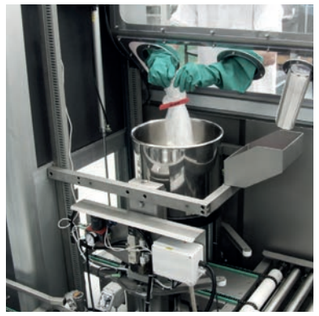
STORAGE
/ Independent PRFV storage silos 150 l capacity
/ Stainless-steel silos 300 l or 150 l capacity
/ Anti-clogging device with dry air blowing system

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

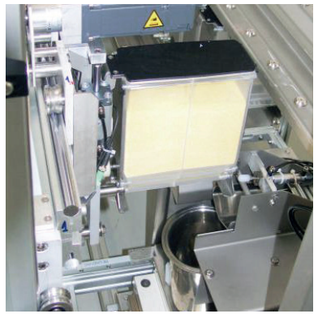
DOWNDRAUGHT EXTRACTION TABLE
/ Working table
/ Powder suction system
/ Centrifugal extractor (floor or wall installation) (1000 m3/h 1,1 KW)



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

03

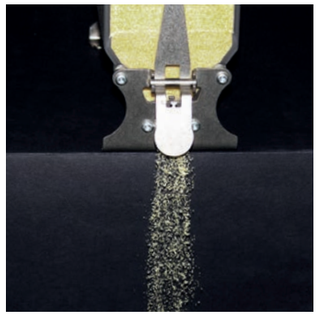
TD-MATIC



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

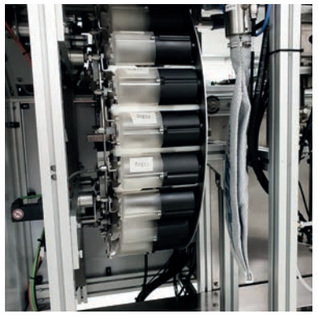
WEIGHING STATION
/ Weighing station with electronic scale res. 0.001 g

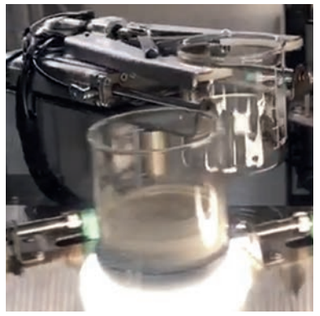


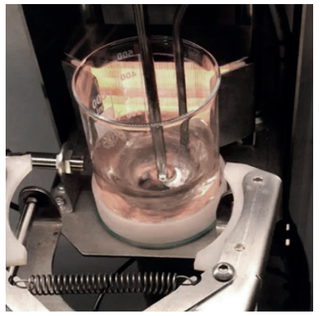
TD-MATIC
the automatic powder weighing system automatically weighs small quantities of powder for the laboratory.

04

COS-LAB







STORAGE (powder products)
/ Support wheel silos
/ 24 silos cap. 340 cc plastic material
/ Manual filling by cap
/ TAG identifier for cargo
/ Dosing system with spring auger

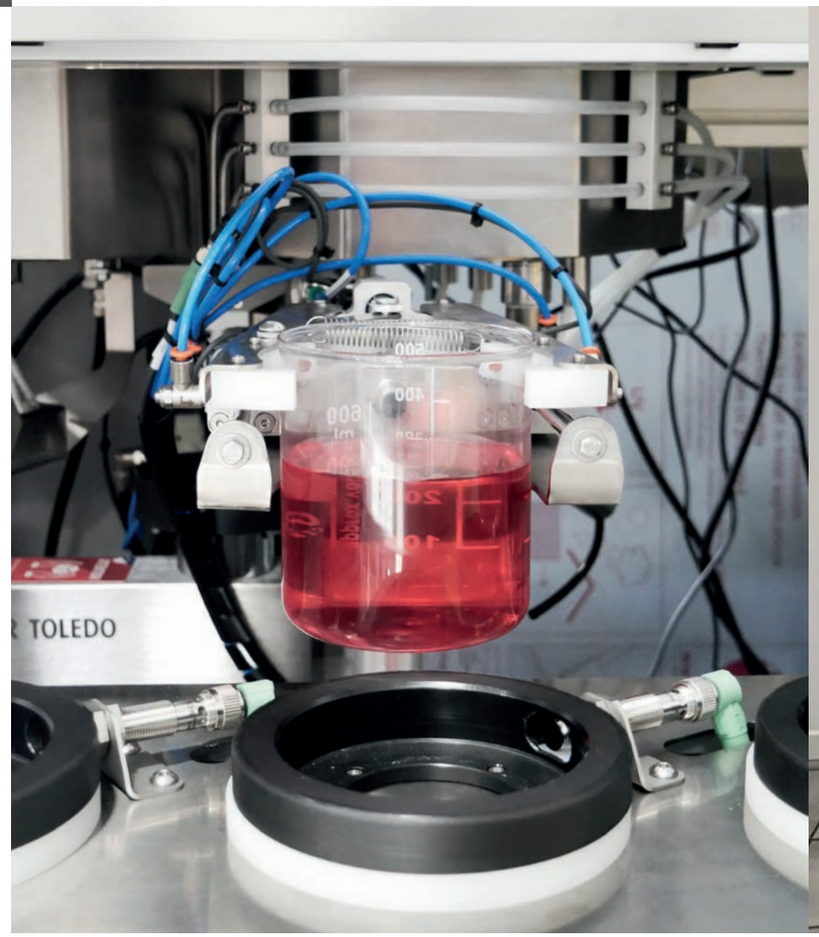
STORAGE (liquid products)
/ Glass bottle cap. 5 l per fat base
/ Glass bottle cap. 5 l for distilled water
/ Drum in PE cap. 2 l for glycol
/ Drum in PE cap. 5 l for Ammonia
/ Drum in PE cap. 4 l for Monoethanolamide (Mea)
/ Drum in PE cap. 5 l for Alcohol (used only for mixer group washing)
/ Pump for dosing liquids

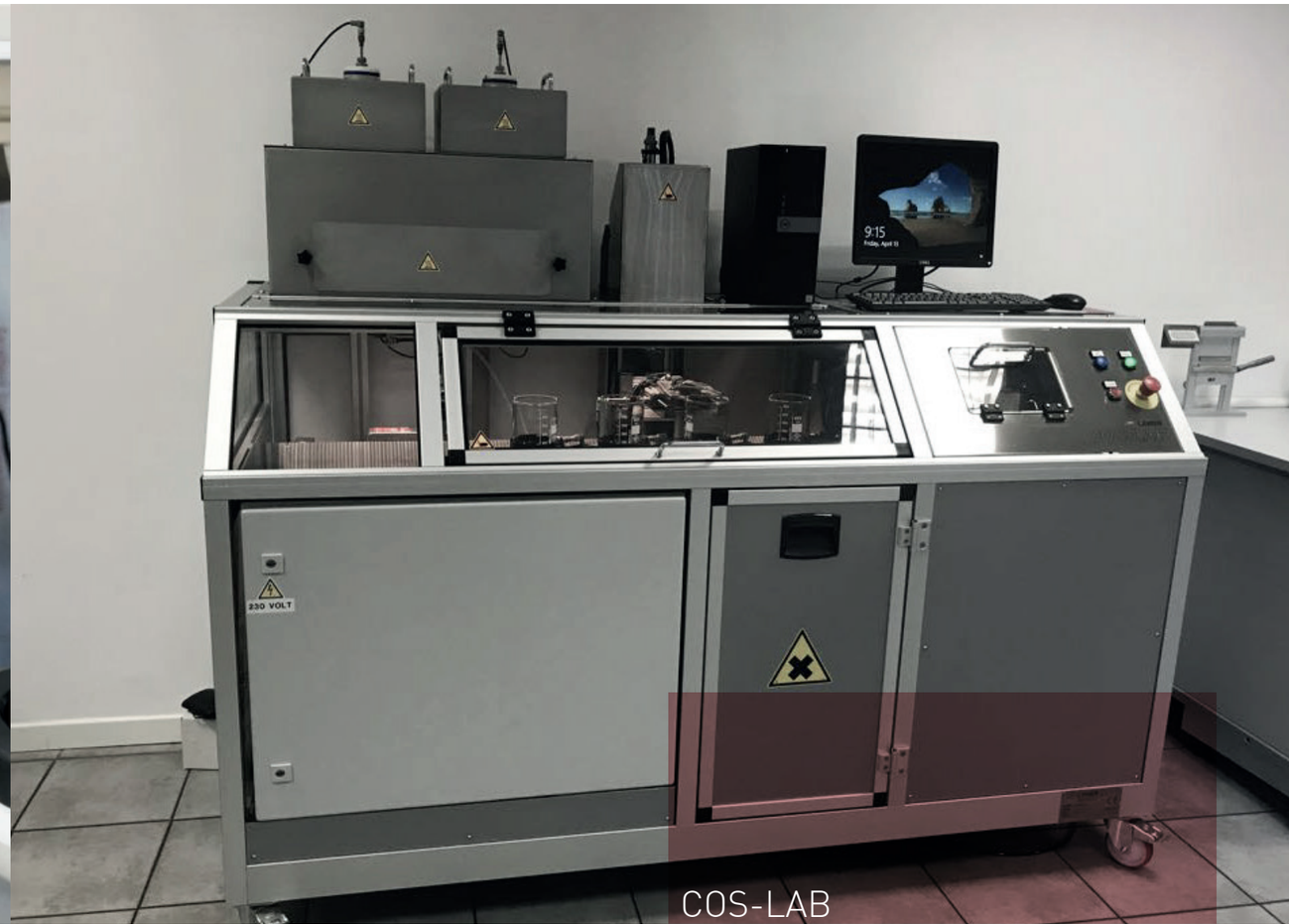
GLASS HANDLING
/ X axis movement unit with rotating arm and glass clamping jaws
/ 6 glasses cap. 600cc
/ Parking table for 6 glasses

WEIGHING - DOSING
/ Powder weighing cell, resolution 0.0001 g
/ Poor suction system during the weighing
/ Flow rate liquid cell resolution 0.01 g

MIXING
/ Mixer with helical impeller, variable speed
/ Mixer washing well
/ Flow rate liquid cell resolution 0.01g

HEATING
/ Heaters for temperature control distilled water, oily base, mixers and pipes

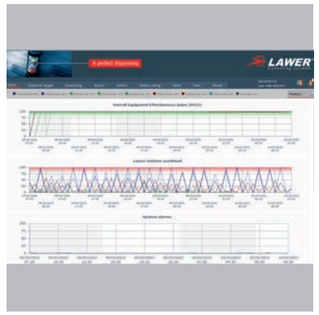




COS-LAB
is an automatic and compact system for the preparation of creams used in dyeing tests on strands of synthetic or natural hair.

05

LEIMS.i



REPORT
/ General efficiency index (OEEI) 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.

Cosmetics 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.

Lawer

Since 1970
the Italian Quality
for the
True Accuracy

LAWER®
dosing & dispensing systems

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

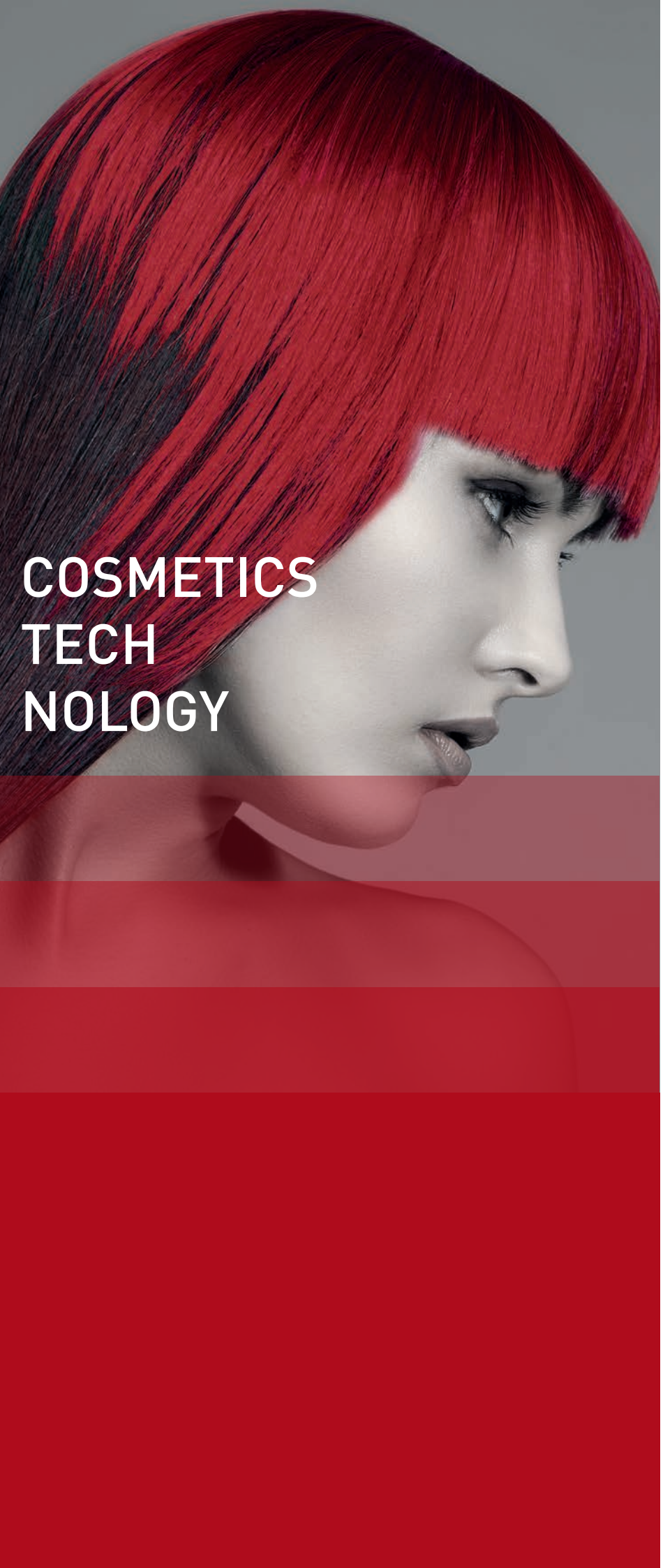
Food

Color Master Batch

Technical rubber

Tires

Cosmetic



COSMETICS TECH NOLOGY

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