

# COLOR SERVICE'S AUTOMATIC DOSING SYSTEM

A new revolutionary system dedicated to the Plastic Industry



Perfect dosing is essential in the production process of all kinds of industries, where the exact dispensing of raw materials is a crucial aspect for the features and function, the final product is designed to have. Accurate weighing is fundamental and plays a crucial role in quality control, traceability, safety, productivity, efficiency and reduction of costs. **Color Service** is an Italian **leading company** in the production of automatic dosing systems of small chemicals in powder and liquid form for compound and master batch preparation. The system is developed to solve problems associated with the manual weighing of pigments or additives and it is designed with the aim to abandon traditional production methods that inevitably would not allow to get a safe, fast and precise dosing. The company has introduced a **New Automatic Dosing System** for the dosing of **pigments and additives** for the production of master batch on the market: the recipes are simultaneously dosed and weighed with the maximum accuracy, increasing and improving the productivity. The system provides a refined dosing methodology, such as to make the **production process repetitive and reliable**, allowing the creation of mixtures of additives with the same specifications and a “zero defects” production,

limiting the human intervention and reducing to zero the risk factors.

In fact, by optimizing and **automating weighing operations**, any chance of mistakes or human error is totally removed: the operator is guided by computerized procedures, which ensures superior quality, lower variability and constant uniformity on the batch.

Furthermore, weighing manually raw material can expose operators to the inhalation of hazardous powders but, automating the weighing phase, the discharge of powders and odors in the environment work is extremely limited thanks to dust extractors under every dispensing point as well as industrial wastages are significantly reduced thanks to the right dosing at the first time.

All the dispersed additives that are aspirated during the weighing phase are recovered and reintroduced into the **production cycle** with obvious **ecological and economic benefits**, in accordance with the circular economy production method. This represents a great potential for the customer who increasingly requires reliable, flexible and safe systems in order to enhance the production in accordance with today's trends, as well as representing a **new and revolutionary product** for the market.