

TM designs, manufactures and sells dosing components, systems and machines for liquids and viscous fluids. TM is a dynamic industrial reality, a close-knit team that integrates the experience from historical minds and the energy of the youth, all coordinated by a great professionalism.

TM was born on 2000 with the aim to become an excellence center for fluid dosing applications, and today it has gathered a unique know-how, covering all possible aspects and complexities of this trade.

This has been made possible also because TM lives and operates within the most important district of automation for industry, that of Bologna (Italy), worldwide known for productive skills and design creativity.

TM has several international patents, and several more are presently pending, which represent an intellectual property and tradition that gathers innovative machines and technologies, studied to offer a concrete and exclusive solution to its customers.

TM is in fact structured to provide quick responses to a continually growing and expanding market, always looking for novelties and performance, efficiency and control, and today TM is to its customers more a partner than a plain supplier.

TM team with professionalism follows each customer all along their project, from early phases with laboratory work to project phases where the drawings are laid down, to prototyping and until the final testing of the chosen solutions and after sale service.

TM's work method in all processes guarantees the highest quality standards, together with the possibility to completely customize products and solutions, because the world of today -and of tomorrow- wants custom.

What remains a constant standard is, instead, our attention to details. Always.

TM offers a wide catalogue of dosing and microdosing elements and groups for dispensing and treatment of industrial fluids. Such elements are designed and manufactured by TM itself to guarantee quality and development of owned technologies.

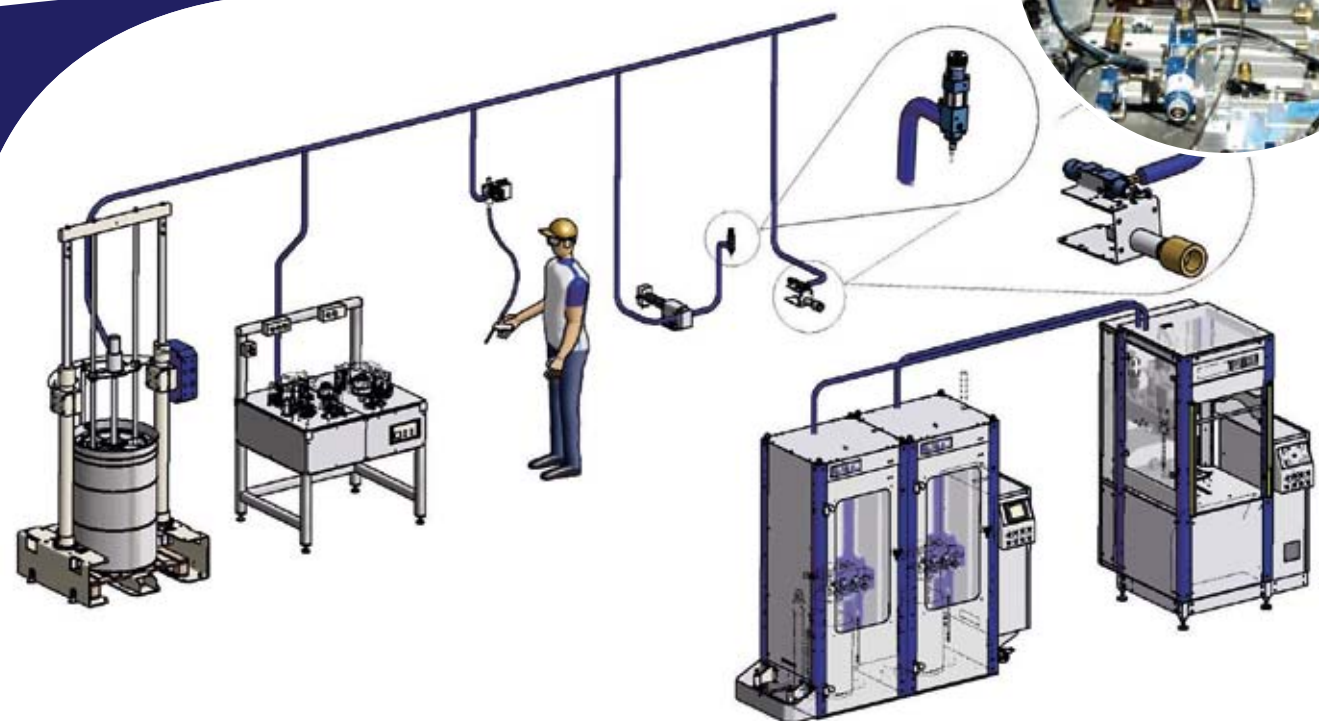
TM furthermore claims an exclusive know-how on dosing and dispensing methods. This allows TM to design and assemble complete dosing systems or equipped working benches to support customers to a higher level with custom tailored solutions for fluid dosing application.

All TM solutions with complete systems are developed in a modular way, to give flexibility, expandability, and mobility, so they can be used in a variety of industrial processes, even where spaces are tight or the application is limited in time. For example, the EMG unit system is the top solution for mobility, while the ECO SYSTEM family was developed for all applications of microspray and is conceived in a flexible modular way that allows for innumerable layout possibilities.

TM dosing systems are easily integrated within automation as automatic or semi-automatic stations, whether new or retrofitted on existing lines.

TM technologies can easily face change of fluids or viscosities and the systems can be re-used or transformed according to the evolution of the application itself, and many are the solutions for dosing of oils, greases, silicones, resins or adhesives.

As another example, the EDT and EDM are particularly handy solutions for flexibility and adaptability, that can perfectly conjugate supported human ability and automation. Last but not least the ETW -equipped tables and benches- are fully customized solutions dedicated to specific applications, another proof of TM's ability to provide specific answers to any dispensing questions.



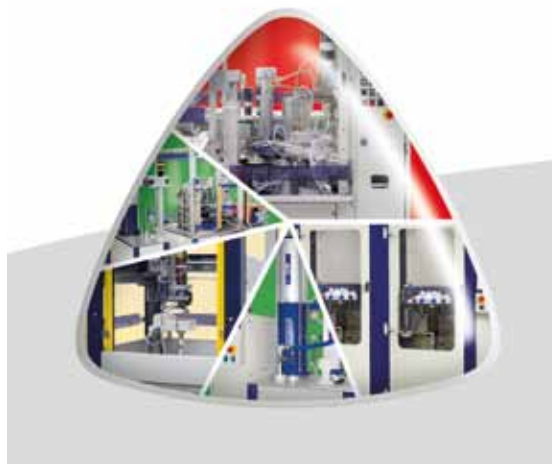
FLUID DOSING SYSTEMS AND INTEGRATED SOLUTIONS



FLUID DOSING COMPONENTS AND TECHNOLOGIES



MACHINES FOR FLUID DOSING AND TREATMENT



FLUID DOSING SYSTEMS AND INTEGRATED SOLUTIONS



TM reserves the right to change technical data, pictures or technical descriptions without prior notice.

TM srl • Via Cicogna 12-14
40068 San Lazzaro di Savena (BO) Italy
Tel. +39 051 6511012 • Fax: +39 051 796966
E-mail: tm-italia@tm-italia.it • www.tm-italia.it

DOSING SYSTEMS FOR ANAEROBIC OR CYANOACRYLATE ADHESIVES



Table-top dosing systems and equipments for fluid application, manually activated or semi-automatic. Suitable for dispensing applications of adhesives, specifically anaerobic or cyanoacrylate or low to medium viscosity resins. The adhesive bottle is directly inserted inside the tank, without pouring. Cycle is managed through its control unit, that can interact with external PLC for enabling or post-cycle signals and alarms. These systems can be completed with holding structure with touch-n-dose for quick action, roto-spray, fixtures, heated tanks or dose control solutions to guarantee the process.

EAC



DISTIK

TABLE-TOP DOSING SYSTEMS



Table-top dosing systems and equipments for fluid application, manually activated or semi-automatic. Suitable for grease, oil, paste, silicone or resin applications, they can be equipped with a variety of dosing elements according to fluid or process. Integrated systems, complete with custom tailored fixtures and supplied with full functional tests at TM, where customers can see and learn how to operate their equipment.

EDT



LUBE

DISTIK

HAND-HELD DOSING SYSTEMS



Hand-held dosing systems and equipments for fluid application, manually activated. Suitable for grease, oil, paste, silicone or resin applications, they can be equipped with a variety of dosing elements according to fluid or process. Integrated systems, complete with custom tailored elements and supplied with full functional tests at TM, where customers can see and learn how to operate their equipment.

EDM



LUBE

DISTIK

E-MOBILE DOSING SYSTEMS



Mobile dosing unit, wheeled, for manual applications and microdosing of lubricants. Complete with feeding accumulator tank, rechargeable from an extrusion pump, and with its own control unit for cycle management. The EMG integrates precision volumetric dosers chosen for the very application and can be completed with custom tailored fixtures, terminals or other appendices that can be interchangeable through quick connectors for a rapid change of use.

EMG



LUBE

MICROSPRAYING SYSTEMS



Microspraying systems predisposed to be integrated onboard automatic presses or lubrication stations. Suitable for low to medium viscosity liquids such as oils, emulsions, water, paints, inks, solvents, etc. Complete standalone systems with own structure which integrates stainless steel pressure tank and control unit with pneumatic and electric circuits. Complete spray cycle management with fine tuning per single channel of air and fluid flows. Possibility to interact with external PLCs to receive start/stop cycle signals. Feeding and management of VMJET spray guns single or in battery to different cover surfaces with a very fine spray, working at super low pressure to minimize fume dispersions and overspray.

ECO SYSTEM



ECO SYSTEM

EQUIPPED BENCHES



Special manual or semi-automatic assisted working stations, equipped with dosing systems and turn-key supplied for manual assembly operations where fluid dosing is required. Completely custom tailored benches manufactured on specifications for dosing and microdosing of lubricant, silicone, resin or adhesive applications during the assembly process. Can be interfaced with existing production lines or external managements for process control.

ETW



LUBE

DISTIK

