



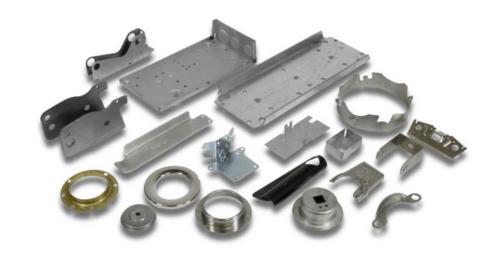


SPRAY LUBRICATION SYSTEM PROMAX



PROMAX APPLICATION FIELDS

The Promax system is conceived for progressive stamping, production of small metal parts and fine blanking application (for material with blank width ranging from 100 up to 800 mm)



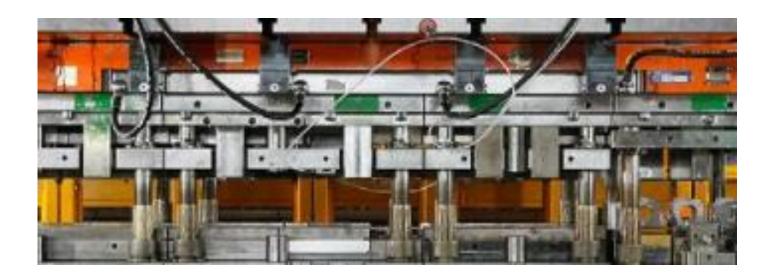


Image 1 & 2 –
Progressive
stamping
products and
progressive
stamping
production line



PROMAX STRIP SPRAY LUBRICATION MACHINE



- The PROMAX controlled spray lubrication system consists of two spray heads (one upper and one lower), connected to an oil tank for the lubricant supply. As an optional, the system can be integrated with an oil mist suction system and/or a plastic tank to collect the lubricant from the spraybox.
- A 7-inch control panel allows to set up all the main lubrication parameters.
- The system allows **lubrication in strips** and is synchronized with the material feeding. The **oil dosage** can be adjusted from 0.5 to 5 g/m².







SPRAYHEADS



- The spraybox consists of **two sprayheads** (one upper and one lower) which can be **extracted from the side** to carry out the main maintenance operations.
- The spraying heads are made up of a variable number of nozzles depending on the material width (from 200 up to 800 mm).
- The electro-pneumatic LVLP spray valves allow a controlled and uniform product distribution on the overall surface.

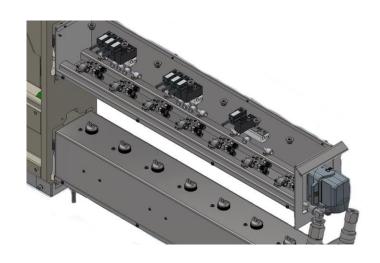
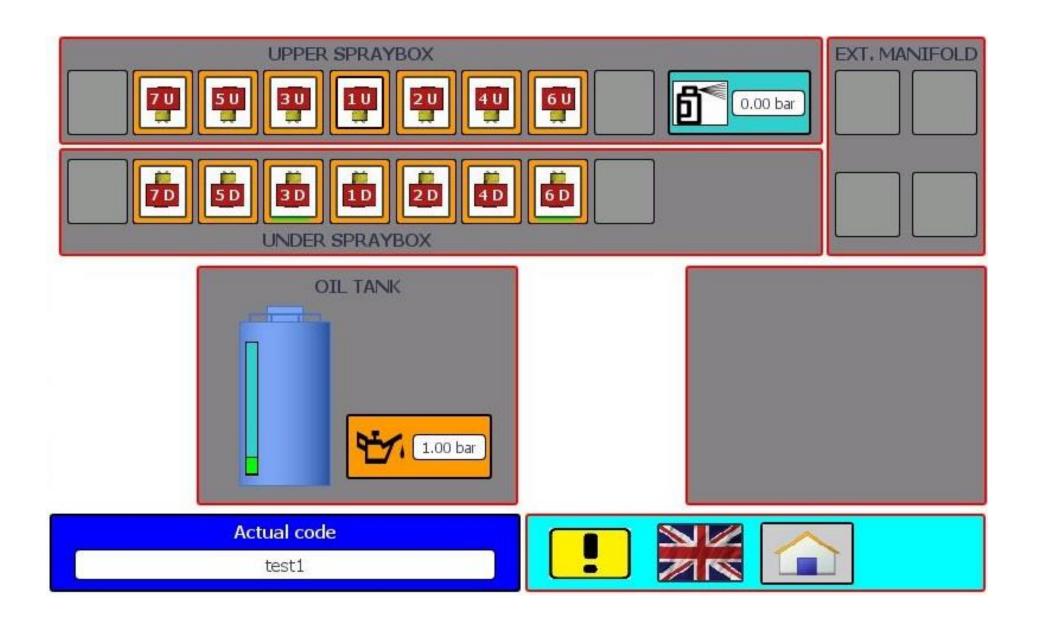




Image 4 – Promax extractable sprayeads

CONTROL BOARD

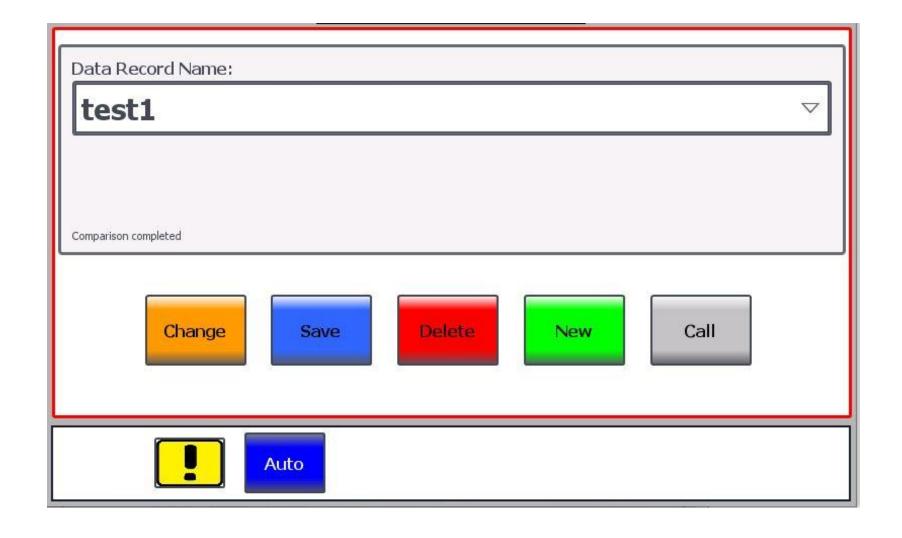




RECIPES SAVING



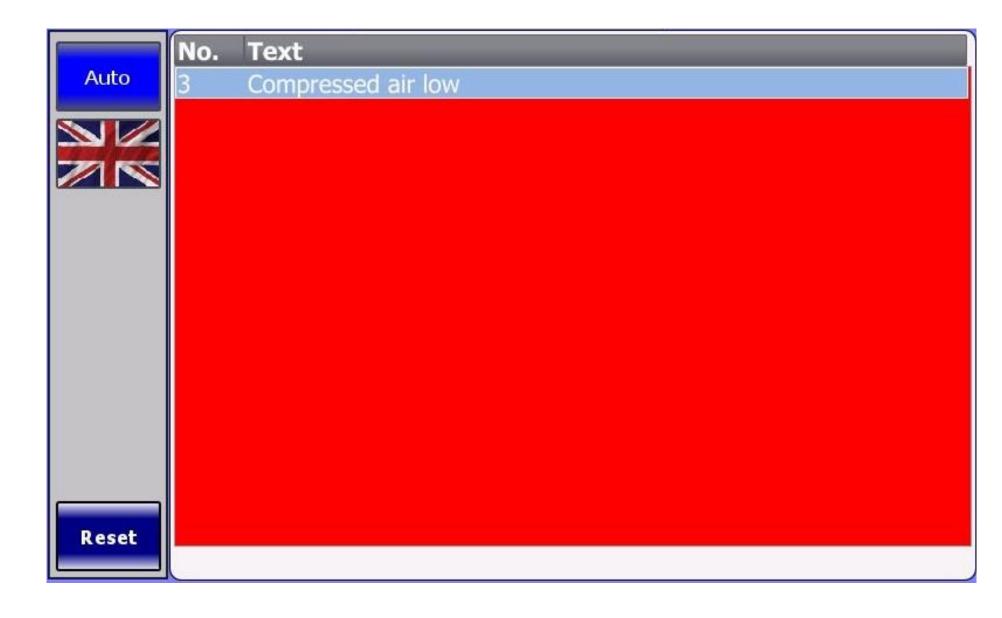
Possibility to save specific recipes with the related lubrication parameters, recall them or modify them if necessary



ALARM DIAGNOSTICS



Display of any alarm and system malfunctioning accessible from the operator panel



OIL MIST EXTRACTION SYSTEM



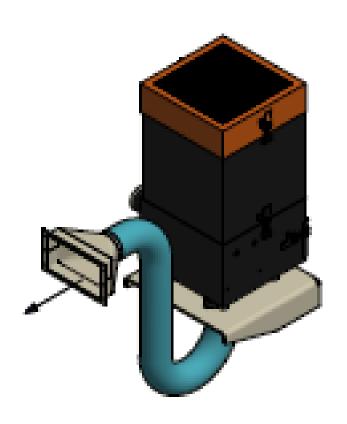


Image 5 - As an optional an Oil Mist Extraction System can be supplied with the machine, in order to reduce oil mists

To minimize the presence of oil mists on the inside of the spray chamber, as an optional our systems can be provided with an *oil mist extraction system* with *high efficiency filter*.

An *analogic pressure gauge* ensures the *monitoring of the filter lifetime*.

OIL MANAGEMENT



- The Promax, as well as the other DieTronic systems, are designed to work with most oilmedia (pure oils with low, medium and highviscosity, as well as water-based oils)
- Besides the standard tank for the first oil, if it is required to handle a second lubricant, an additional tank will be provided
- Each tank is supplied with a visual and an electric oil level indicator, displayed also on the touch-screen panel

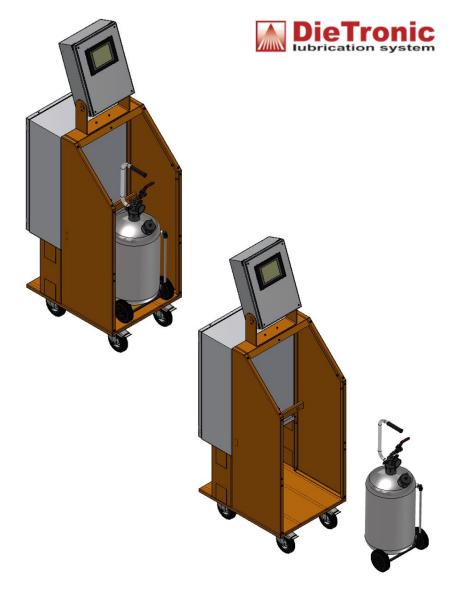


Image 6 - Single and Double Tank configuration according to the number of oils employed



DIE LUBRICATION

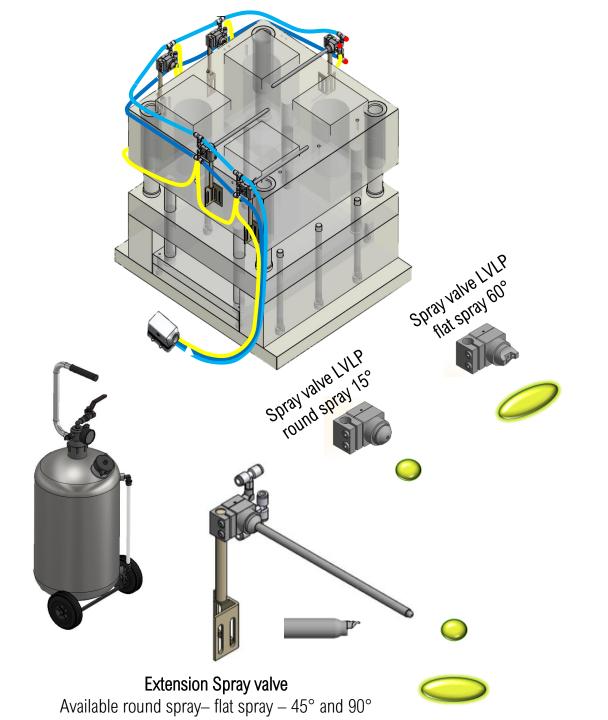
(optional)

As an optional, the Promax System can also be connected to an additional set of 4 LVLP spray valves for the re-lubrication of specific points on the die.

In this case, the spray valves are connected to an additional tank, while their management is integrated into the Promax control.

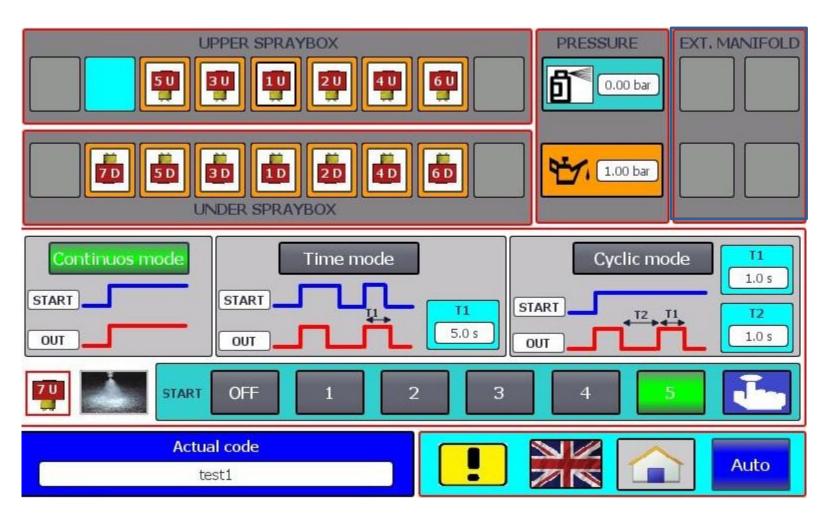
It is also possible to use this system separately from the Promax control but the management of the valves for the spraying activation should be integrated into the line by the customer.

The tank is provided with a visual level indicator.





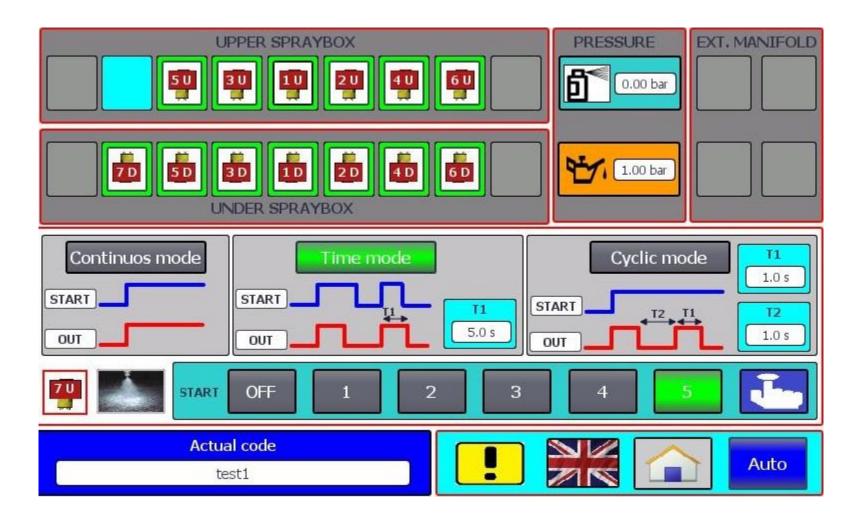
PROMAX DIE CONTROL BOARD Continuous mode



Working mode connected to the external start signal



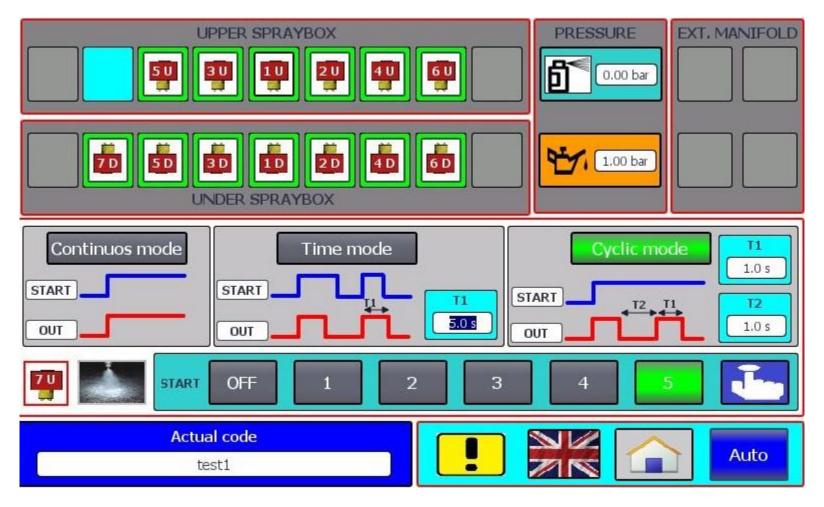
PROMAX DIE CONTROL BOARD Time mode



Working
mode set
according to
the activation
and
deactivation of
the nozzles
working cycle



PROMAX DIE CONTROL BOARD Cyclic mode



Working mode related to the setting of the spraying time and cycle number

LOCAL TECHNICAL SUPPORT WORLDWIDE





Our Team is available worldwide for:

- Technical Support
- Periodical Maintenance Programs
- Possibility of remote assistance (h24)
- Spare Parts Stock, completely available in
- ✓ Italy
- ✓ US
- ✓ China
- ✓ Brazil



References Automotive OEM

















References Automotive T1 and T2























































References Integrators



















































References Appliance

























AGA RANGEMaster











Via Madre Teresa di Calcutta 9-13, Z.I. Malpensata, 26866 Sant'Angelo Lodigiano (LO) – IT

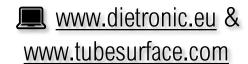


+39 0371 210 129





sales@dietronic.eu















THANK YOU FOR YOUR ATTENTION