

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



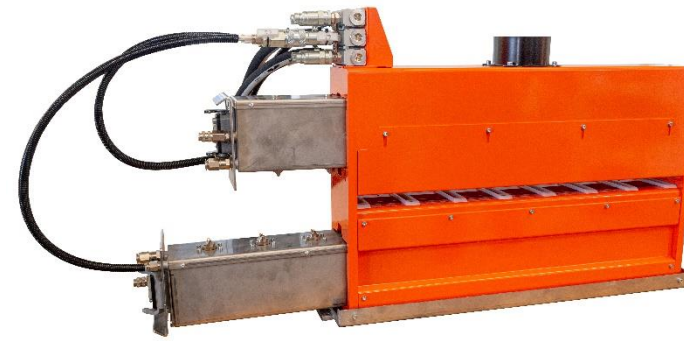
PROMAX STRIP SPRAY LUBRICATION MACHINE

- 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.

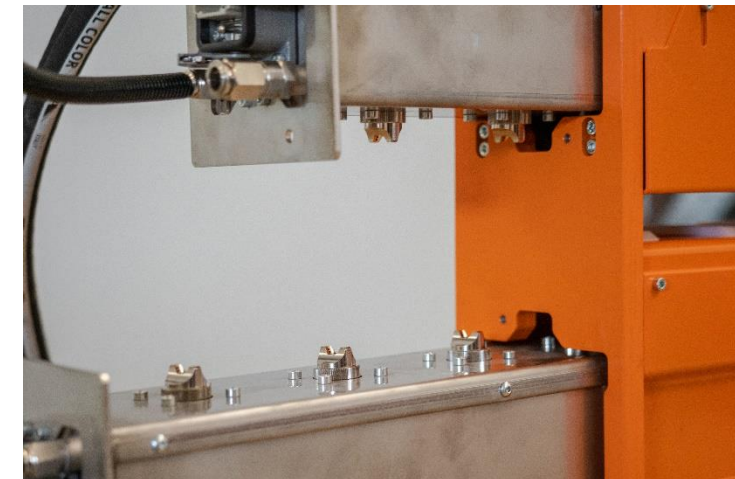
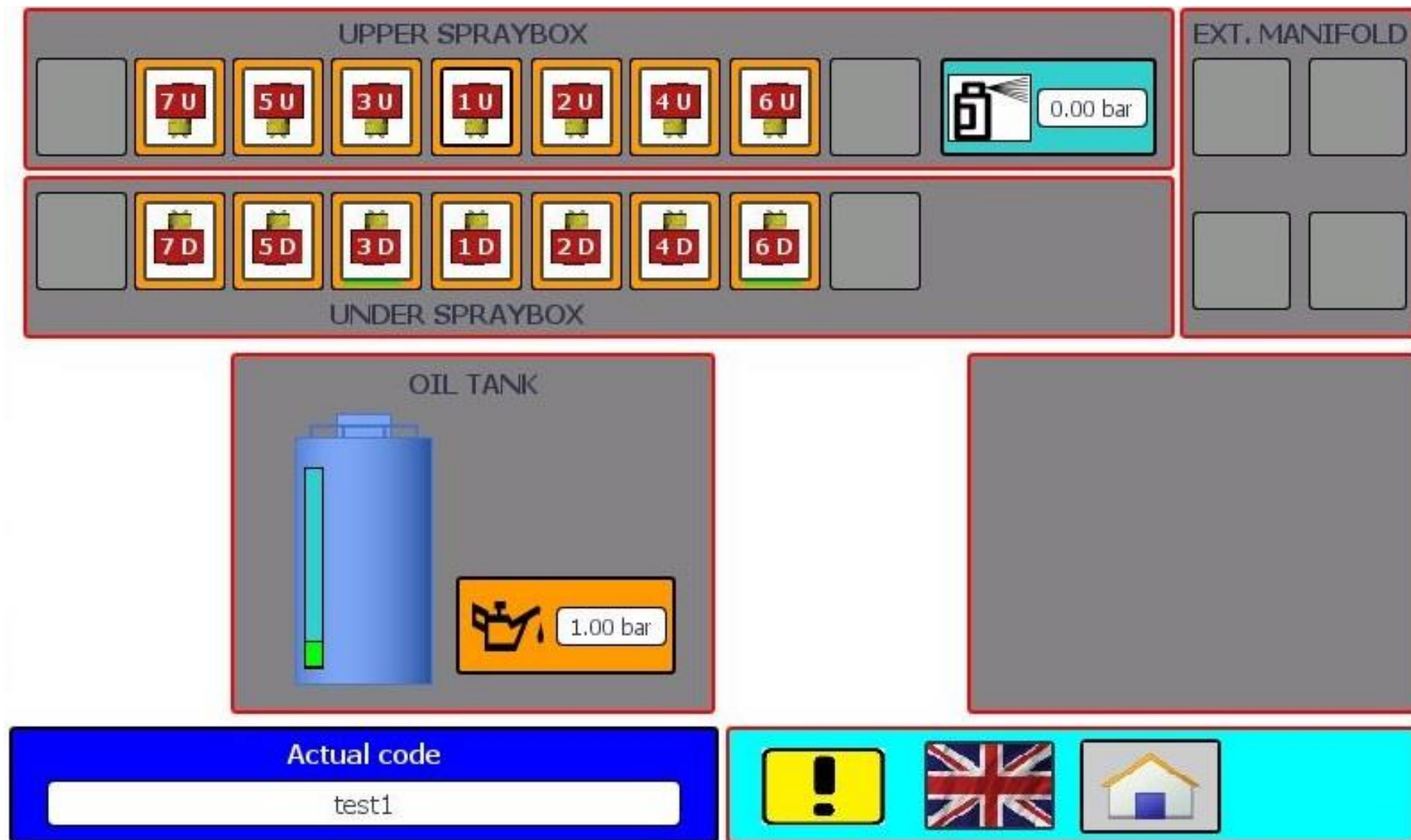


Image 4 – Promax extractable sprayeads

CONTROL BOARD



RECIPES SAVING

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

Data Record Name:

test1

Comparison completed


Change

Save

Delete

New


Call



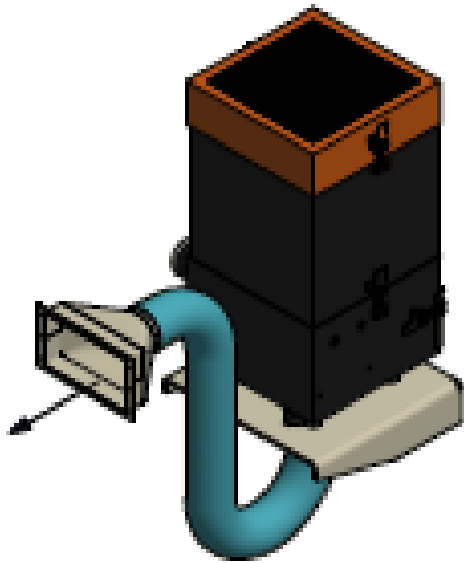
Auto

ALARM DIAGNOSTICS

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

Auto	<table><thead><tr><th>No.</th><th>Text</th></tr></thead><tbody><tr><td>3</td><td>Compressed air low</td></tr></tbody></table>	No.	Text	3	Compressed air low
No.	Text				
3	Compressed air low				
					
Reset					

OIL MIST EXTRACTION SYSTEM



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*.

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

OIL MANAGEMENT



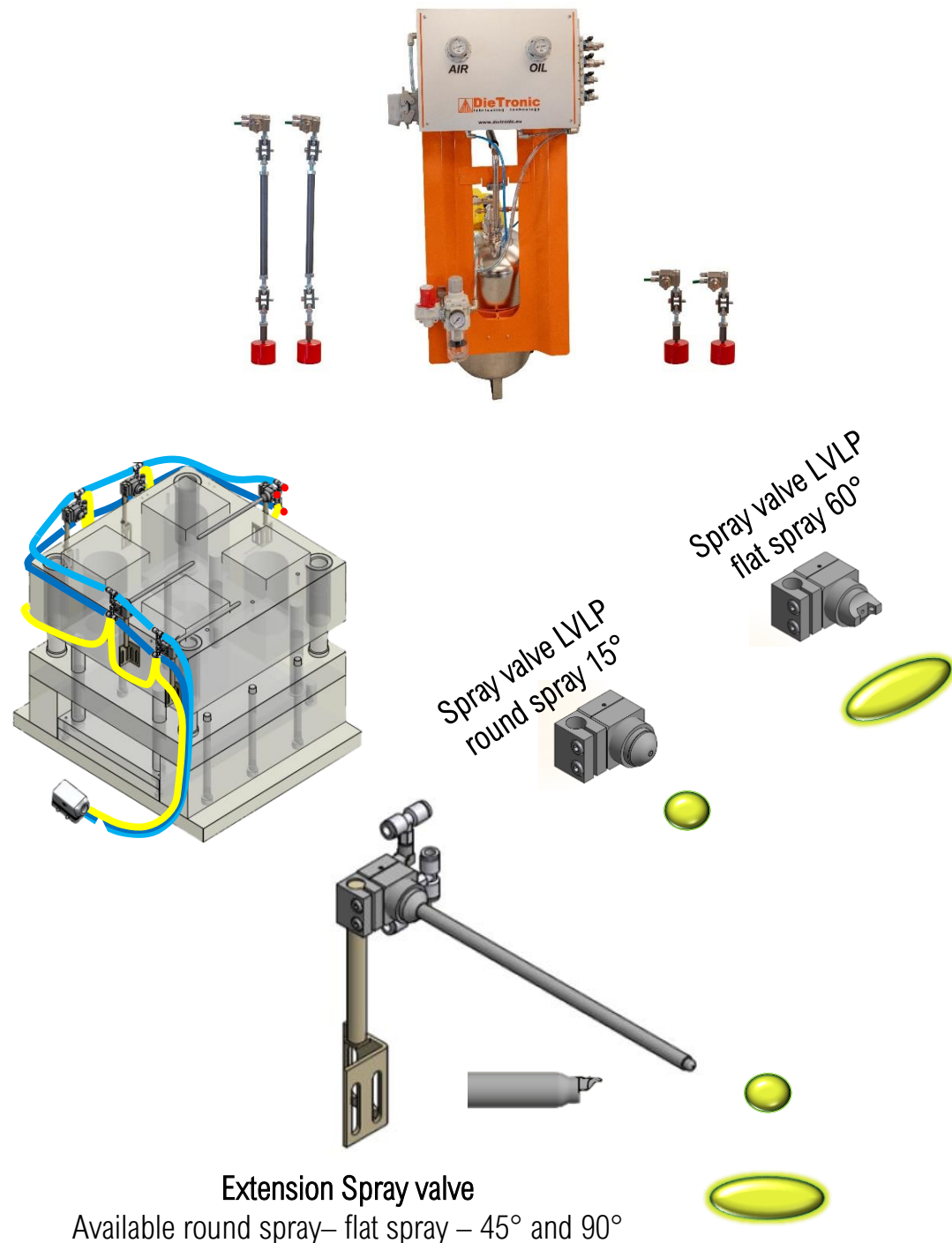
- The Promax, as well as the other DieTronic systems, are designed to **work with most oil-media** (*pure oils with low, medium and high-viscosity, as well as water-based oils*)
- Besides the standard tank for the first oil, if it is required to handle a second lubricant, **an additional tank** will 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)



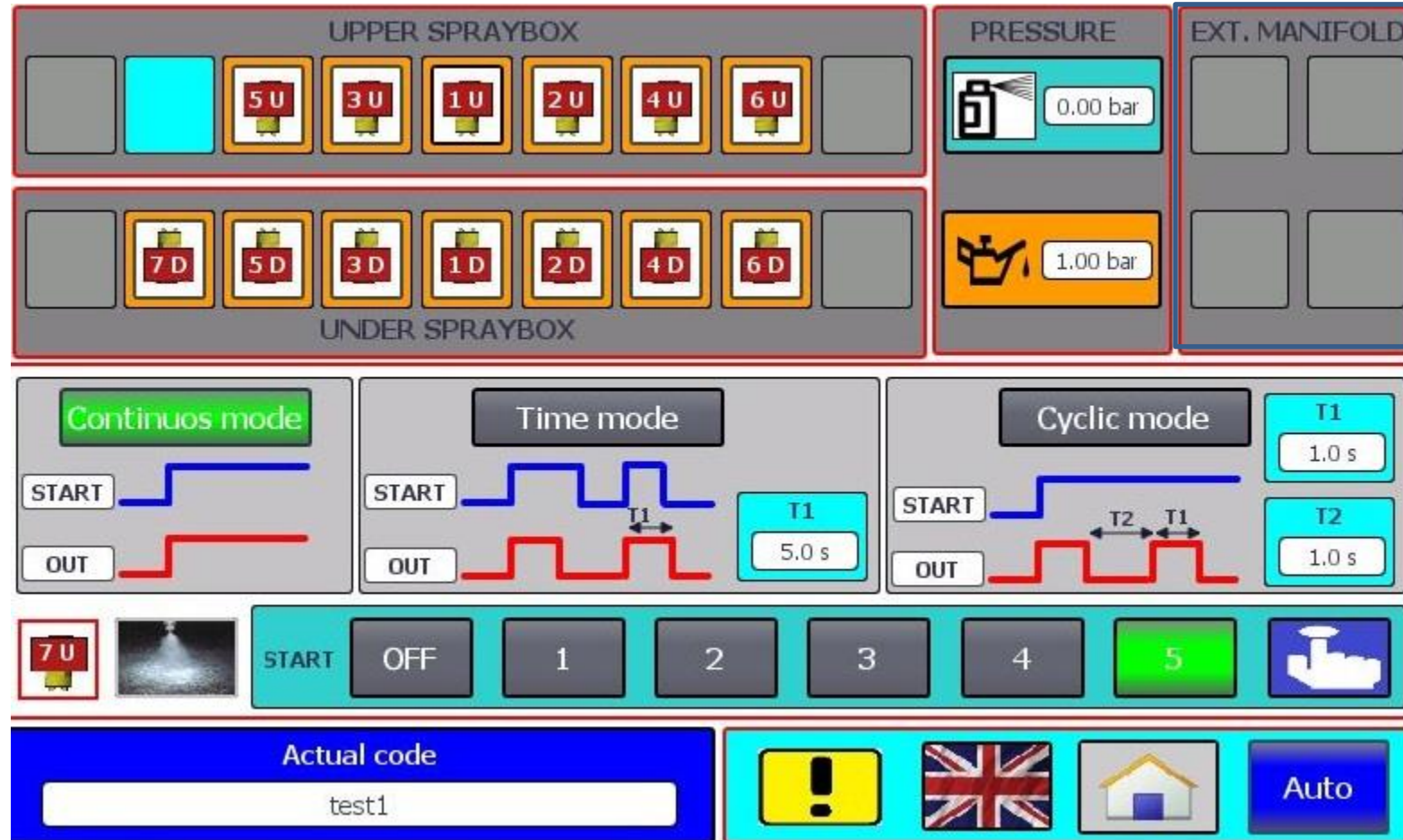
As an optional, the Promax System can also be connected to an additional set of **4 LVLP spray valves** for the re-lubrication of specific points on the die. In this case, the spray valves are connected to an additional tank, while their management is integrated into the Promax control.

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

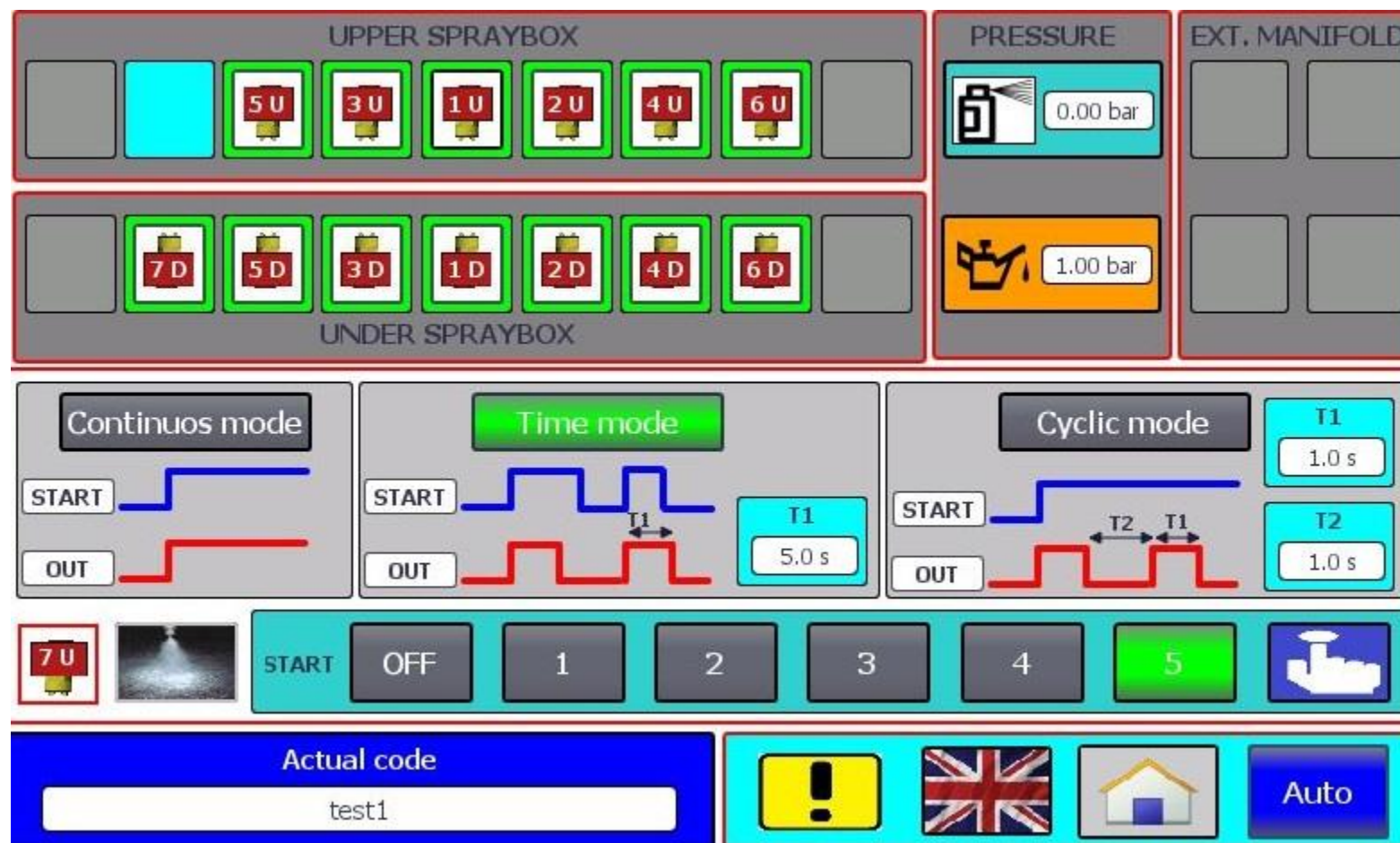
CONTINUOUS MODE



Working mode connected to the **external start signal**

PROMAX DIE CONTROL BOARD

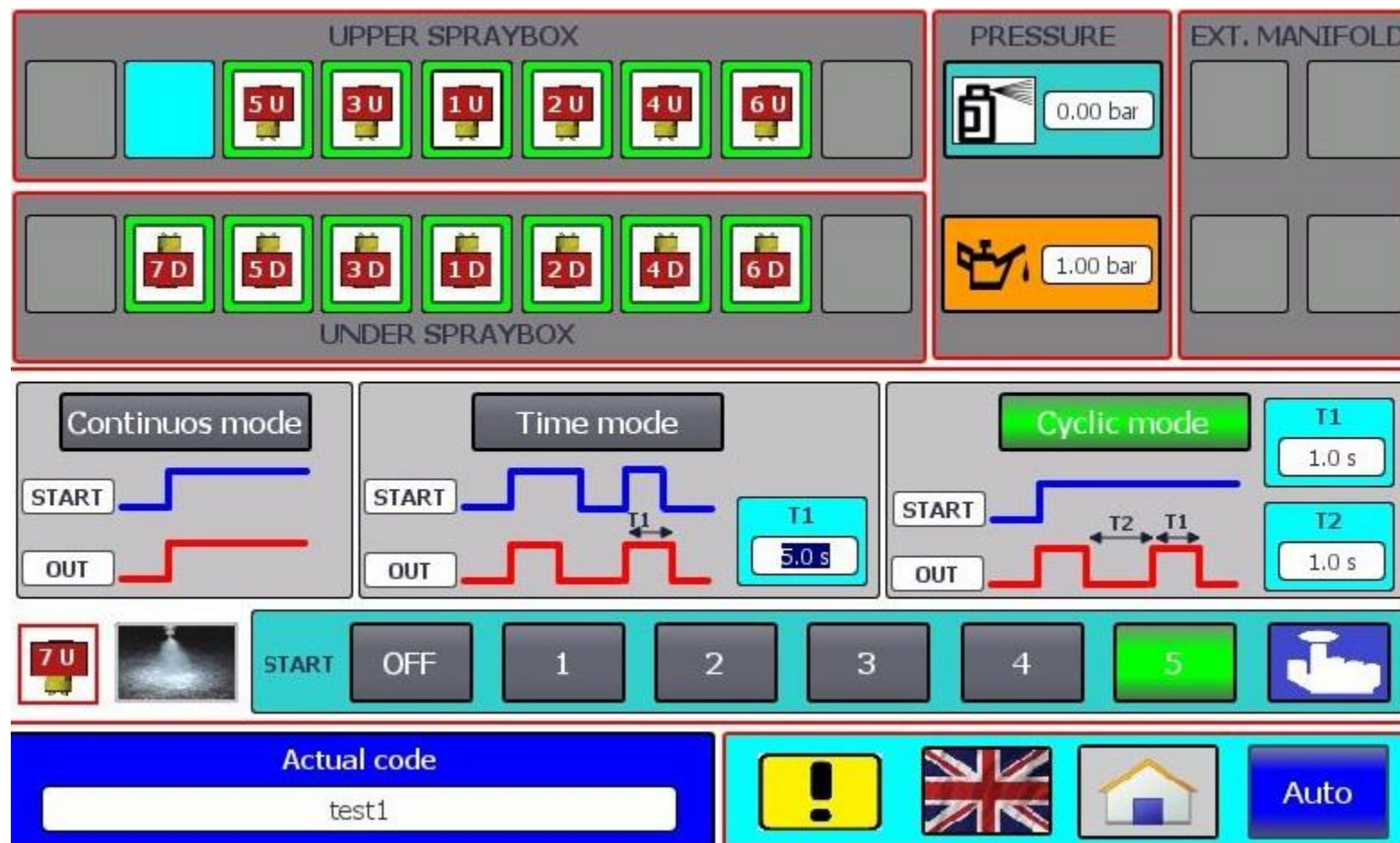
TIME MODE



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



DieTronic



DieTronic



DieTronic



DieTronic



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



General Motors



RIVIAN



REFERENCES AUTOMOTIVE T1 AND T2



REFERENCES INTEGRATORS





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THANK YOU FOR YOUR ATTENTION