

# YOUR PARTNER LUBRICATION



ROLL  
LUBRICATION



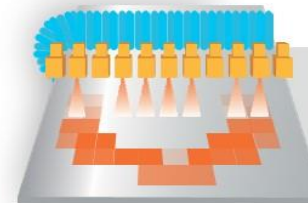
POINT  
LUBRICATION



STRIP  
LUBRICATION



SECTORIAL  
LUBRICATION



CLEANING AND SECTORIAL  
LUBRICATION



# DieTronic Automatic Cleaning and Spray Lubrication System Speed MCL

For Motor Magnetic Laminations and Electric Contacts Application





*First DieTronic facility in Via Cavalier Angelo Manzoni  
28, Sant'Angelo Lodigiano 26866 (LO) , Z.I. Maiano*



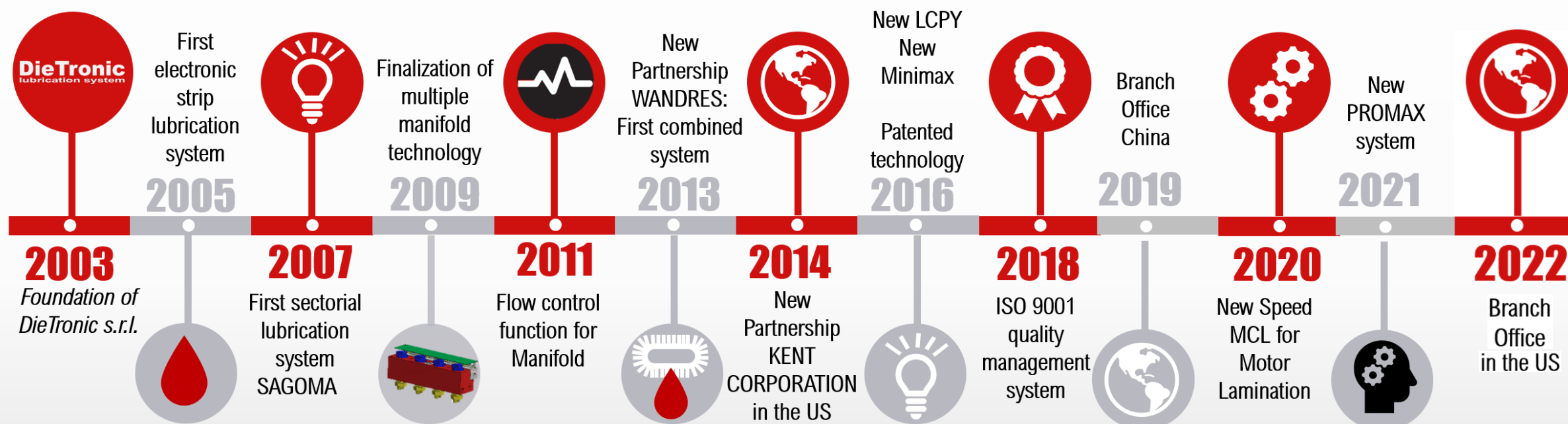
*DieTronic consolidated technology is the result of years of research, development and improvement*

## **OUR HISTORY**

DieTronic was founded in 2003 thanks to the consolidated know-how and forward-looking vision of its founders, who desired to provide advanced automatic lubrication systems of the highest quality for different metal-forming applications.

Thanks to our over fifteen-years experience, we have been able to develop a consolidated and patented technology, with an internal efficient quality management system certified also by the achievement of ISO 9001:2015.

# OUR HISTORY





# ABOUT US

- 2000 m<sup>2</sup> plant
- +20 years experience
- 1000 machines produced



*The new DieTronic plant in Via Madre Teresa di Calcutta 9-13,  
Sant'Angelo Lodigiano 26866 (LO) , Z.I. Malpensata*



# ***OFFICES***



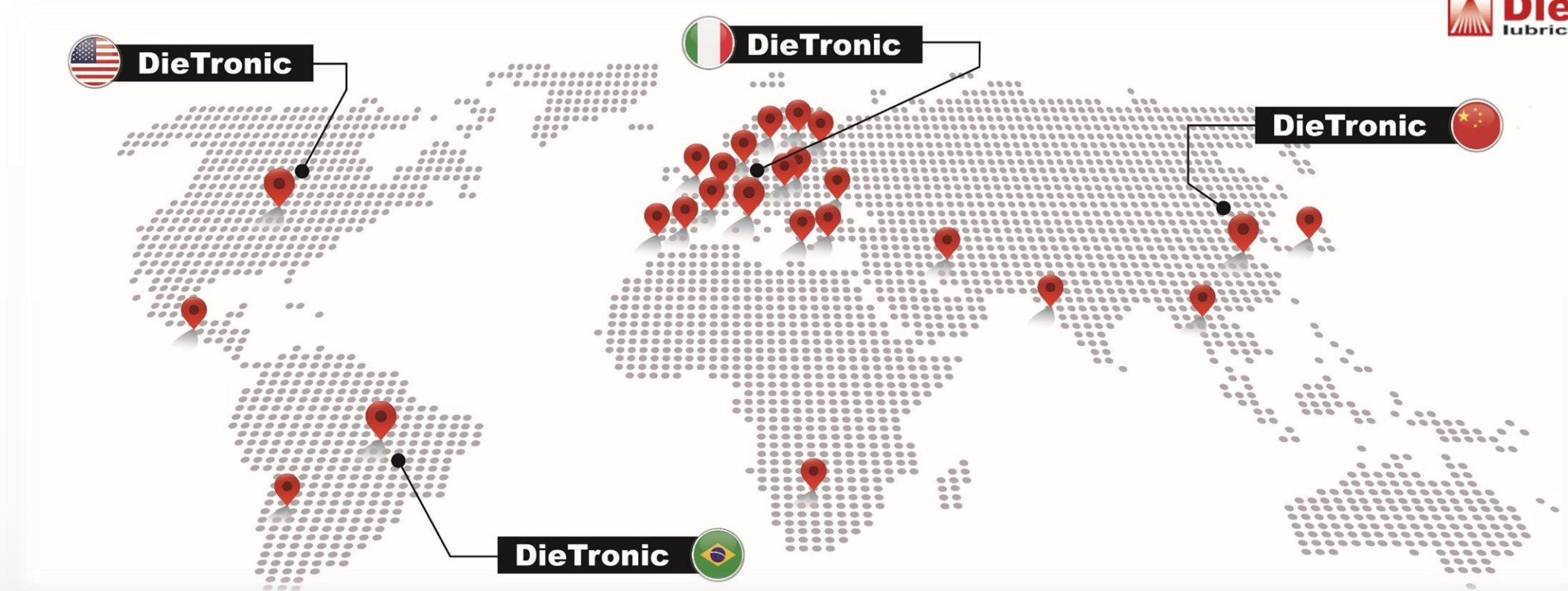
# ***PRODUCTION***



# ***WAREHOUSE***







*DieTronic agents and distributors network*

# **GLOBAL PRESENCE**

DieTronic boasts a long series of collaborations and partnerships with companies and well-known factories in Italy as well as in Europe and all over the world.

Our distribution network offers support to the customer starting from the consultancy to the assistance and maintenance, also through remote assistance.

# DIETRONIC SPEED MCL

for high speed and high precision presses





# **DIETRONIC SPEED MCL:**

## **The Advantages of Brush Cleaning**

*DieTronic has designed a Brush Cleaning Unit to be employed in combination with our Lubrication Systems. Among the many benefits:*



Constant cleaning  
quality with minimum  
maintenance efforts



Removal of  
even the tiniest  
particles



Suitable for both  
steel and  
aluminium  
surfaces



Little maintenance  
required



Scraps and rework  
reduction



Process safety  
improvement

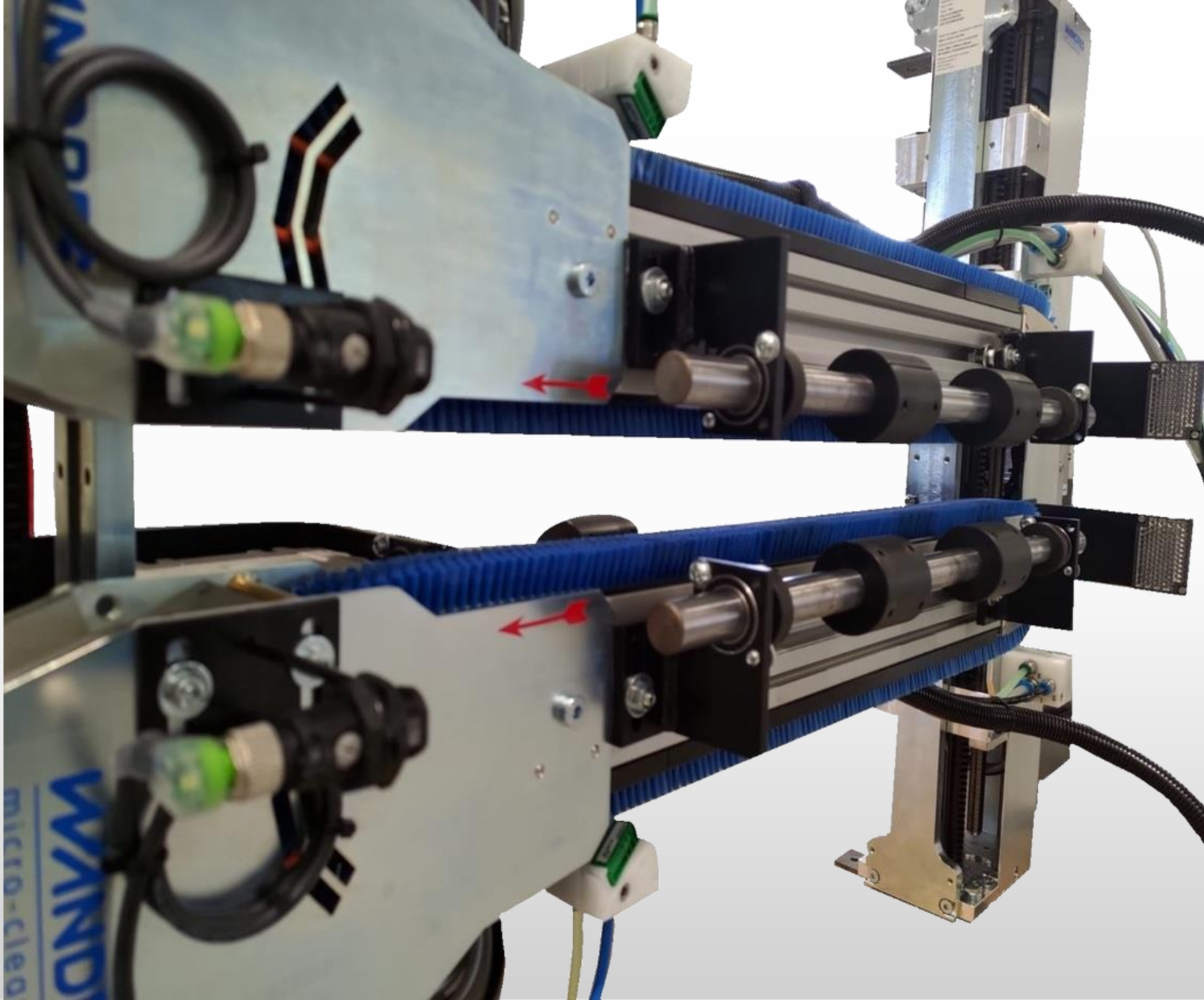


Money saving



Better lubrication  
result



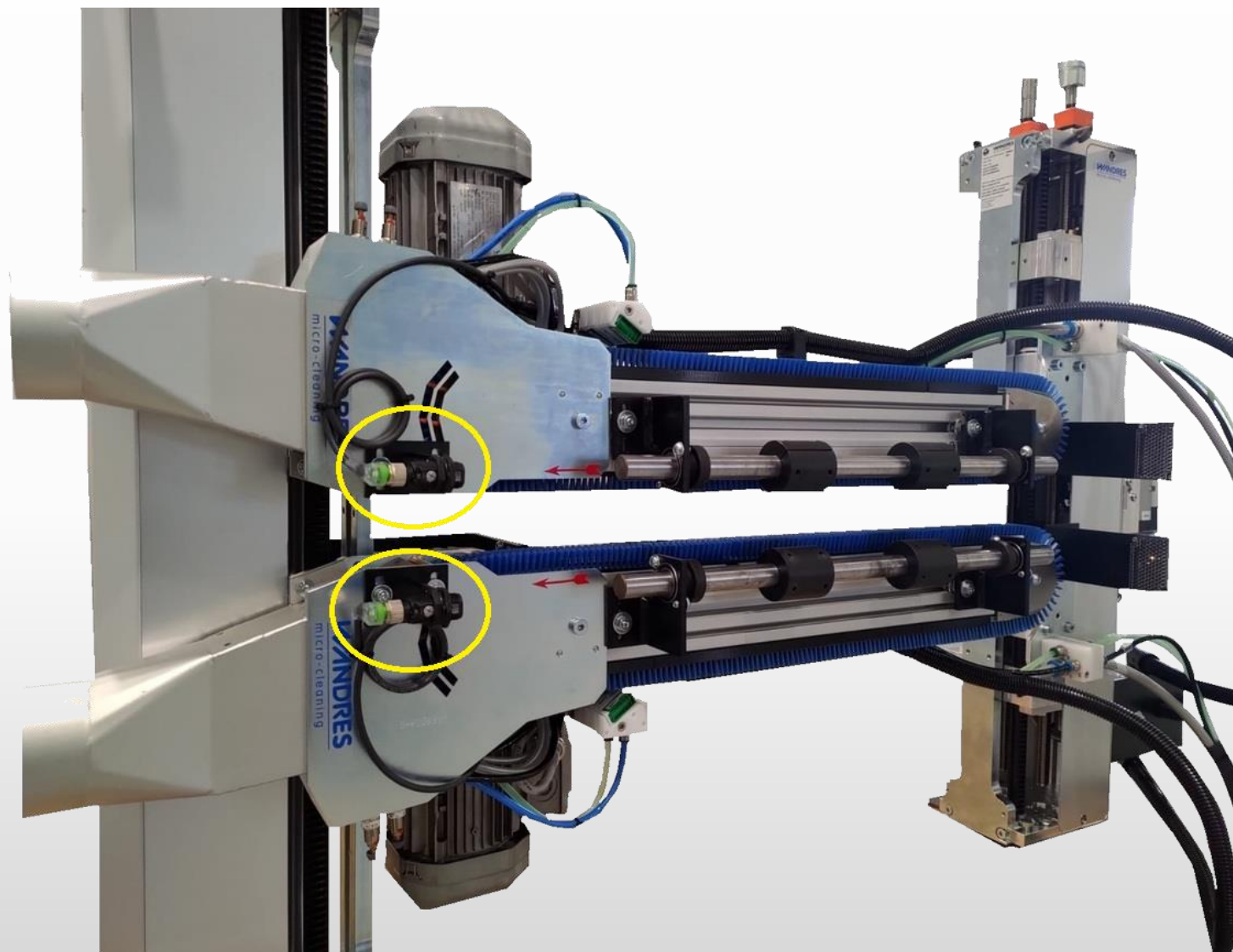


# **BRUSH CLEANING SYSTEM**



# ANTICOLLISION SENSORS

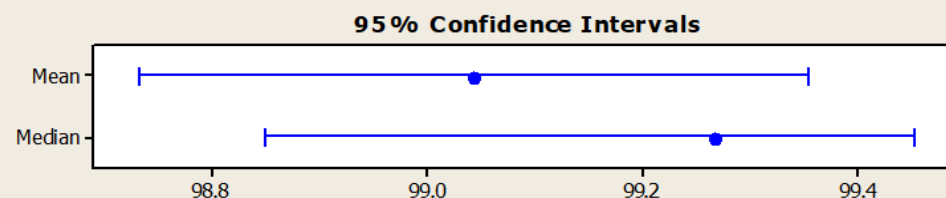
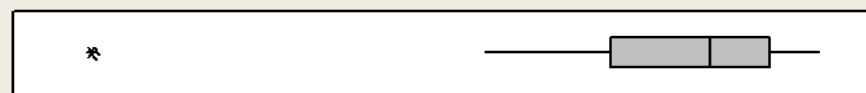
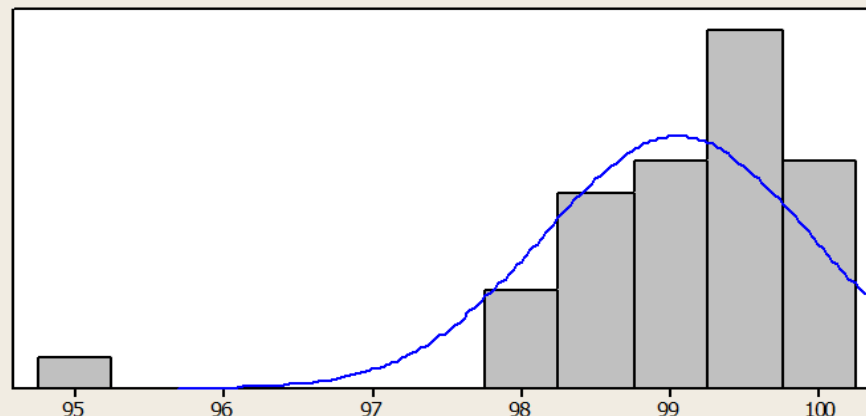
These sensors (circled in yellow) are able to detect any risk of potential crash between the blank and the machine structure and to adjust the distance between the brushes accordingly, avoiding any possibility of blank damages



# CLEANING PERFORMANCE OF DIETRONIC BRUSH CLEANING

European OEM Customer  
Testimonial

Graphical Summary for % Dirt Removed



Anderson-Darling Normality Test

A-Squared 1.60  
P-Value < 0.005

Mean 99.042  
StDev 0.903  
Variance 0.815  
Skewness -2.56488  
Kurtosis 9.78516  
N 35

Minimum 95.114  
1st Quartile 98.603  
Median 99.266  
3rd Quartile 99.662  
Maximum 100.000

95% Confidence Interval for Mean  
98.732 99.352  
95% Confidence Interval for Median  
98.849 99.452  
95% Confidence Interval for StDev  
0.730 1.182



Min. Cleaning  
Performance

Average Cleaning  
Performance

Max. Cleaning  
Performance



Cleaning performance **minimum: 98,6%**, maximum: 99,6%, average 99,2%.



# DIETRONIC SPEED MCL: FEATURES



CONTROLLED  
AND  
AUTOMATIC  
LUBRICANT  
DOSING  
FROM TOUCH  
SCREEN  
PANEL, FOR A  
ACCURATE  
APPLICATION  
IN G/M<sup>2</sup> AND  
ML/MIN



FLOW  
CONTROL  
TO ENSURE A  
CORRECT AND  
CONSTANT  
APPLICATION



AVAILABILITY  
OF DIFFERENT  
SPRAY BOX  
DIMENSIONS  
ACCORDING  
TO COIL  
WIDTH  
(50, 100, 200,  
300 MM)



INTEGRABILITY  
WITH  
ADDITIONAL  
LUBRICATION  
POINTS  
(MAX. 12)  
TO RELUBRICATE  
SPECIFIC AREAS



POSSIBILITY TO  
MANAGE  
DIFFERENT OIL  
MEDIA



ADDITION OF  
MIXER  
SYSTEM  
FOR WATER-  
BASED  
PRODUCTS



SUCTION  
SYSTEM  
TO REDUCE TO  
A MINIMUM  
THE OIL MIST  
DISPERSION

# DIETRONIC SPEED MCL: Standard Configuration



MCL Control  
Panel with tank



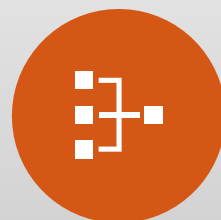
Additional 2° tank with  
possibility of integration  
with mixer system (for  
water-based products)



Spray Box  
(available sizes: 50,  
100, 200, 300 mm)



Oil Mist Extraction  
System

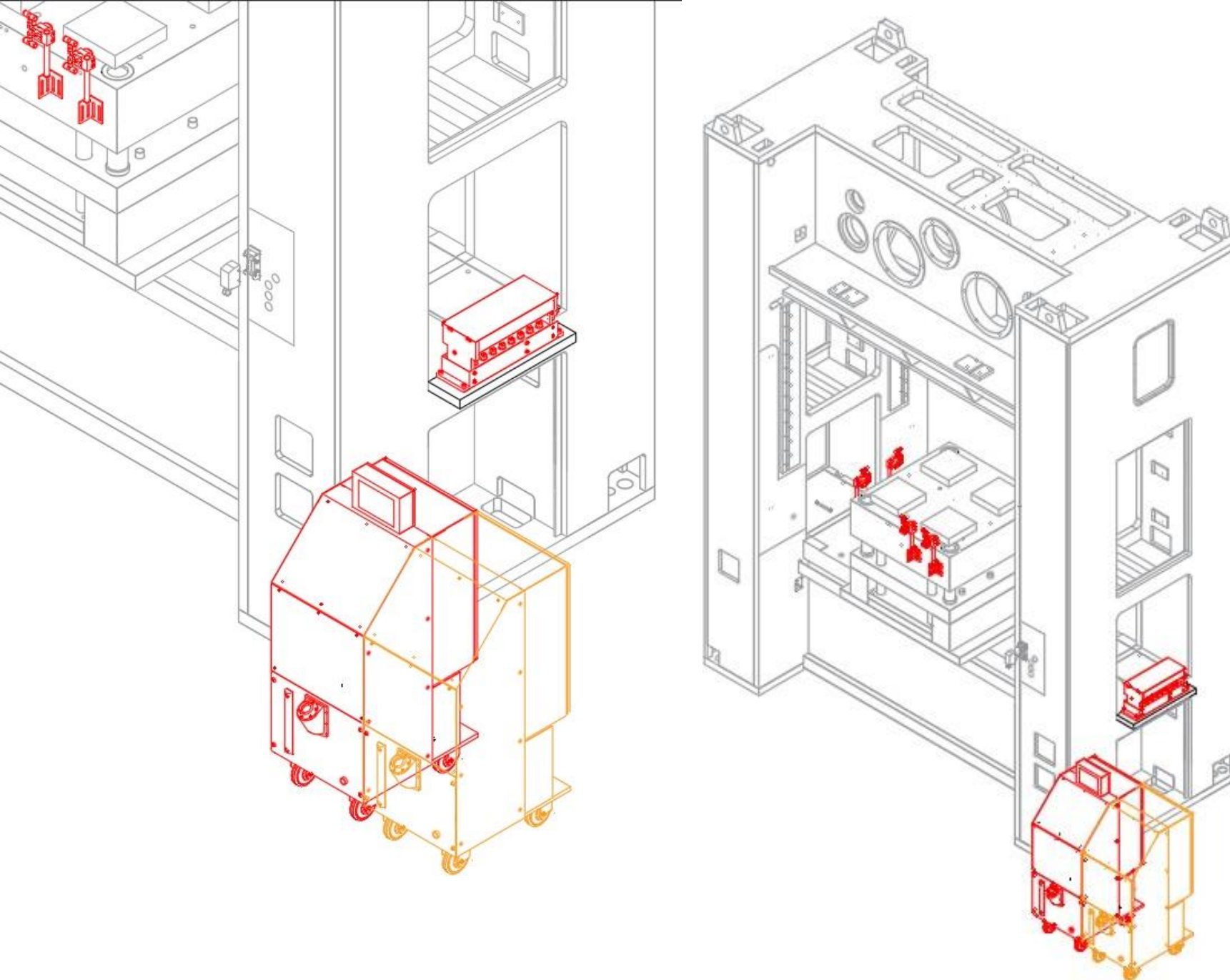


Extension Tool Box  
with KA3 (max. 12  
nozzles)



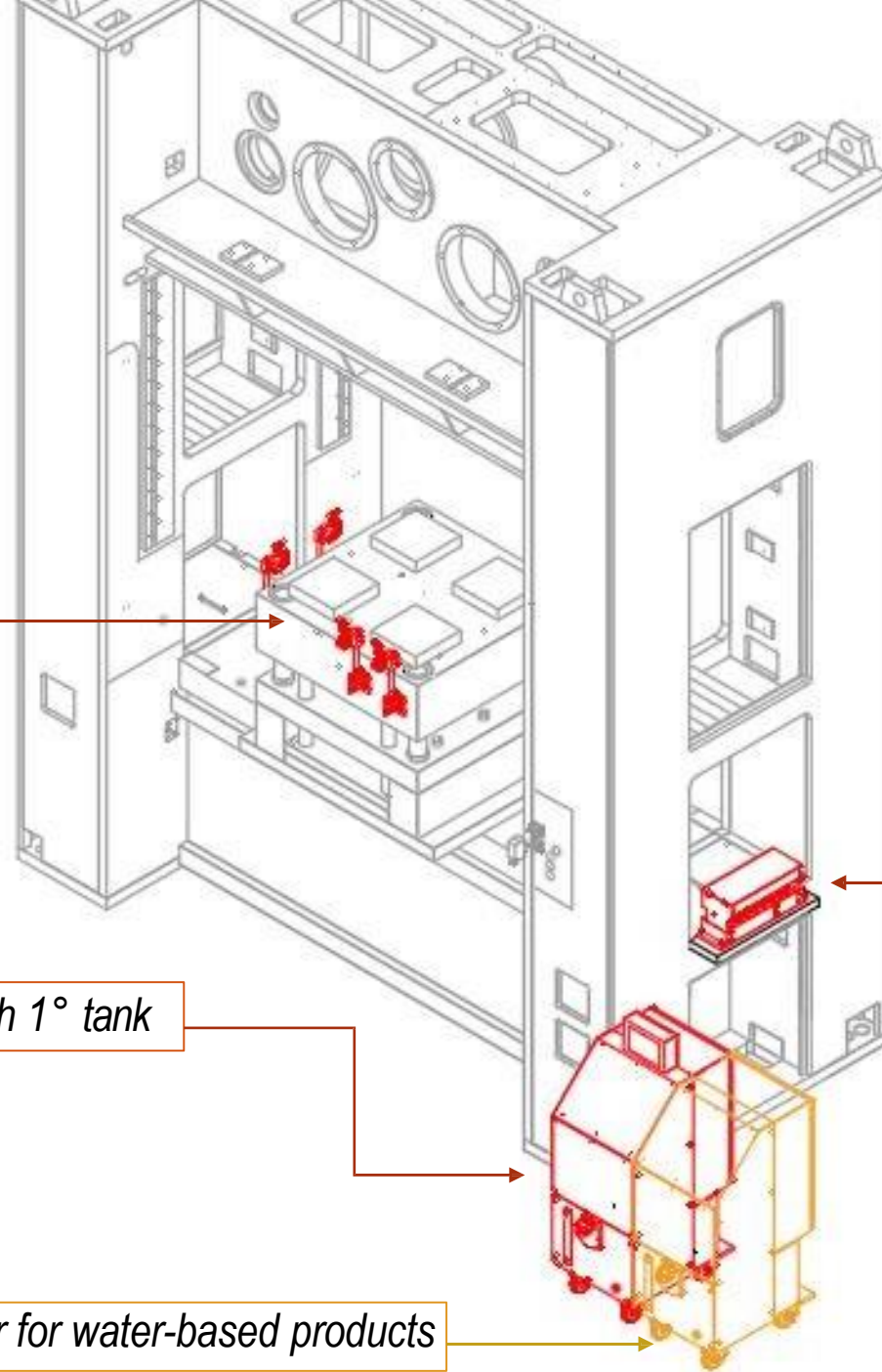
Waste Tank





DieTronic Speed  
MCL:  
Standard  
Configuration

# DieTronic Speed MCL: Standard Configuration



*Extension Tool Box (each for  
max 4. nozzles)*

- KA3 nozzle

*Speed MCL Control with 1° tank*

*2° tank with mixer for water-based products*

*Oil Mist Extraction System*

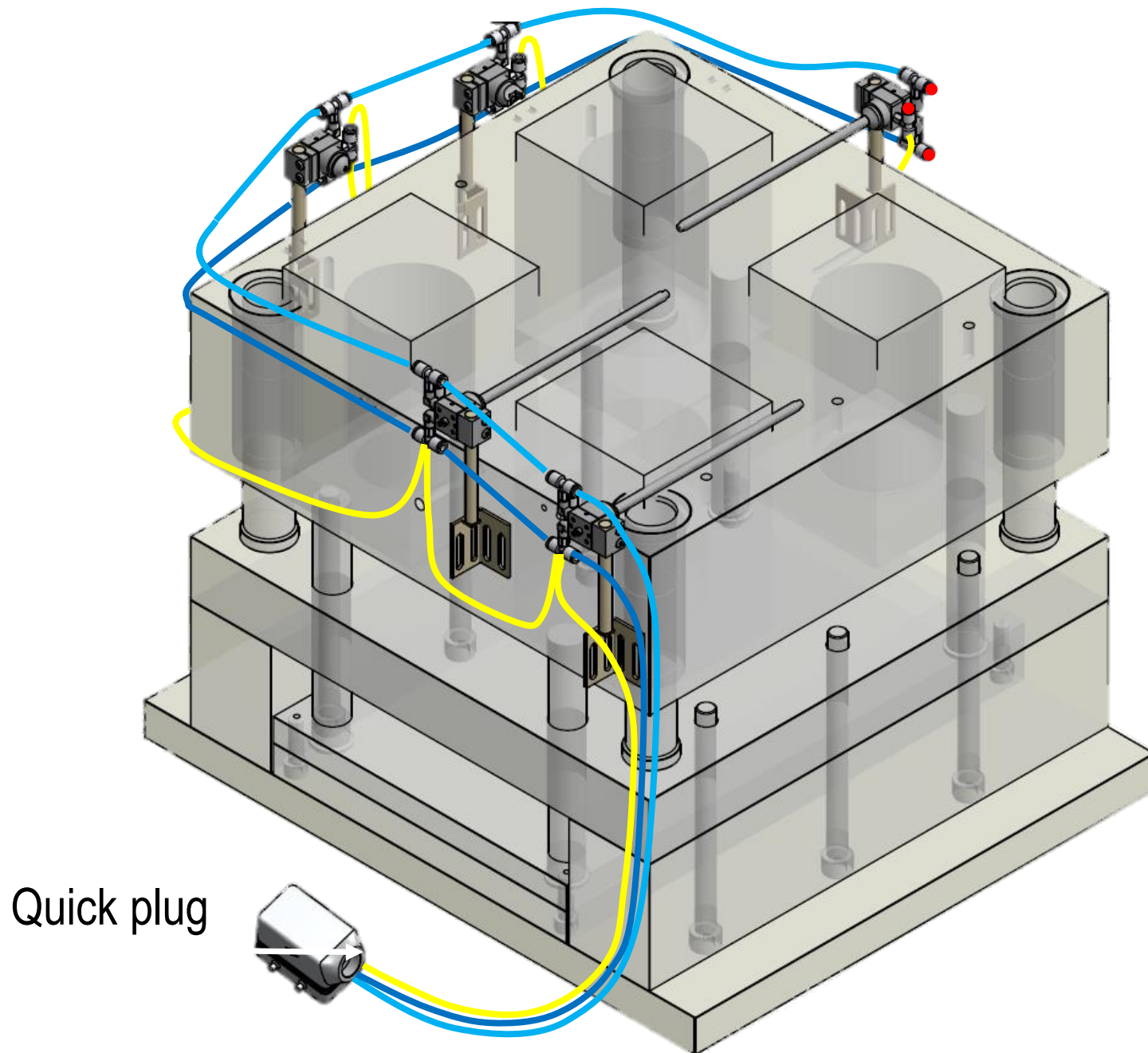
*Waste Tank*

*Spray Box:*

- 50 mm
- 100 mm
- 200 mm
- 300 mm

## Easy die replacement

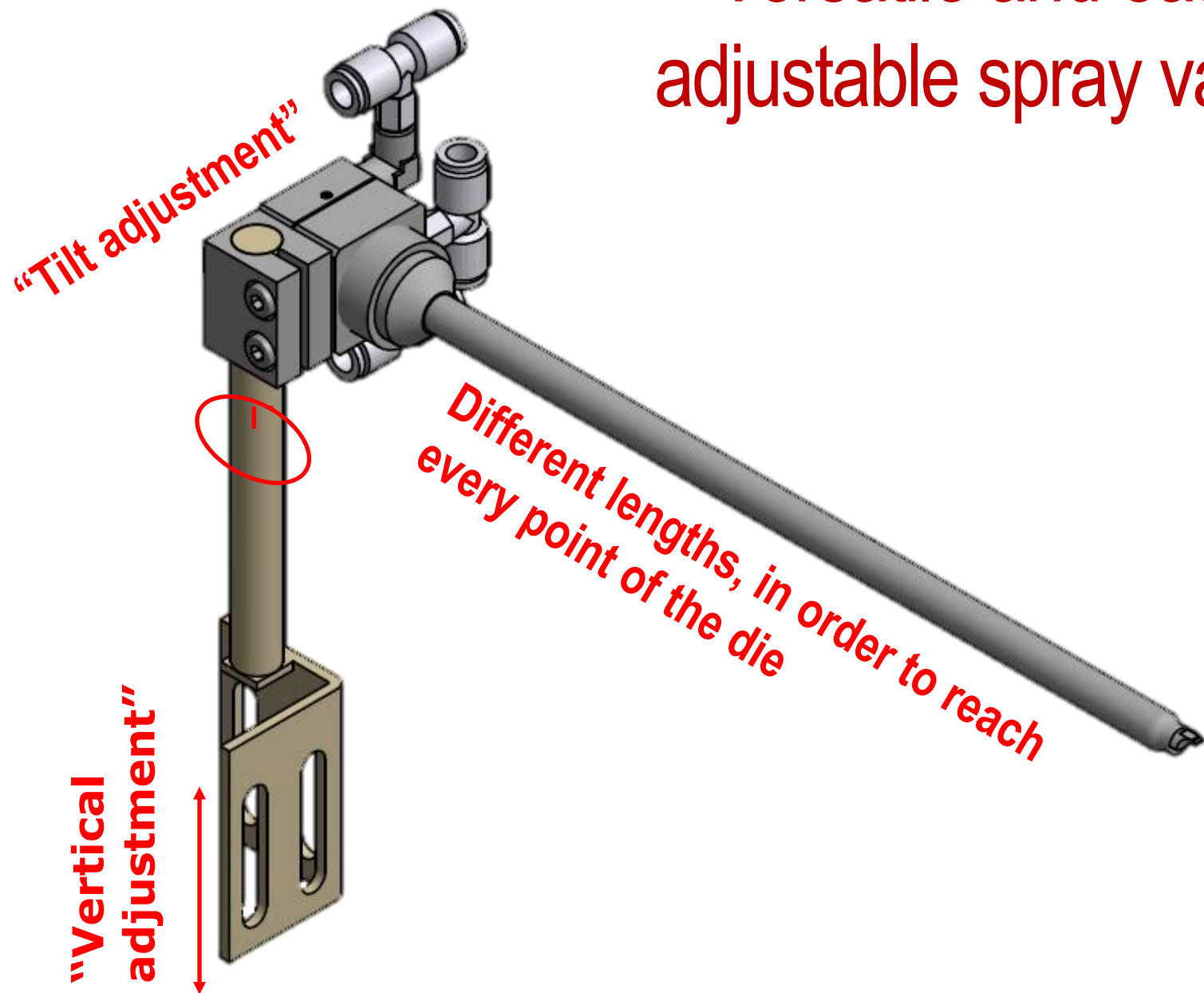
*Possibility to leave the valves already positioned on different dies and connect them, to the use, to the main unit by means of a quick plug*



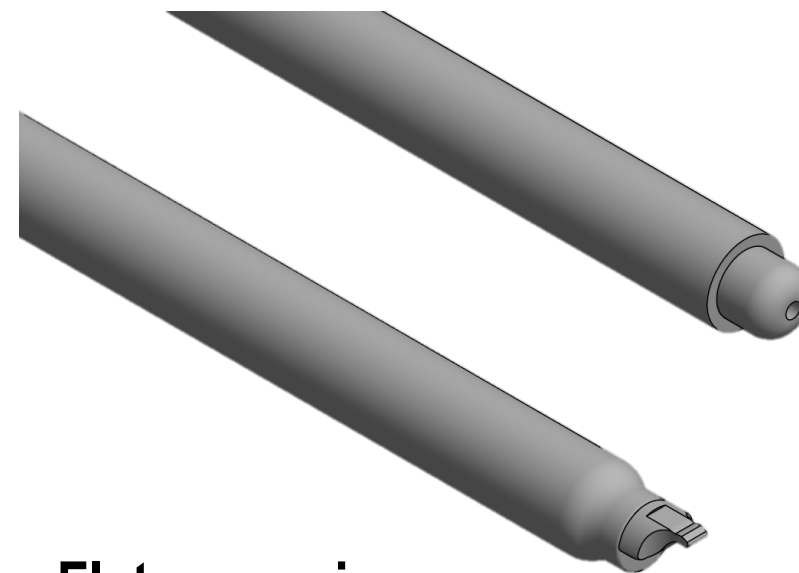
- Air control
- Lubricant
- Air pulverization



# Versatile and easily adjustable spray valves



**Roundspray aircap**  
Spraying at an angle  $0^\circ$   
with distribution  $15^\circ$



**Flatspray aircap**  
Spraying at an angle  $45^\circ$  and Spraying  
at an angle  $90^\circ$   
with distribution  $60^\circ$



# **DIETRONIC SPEED MCL: ADVANTAGES**



OIL SAVING  
FROM 60% TO  
90%



FRIENDLY AND  
AUTOMATIC  
PARAMETER  
SETTING AND  
MONITORING  
FROM TOUCH-  
SCREEN  
OPERATOR PANEL



PROCESS  
PRECISION AND  
REPEATABILITY  
OF THE SET  
PARAMETERS



SCRAPS  
REDUCTION  
AND LOWER  
RISK OF  
PRESS  
DAMAGES



EXTENDED  
LIFETIME OF  
THE PUNCHING  
TOOLS



REDUCTION  
OF TOOLING  
DOWNTIMES  
UP TO 70%



CLEANER AND  
SAFER  
WORKING  
ENVIRONMENT



## The specialists' recommendation: DI VA 10/6 SP

DI VA 10/6 SP IS A VANISHING FLUID THAT MAY BE USED FOR ALL CUTTING, PUNCHING, EDGING, BENDING, CURVING OR DRAWING OPERATIONS ON ALL TYPES OF METAL (FERROUS METALS, STAINLESS AND COATED STEELS, COPPER ALLOYS, BRONZE, BRASS, ALUMINUM AND ALUMINUM ALLOYS).

IT DELIVERS PERFORMANCE SUPERIOR TO OTHER PRODUCTS OF ITS CATEGORY, GUARANTEEING CLEAN DIES AND PRESSES. BESIDES, TREATED COMPONENTS MAY BE WELDED WITHOUT PRIOR DEGREASING.





# DI VA10/6

## SP:

## BENEFITS



No mineral oil



Not flammable



High lubricating power to ensure tools adequate anti-wear properties



Compatibility with cobalt, confirmed by laboratory tests



High wetting power, to minimize the abrasive effect on the dies' edges



High oxidation passivation and rust prevention power



No dry-sticky residual



No substances (such as chlorinated compounds, etc.) chemically active on the film coating of the sheet metal

# 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



# REFERENCES APPLIANCE



B/S/H/



AGA RANGEmaster

**gorenje**group  
Gorenje GALO, d.o.o.

Amica



VESTEL





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**THANK YOU FOR YOUR ATTENTION**