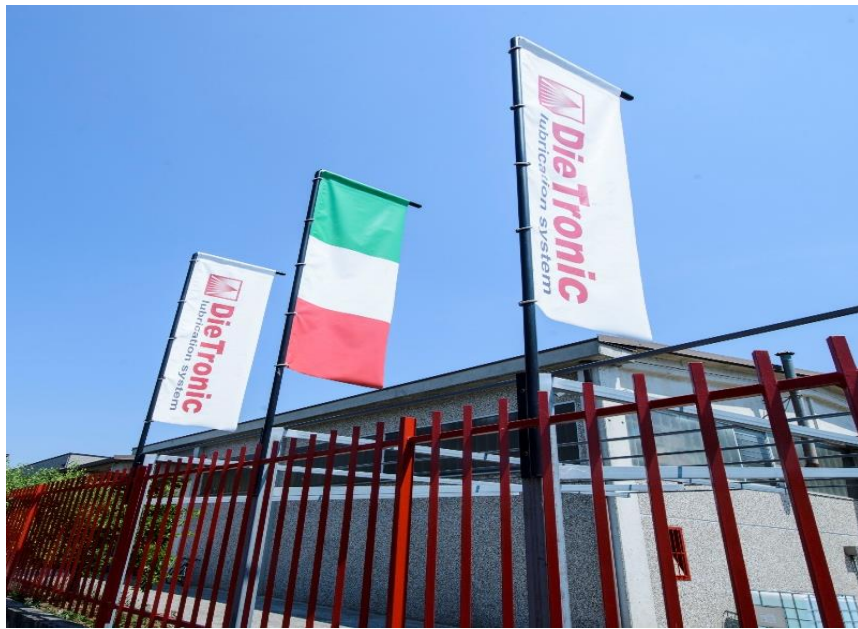




DIETRONIC BRUSH CLEANING TECHNOLOGY



*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.

ABOUT US

- 2000 m² plant
- +15 years experience
- 615 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

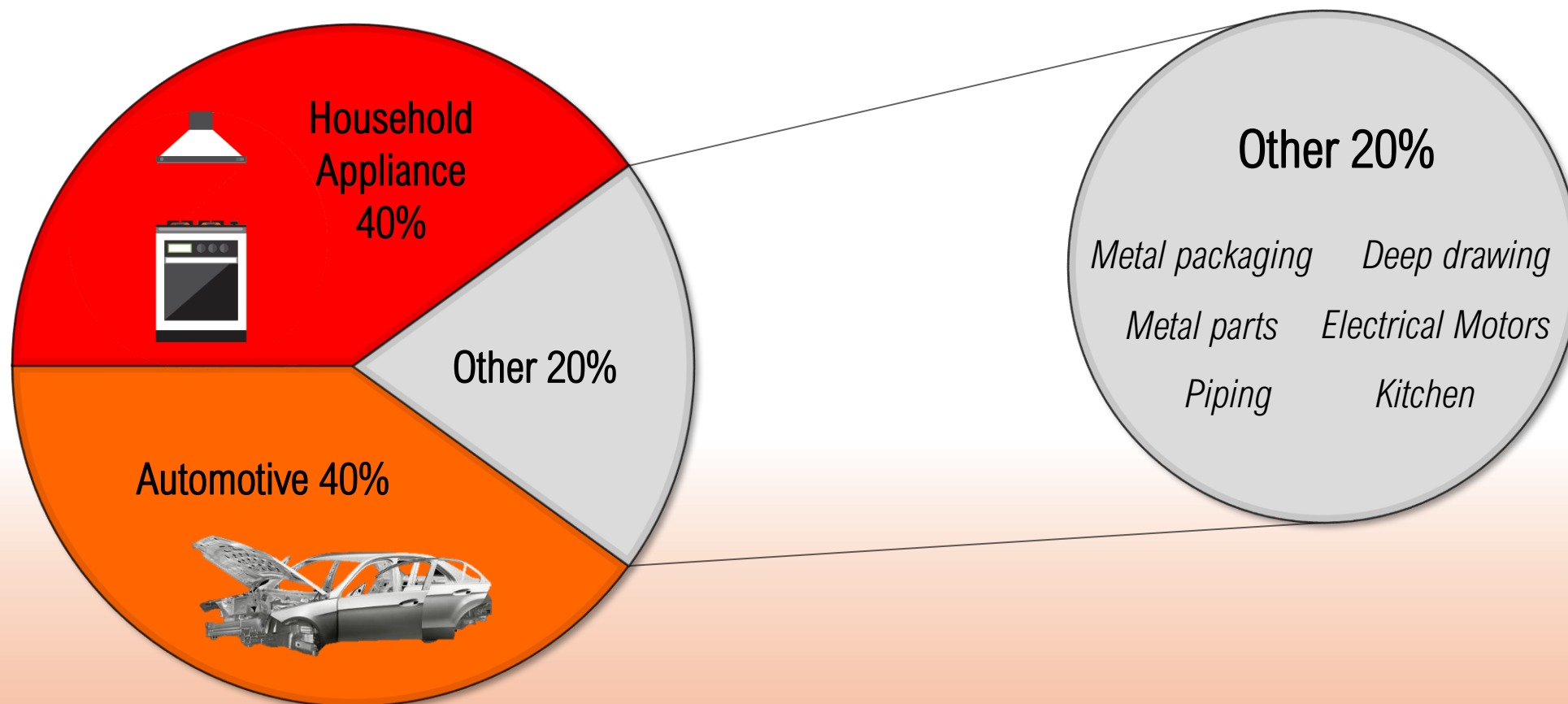
GLOBAL PRESENCE

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.

APPLICATION FIELDS

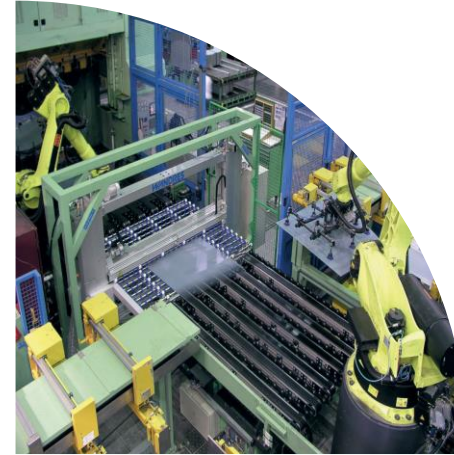
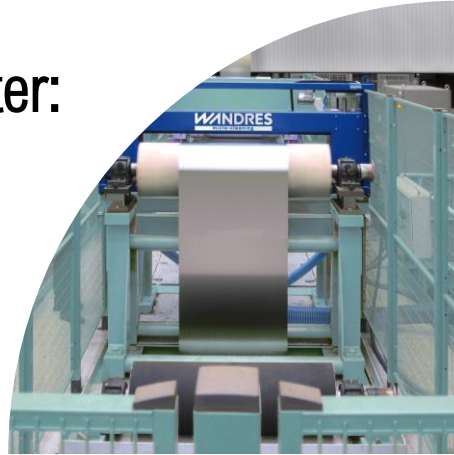
We are suppliers of lubrication systems for different sheet metal-forming applications, mainly for the Automotive and Household Appliance.



CLEANING OF ALL KIND OF SHEET METAL: COILS AND BLANKS

Steel production/ Service Center:

- Hot/cold rolled strip
- Stainless
- Hot dipped strip

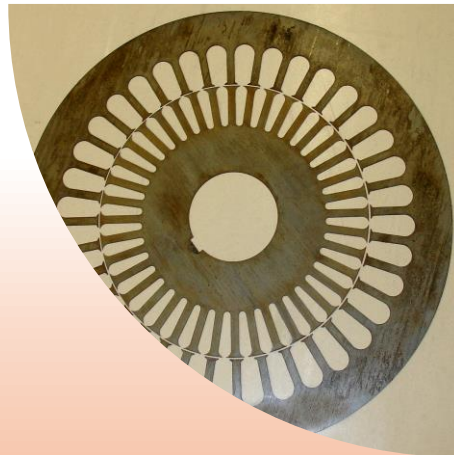


Automotive:

- Steel/Aluminium coil or blanks for skin parts
- Tailored Blanks
- Robot based car body cleaning

Electronic-industry:

- Motor lamination
- Contacts

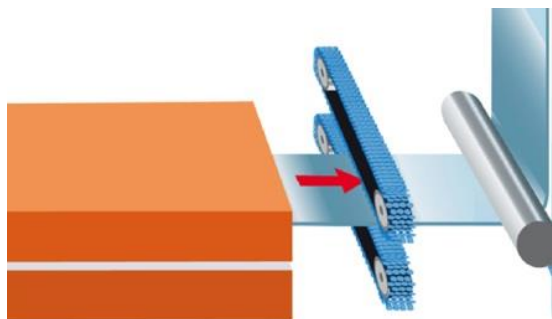


Household appliance:

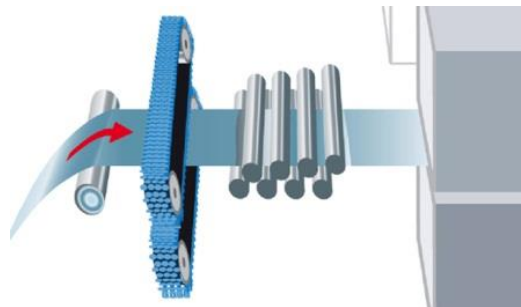
- Sinks
- Hoods
- Washing machine...

METAL CLEANING

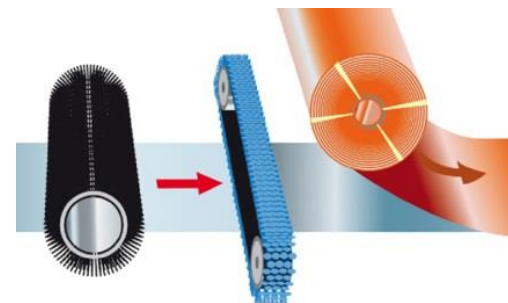
after oven



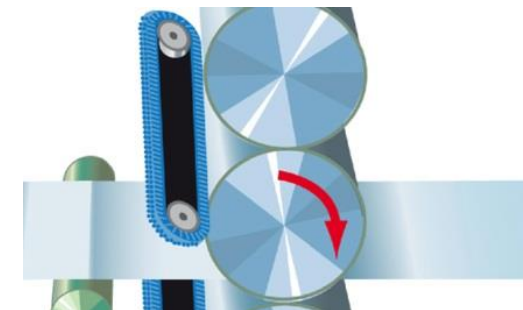
before leveller



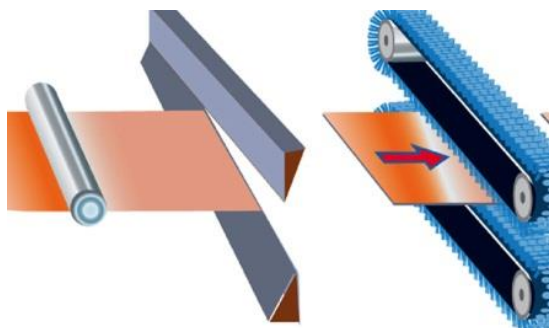
before protection foil



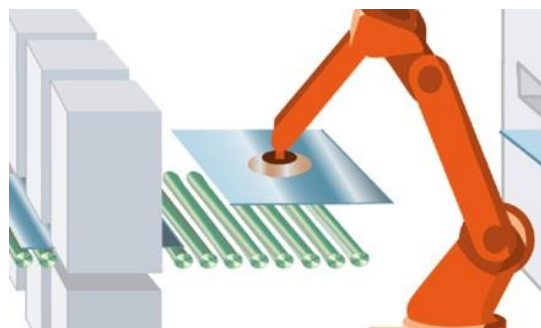
roller/belt cleaning



after blanking



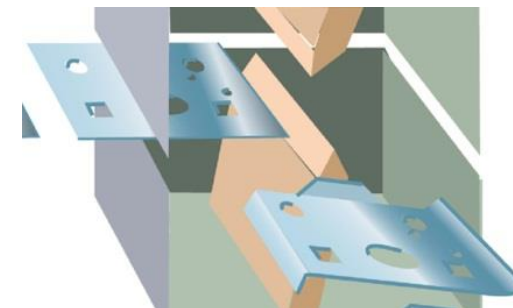
In skin part pressline



before/after stamping



after punching
before bending



ADVANTAGES OF DRY BRUSH CLEANING TECHNOLOGY

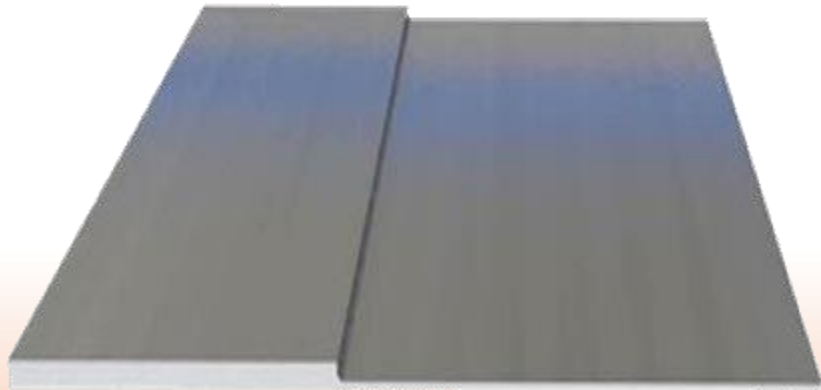


- Cost effective cleaning: low investment and operational costs
- Excellent cleaning performance
- Able to clean all metal surfaces (*steel, galvanised blanks, aluminium, black steel, tailored blanks*)
- Able to work with uneven surfaces
- **Constant and maximum cleaning quality**
- **Small footprint** and easy integration
- Standard machine
- **Easy maintenance**
- Flexible in use

BRUSH CLEANER FEATURES



The system is equipped with 2 brushes (one for each side of the blank) able to **remove** even the **tiniest particles of dirt** (*until 10 micron*).

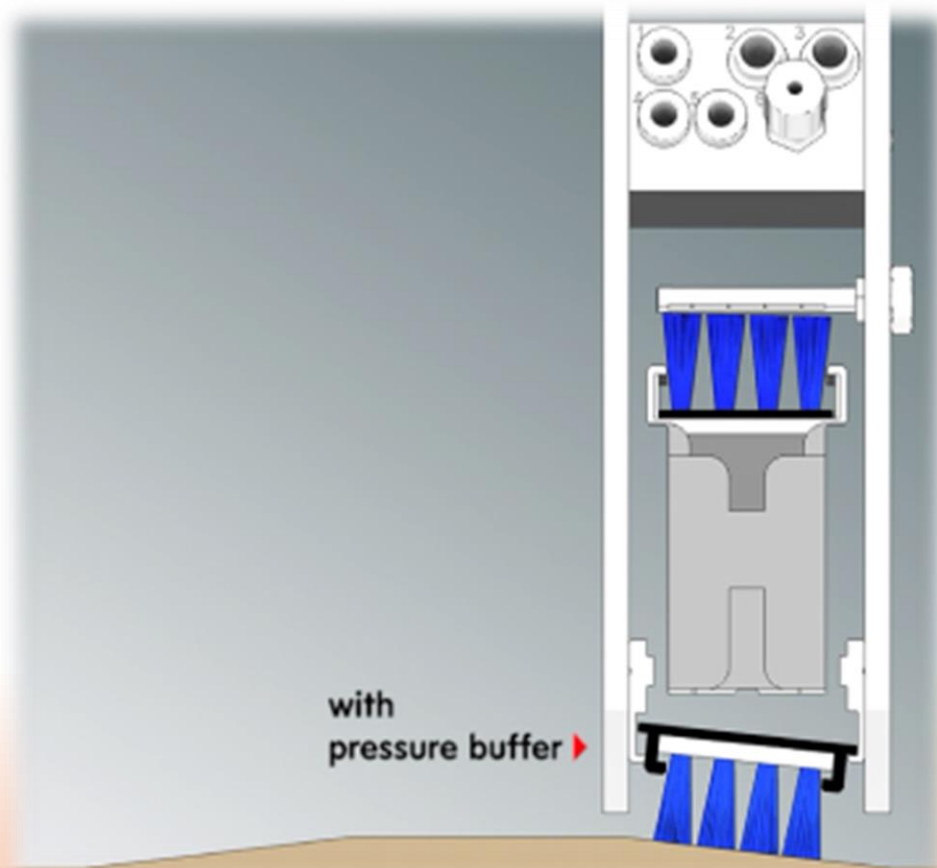


The **motorized brushes** wipe across the surface of the blank at a constant speed, crosswise to the feeding direction.

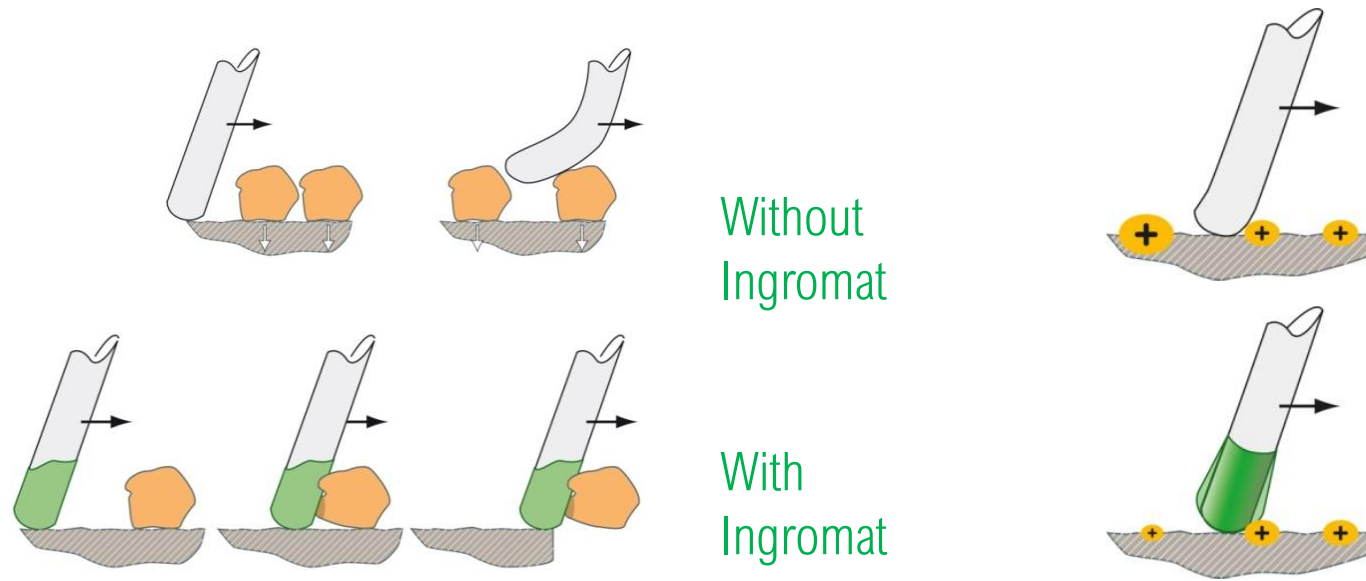
BRUSH CLEANER FEATURES

PRESSURE BUFFER

To grant premium cleaning results, a **pressure buffer** placed between the sliding guide and the brush ensures that brush filaments constantly assume a **vertical position**, even in relation to **uneven surfaces**.



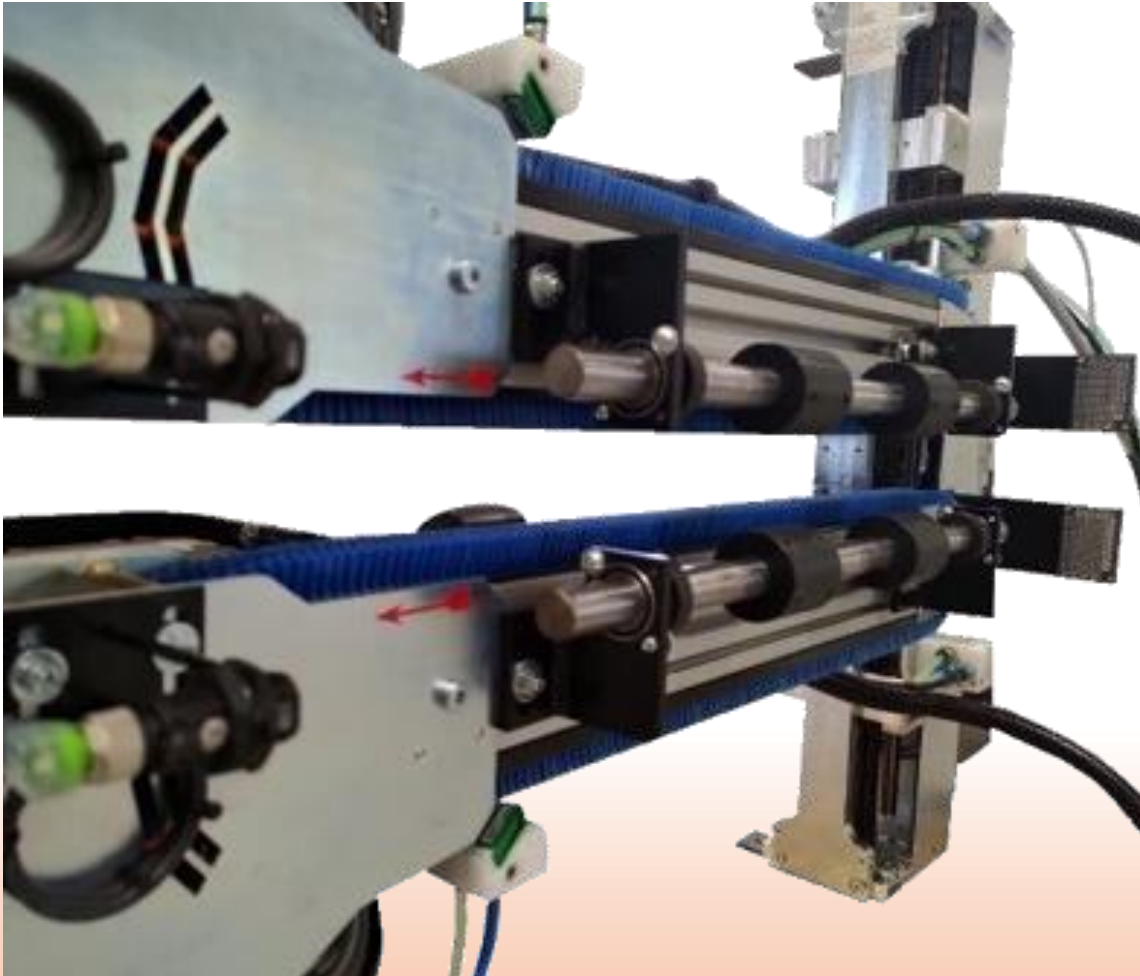
BRUSH CLEANER FEATURES



INGROMAT

The use of an **antistatic liquid** called Ingromat allows a **deeper cleaning** of the brush filaments

BRUSH CLEANER FEATURES

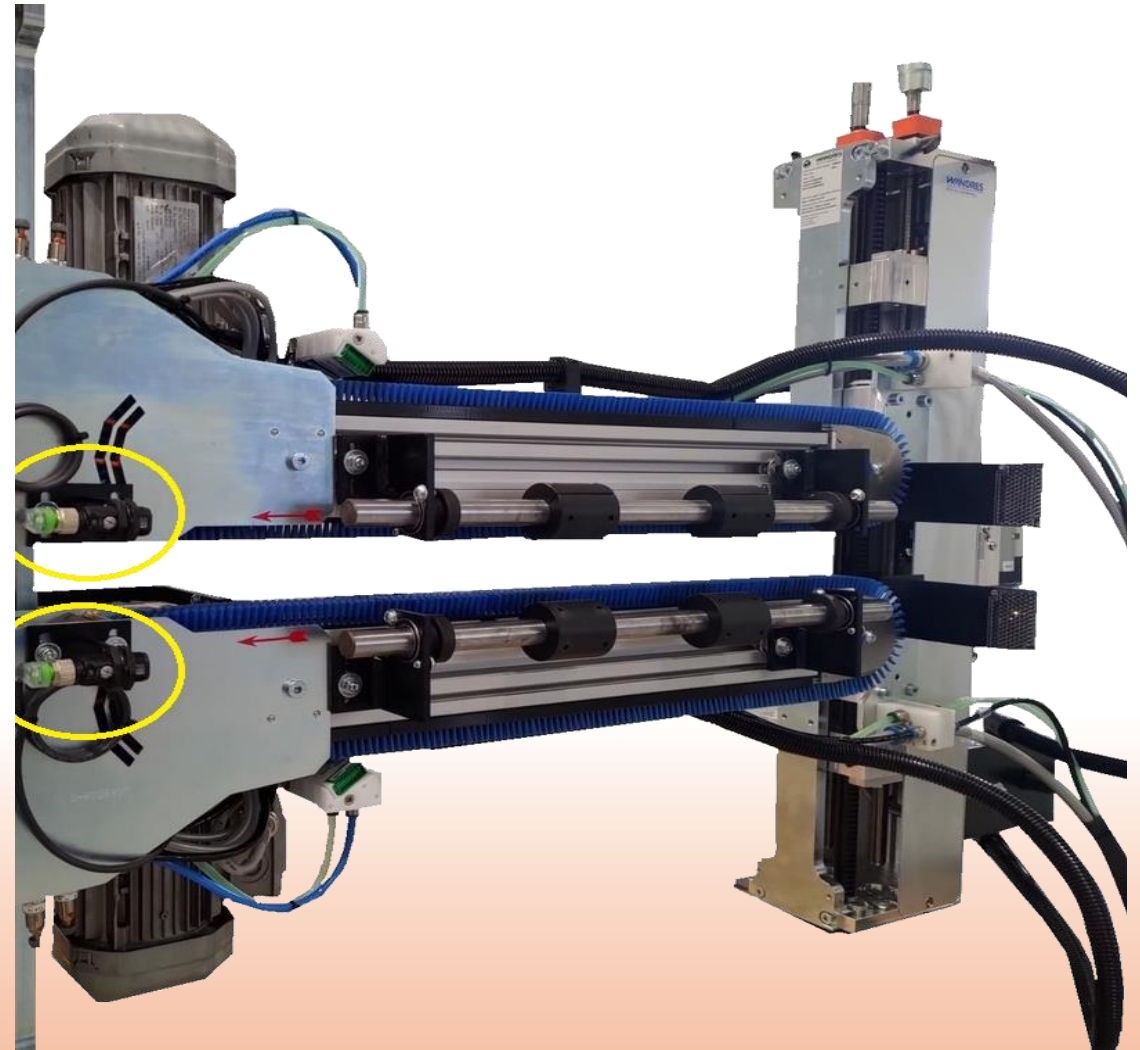


The two brushes can be vertically adjusted thanks to two mechanisms:

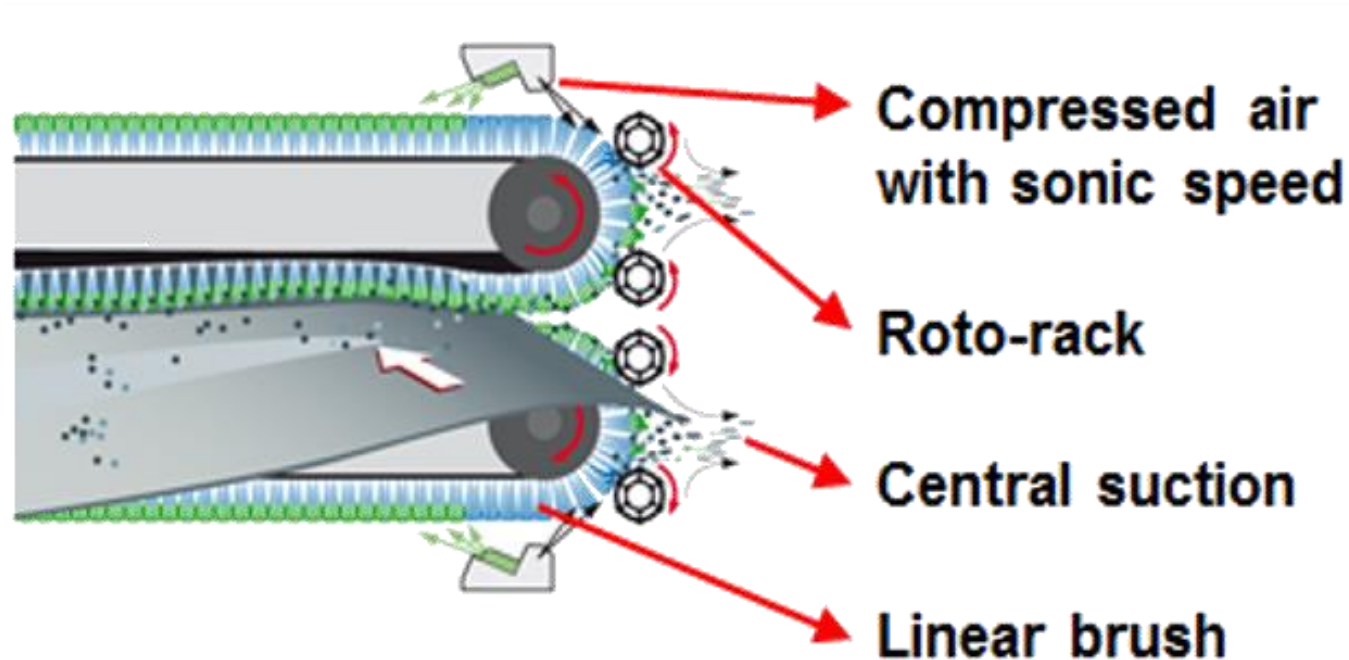
1. The first allows the **height adjustment** of both brushes according to the **pass-line** and the **material thickness** (the pressure buffer is able to work with blanks with a thickness difference up to 2 mm).

BRUSH CLEANER FEATURES

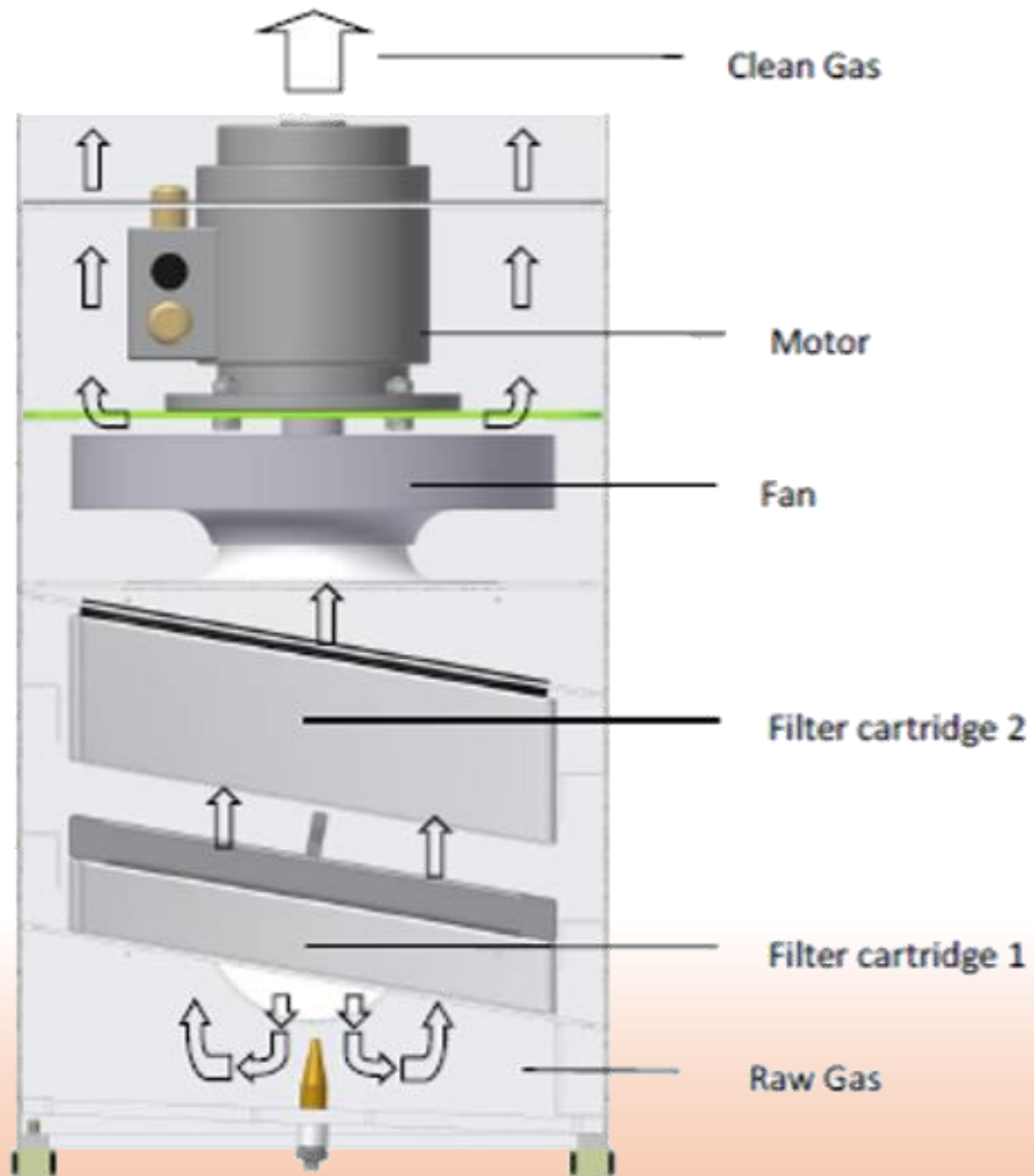
2. The second is a **pneumatic quick vertical adjustment** that, thanks to the presence of two **anticollision sensors** placed at the entrance of the brush cleaning device, aims at preventing any possible collision between the blanks and the machine structure.



BRUSH CLEANER FEATURES



A rotating rack and compressed air nozzles detach particles both mechanically and pneumatically from the linear brushes.



BRUSH CLEANER FEATURES

The loose particles are immediately disposed of by a **suction system** connected to the cleaning module.



CONTROL UNIT

Control Unit with PLC and Touch Panel as operator interface.

Possibility to set all the system functions in **manual and automatic modality**:

- Brush opening
- Activation of brush rotation
- Ingromat dosing
- Activation of dust suction

In automatic modality (machine in working mode) the brushes are closed, the brushes/suction motors are activated and the Ingromat cleaning product is dispensed.

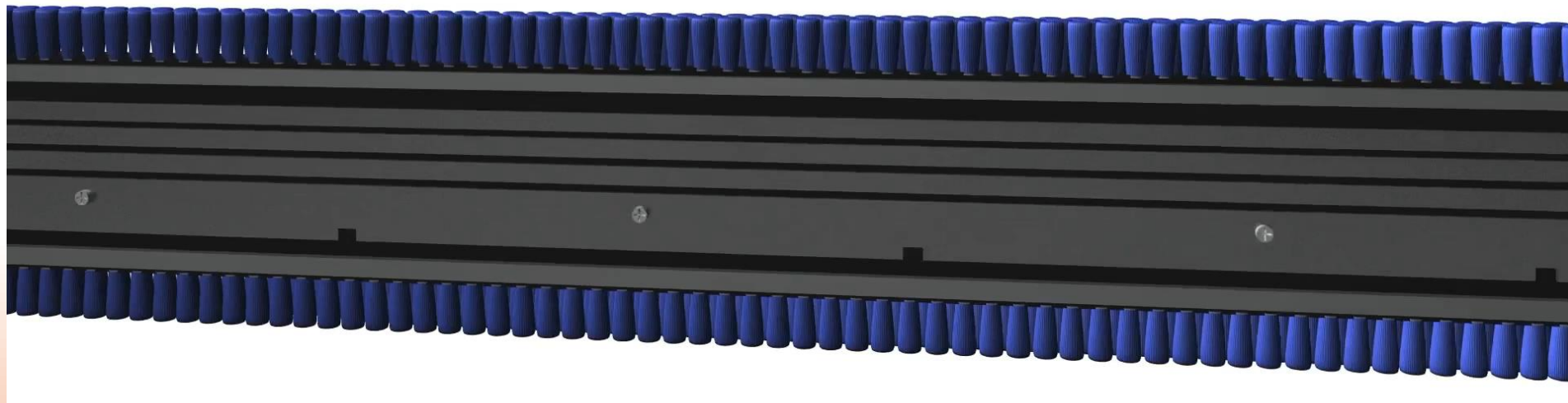
INGROMAT CLEANING TANK

30 lt inox tank equipped with visual and electric oil level indicator.

Product filter, Ingromat dosing pump, Brush pressure regulators and Ingromat flow regulators for the lower and upper brushes.



VIDEO



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



Horta



EURO[®]
TRINCIATURA
EuroGroup Laminations



Kienle  Spiess



 **DieTronic**
lubrication system




TRANCERIE EMILIANE

References Motor Lamination

References Automotive OEM



General Motors



References Automotive T1 and T2



Referenze Integratori



GÜDEL

SCHULER 
Member of the ANDRITZ GROUP

FAGOR



HYUNDAI
Rotem

Nidec
ARISA

MECFOND S.p.A.

CAVENAGHI & RIDOLFI
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PRESSE


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presse

 **MOSSINI** PRESSE

OMERI
Nel mondo, nel tempo

ZANI presse

GALDABINI
1890

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 **Hydraulic**

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impianti

 **qs group**
Integrated Industrial Automation

saronni s.p.a.


DIGIEMME

ASSERVIMENTI
ALL'IMPRESA

 **NOVASTILMEC** S.p.A.
Cold Processing Equipment

TIMAC
since 1975

References Appliance

FRANKE

B/S/H/

 **Electrolux**

 **Whirlpool**

 **REGINOX**

 **smeg**

 **Indesit**

bticino

 **EPELL**
soluzioni inossidabili

 **CM**

ELKAY

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Gorenje GAIO, d.o.o.

Amica

 **arçelik**

VESTEL



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