

RELEASE AGENT SPRAYING SYSTEM
Autoclaved Aerated Concrete (AAC)



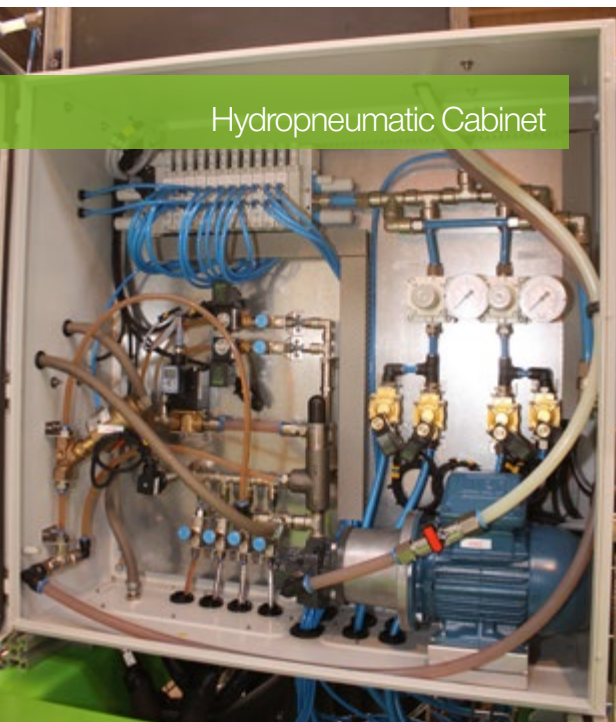
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Superior Spraying Technology

Our spraying system is driven to control the liquid flow rate according to your production needs. The flow will be constant during the whole process. With traditional spraying systems using airless high pressure nozzles, you will use way too much liquid while this will also generate mist and pollution. Our low pressure spraying technology offers an accurate spray control that allows you to reduce easily the sprayed liquid to the minimum quantity that your production process requires.

Hydropneumatic Cabinet



Hydropneumatic cabinet

A hydro pneumatic cabinet with a positive displacement pump, pressure regulation and all hydro pneumatic devices to power the spraying frame.

In some case, we'll install a heating system to control the oil temperature (oil tank with a capacity of 20 liters fitted with level detectors and a thermostat heating to maintain the oil at 40 °C).



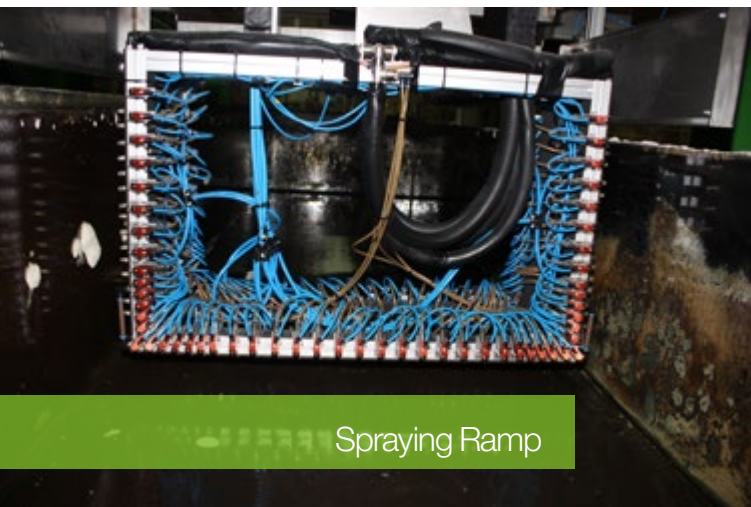
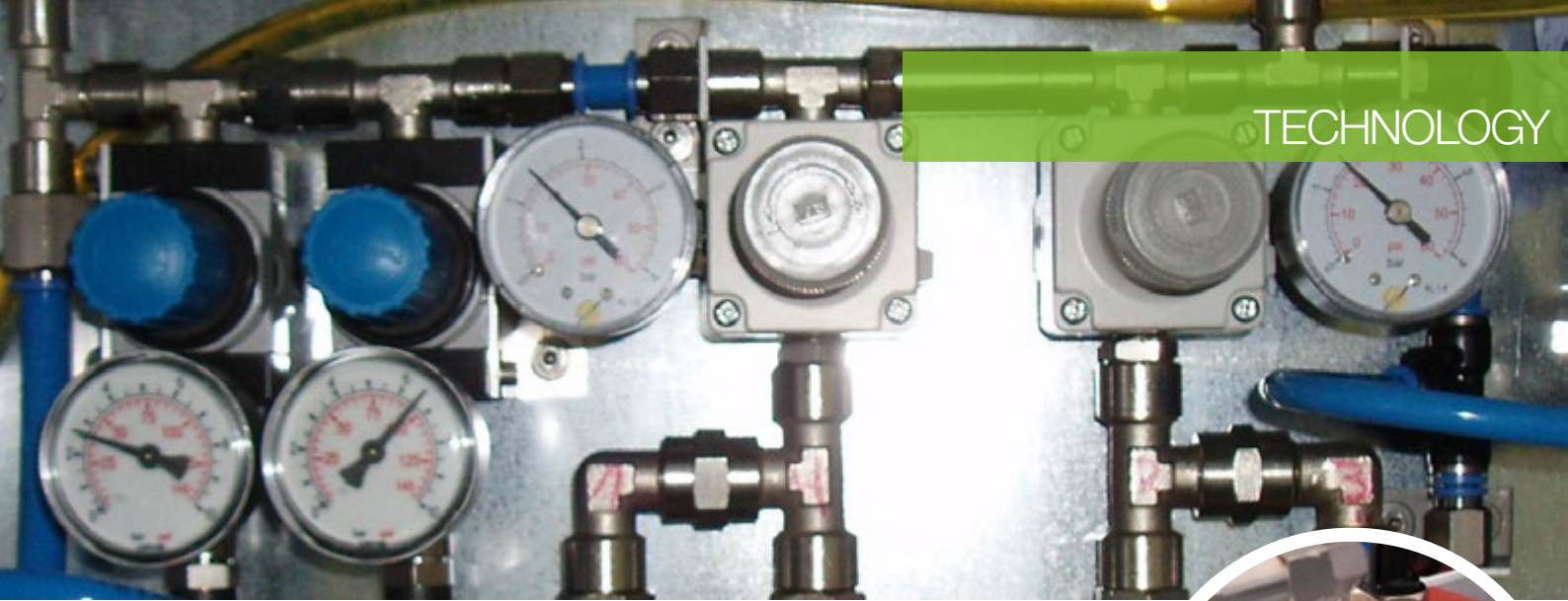
Electrical Cabinet



Electrical cabinet

Various manual commands will be integrated on the electrical cabinet face:

- Auto/Manu
- Actuator (cylinder) up and down movement
- Spray test circuit No. 1 2 3 4 5 6
- A general switch will be integrated to the cabinet
- A three-lamp system for the working status



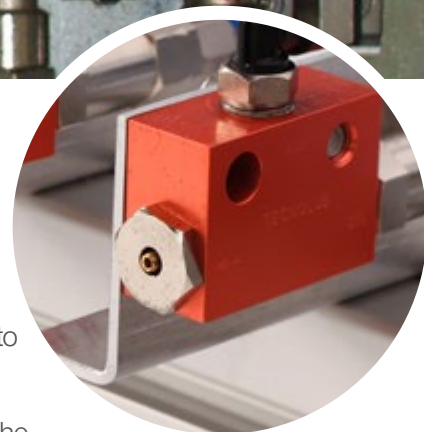
Spraying Ramp

Spraying Ramp

A double "V" framework lined with micro sprayers powered by 4 different hydraulic circuits in order to spray the five faces of the mould.

Two extra circuits can shut down the upper sprayers in order to not oil the vertical faces of the mould if needed.

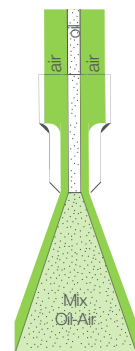
All our SB35 nozzles are equipped with flow regulators and controlled pneumatic valves.



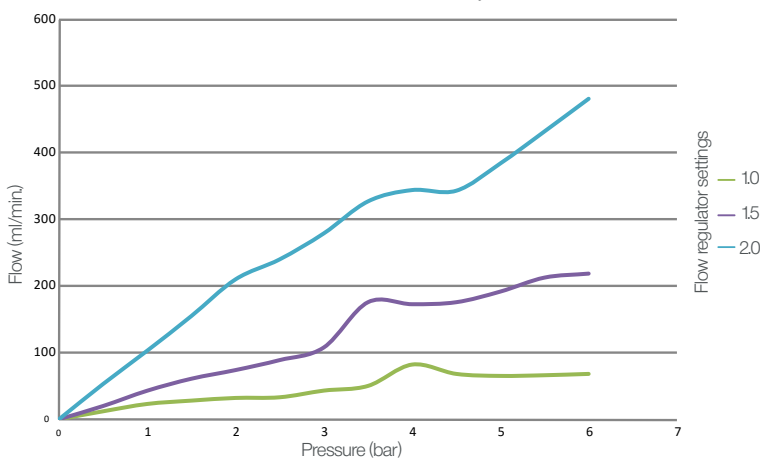
Coaxial Technology

The oil and atomizing air arrive by separate circuits to the spraying point. The air / oil is mixed at the exit of the nozzles (coaxial system). The oil micro-droplets are pulled out by the airflow and remain locked into the airflow to prevent any oil mist effect.

This technology provides a reactive and perfect spraying accuracy.

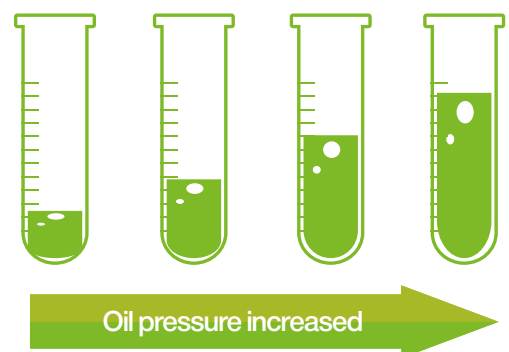


Spraying flow rate chart for a SB35 Nozzle
(calculation done for 1.0 viscosity)



Easy change of the flow rate

Changing the spraying pressure with our control unit will adjust directly the quantity of oil applied..



**Oil savings
Up to 70%**

The advantages of the micro-spraying technology are multiple :

 **Economic**

Huge savings on oil purchases (30 to 70% reduction - very fast return on investment)
Molds lifetime extension
Increased productivity (better quality of products - reduction of production waste)

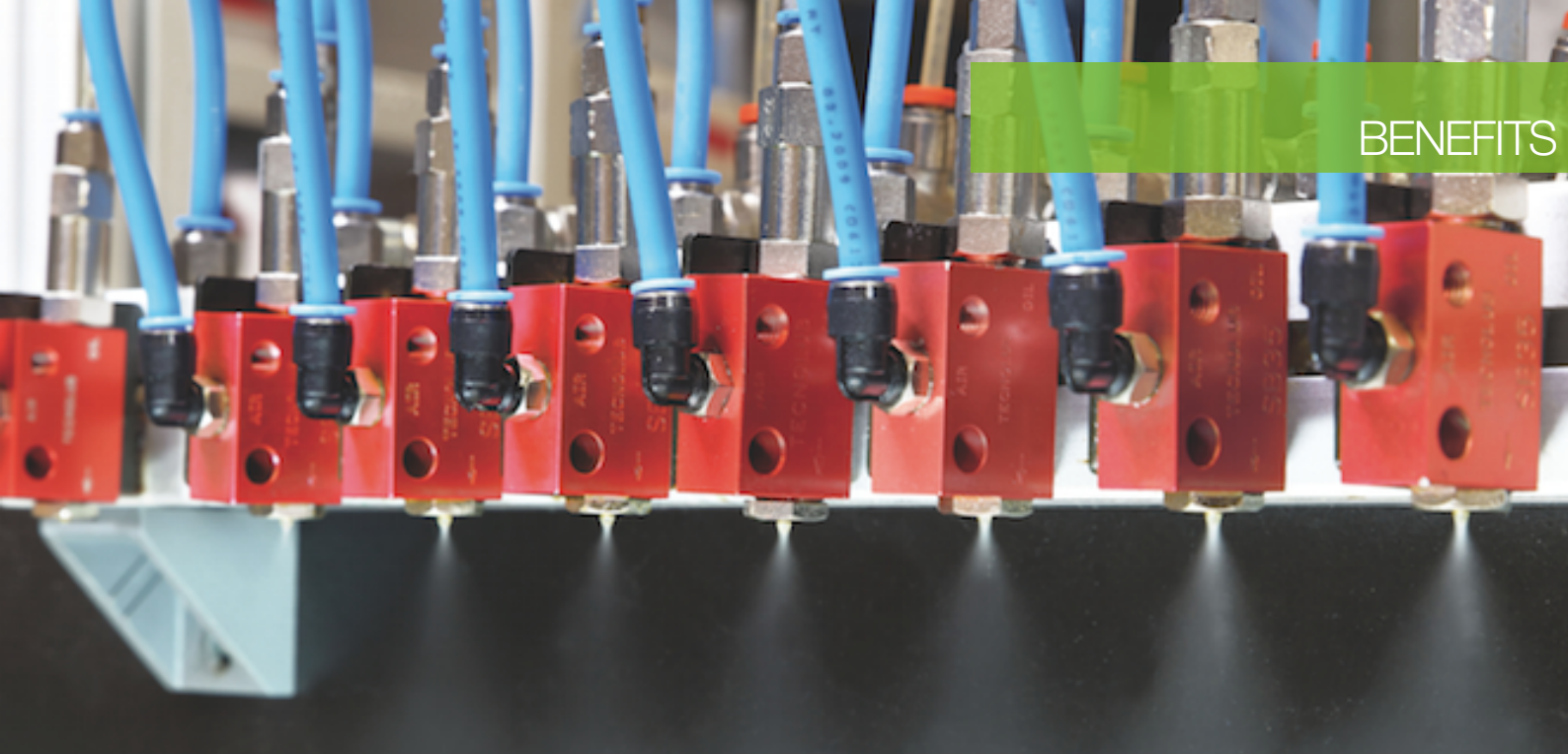
 **Ecological**

Improvement of the environment and working conditions (no oil mist or oil pollution)
Reduction of oil pollution risks
Reduction of cleaning operations (less time, less products, less energy)

 **Technical**

Better products quality (no oil pollution in concrete)
Perfect oiling uniformity of molds (no rust - no adhesion)
Instant reactivity spray (no oil waste)

CUSTOM SOLUTIONS FOR THE AAC INDUSTRY



WHY CHOSING A LOW PRESSURE WOUTERS-TECNOLUB SPRAYING SYSTEM ?

	High Pressure Oiling System	Brush Oiling System	Manual Spraying Oiling System	Manual Oiling System	Wouters Tecnolub Oiling System
Easy adjustment of the quantity of oil applied	-	-	-	-	✓
Oil uniform coating	✓	-	-	-	✓
Clean working environment (no oil pollution/no oil ist)	-	-	-	✓	✓
Oil savings vs Wouters Tecnolub Spraying system	40-50%	30-40%	60-70%	50-60%	

SUPERIOR SPRAYING TECHNOLOGY



CUSTOM SOLUTIONS

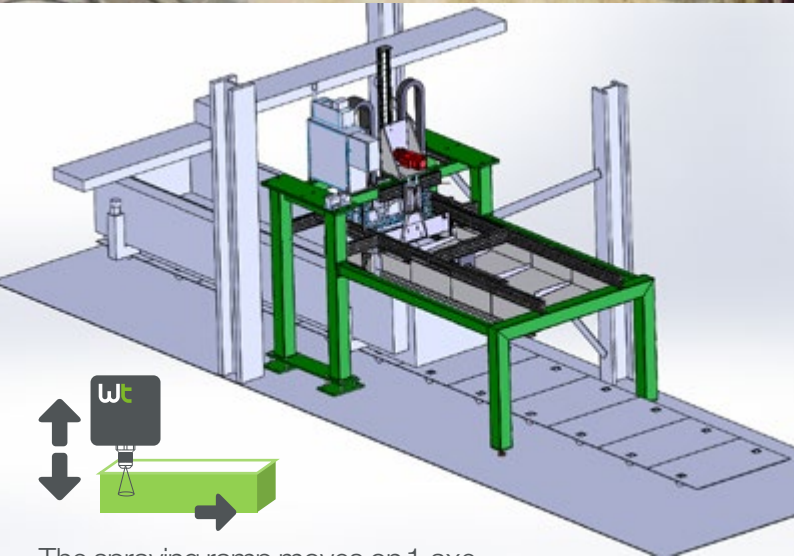


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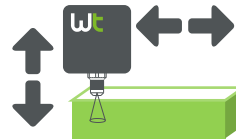
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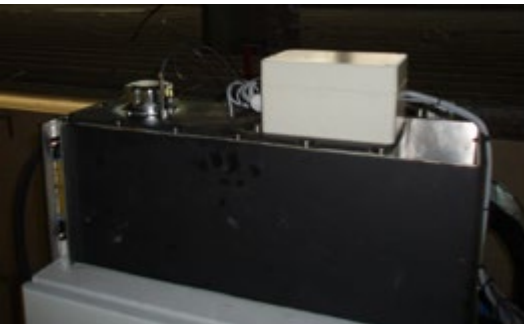
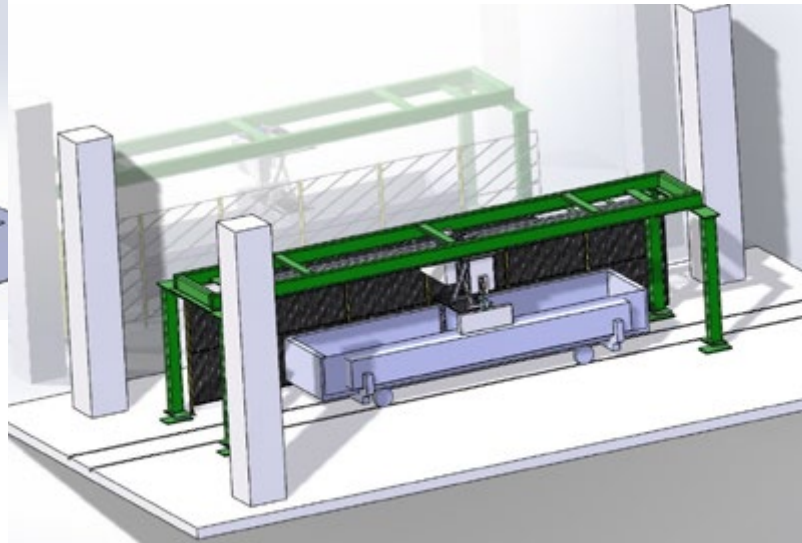
We have developed different spraying solutions for every kind of precast concrete workshop.



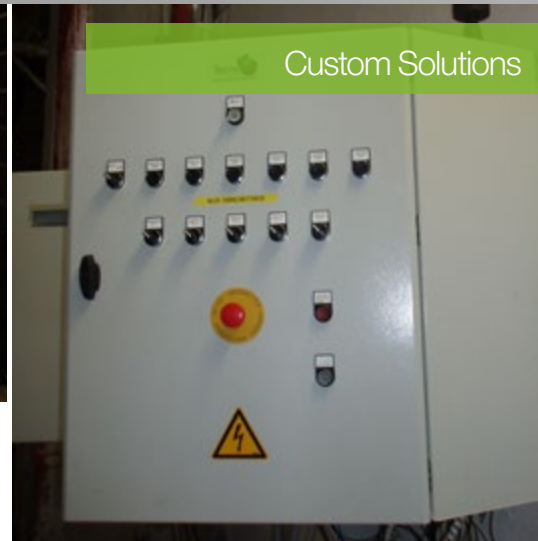
The spraying ramp moves on 1 axe (up and and down) and the mold moves under the ramp at a speed of 200mm/sec.



The spraying ramp moves on 2 axes (up and and down and longitudinally inside the mold).



TAILORED SPRAYING RAMP | HEATING SYSTEM

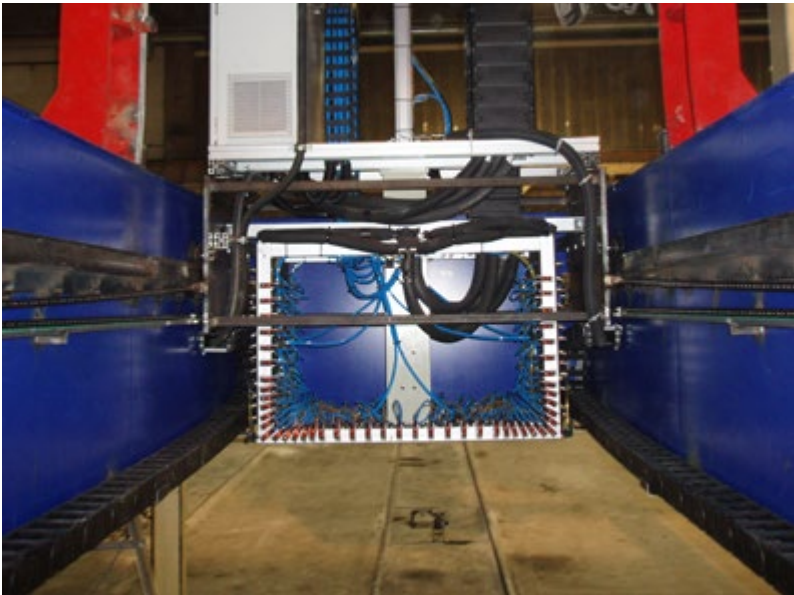
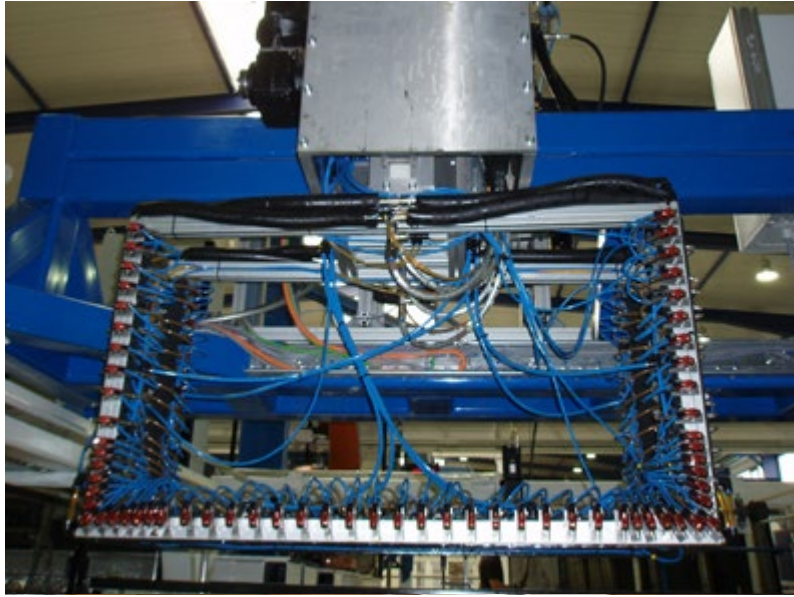


SOME REFERENCES



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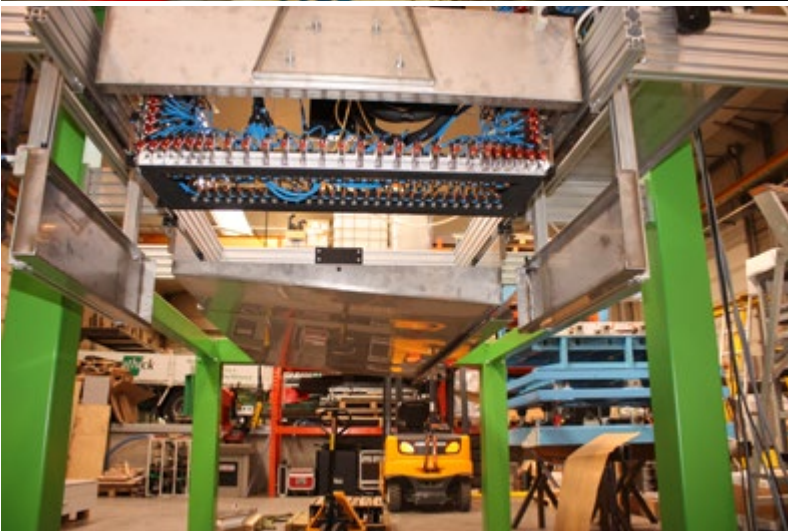
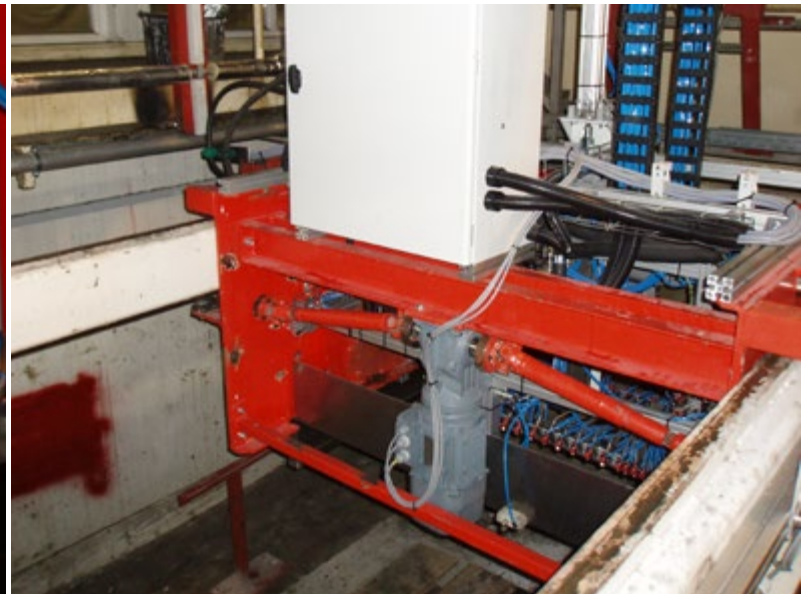
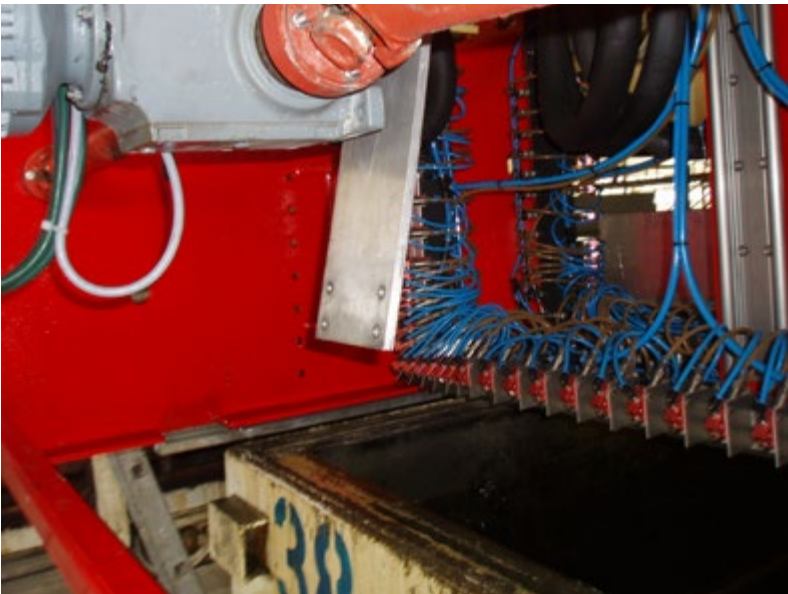


SOME REFERENCES

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Superior Spraying Technology





SUPERIOR SPRAYING TECHNOLOGY

Some Customers

XELLA | YTONG | SILKA | H+H | ...

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ZI des Plénesses - Rue de l'Avenir 14
B4890 Thimister-Clermont
Ph : +32(0)87 33 17 07
E-mail : info@wouters-tecnolub.com



www.wouters-tecnolub.com