

# COMPAQT

## MACHINE FOR THE ADDITIVE MANUFACTURING OF METALLIC PARTS XL

### FROM SPECIAL XXL METAL ADDITIVE MANUFACTURING MACHINES



XXL machines: SOLO single robot or GEMINI bi-robot  
for parts up to 10m x 3m and 20 tonnes

### TO THE MODEL XL MACHINE

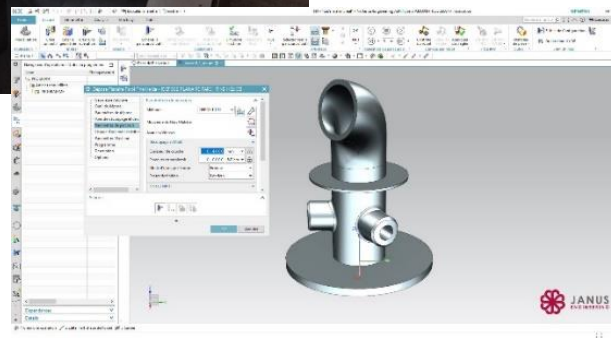
- combining **WAAM (Wire Arc Additive Manufacturing) technology**
- **the performance of direct control and the simplicity of use of a robot controlled by numerical control**
- **for various industrial requirements** : ASD, Railway, Naval, Energy, MRO, Foundry, Tools... organizations Training - Research



### AND ON NX SOFTWARE

NX Software from SIEMENS and its **reference suite for additive manufacturing DED** ensure the complete development of the part :

- CAD design with **NX CAD**
- programming and simulation with **NX CAM Robotics**.

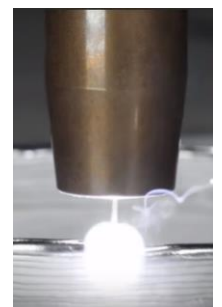


NX CAD

### BASED ON THE MOST MATURE WIRE TECHNOLOGY

**FRONIUS CMT cold welding system enables** welding with optimal results for all materials, guarantees the most stable electric arc in the world and precise parameterization of the process.

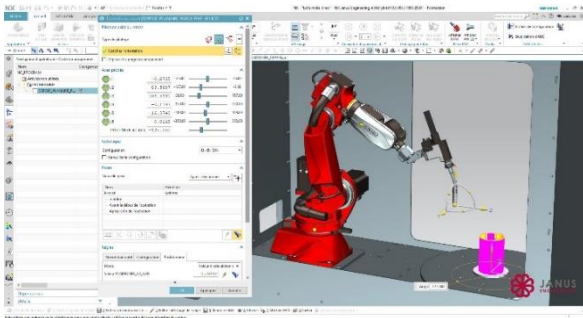
Its **Advanced technology** makes it possible to integrate the polarity of the welding intensity into the process control.



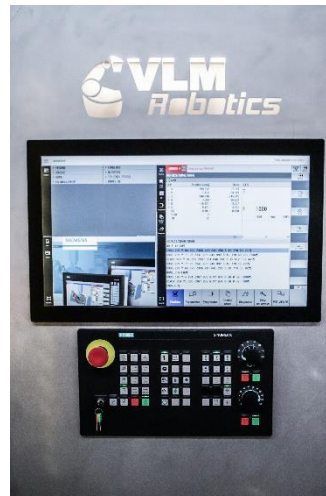
FRONIUS HEAD

## ROBUSTNESS OF THE COMPAQT

- Machine : **adaptable** dimension, **transportable**
- Machine dimensions (Depth X Width X Height) in mm from **3000 X 1000 X 2000** to **4000 X 2700 X 4000**
- **7-8 axis machine** : Robot + turntable + CMT Advanced system
- **Easy way of appropriation via CNC**. No specific knowledge of the robot is needed to drive it !
- Machine proposed with **license NX** compatible with your other software



NX CAM



A design based on **VLM ROBOTICS CNC** and **Direct Control** expertise that provides :

- **agility via the robot,**
- **precision of the numerical control,**
- **speed of the Direct Control**



Discriminating expertise from **VLM ROBOTICS** in motion control certified by the **Siemens Solution Partner** label

Solution  
Partner

Automation  
Drives

**SIEMENS**

## KEY PACKAGED SOLUTION IN HAND

to facilitate your first steps



### CUSTOMISE BY :

- part useful volume from **Ø300 H300** to **Ø1500 H1500**
- nb of axes for turning table : **1 or 2 axes**



INSIDE WITH 2 AXES

● **Modular size** as you want but turnkey solution

● **Industrial maintainability:** machine tool maintainable by your services + remote diagnosis

● Machine designed for **traceability** and **monitoring** ...

● Robotic cell preconfigured to be **scalable,** **designed for the multifunction** ...

● **Connected machine, secure** ... remote maintenance but also data analytics (real machine 4.0)