

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



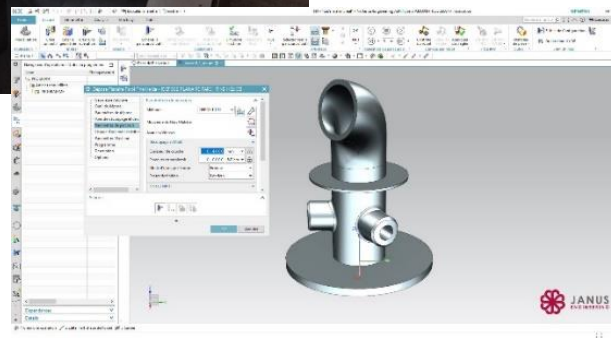
AND ON NX SOFTWARE

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**.

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

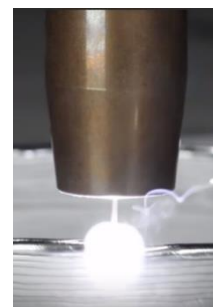


NX CAD

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.

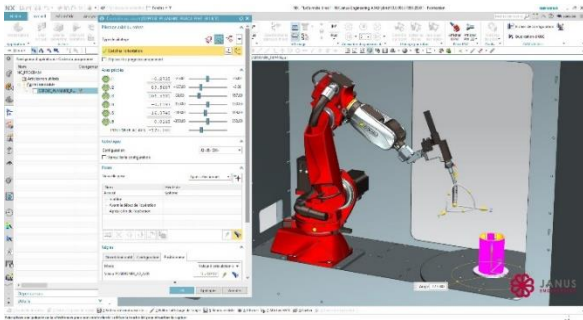
Its **Advanced technology** makes it possible to integrate the polarity of the welding intensity into the process control.



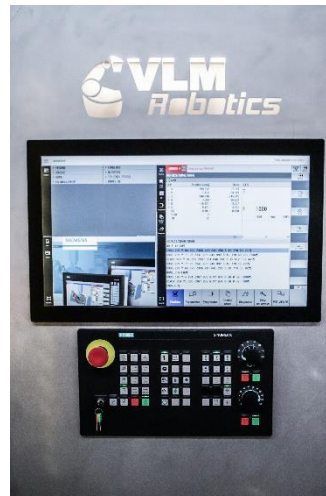
FRONIUS HEAD

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



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)