

COMP@QT

ROBOTIZED AGILE CELL FOR THE ADDITIVE MANUFACTURING OF METALLIC PARTS XL

From special XXL metal additive manufacturing machine



POLY-SHAPE CELL PARTS 5M x 1,5 M x 1,5 M

...to the standard XL machine

- combining **WAAM** (Wire Arc Additive Manufacturing) technology
- the **performance of the 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 ... Training-Research organizations

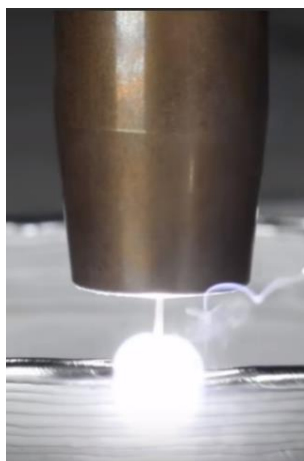


NON CONTRACTUAL PICTURE : EXHIBITION COMP@QT CELL

... 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.

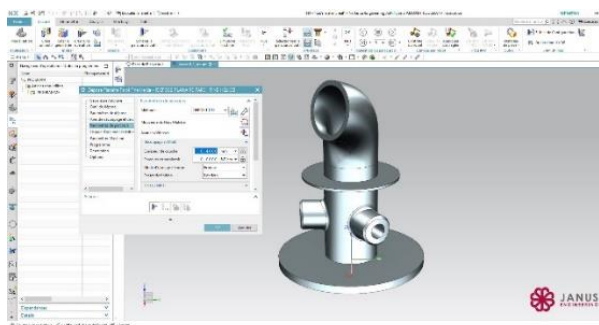


TORCHE FRONIUS

... and on NX software

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

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



NX CAD

ROBUSTNESS OF THE COMP@QT

Machine dimension: 900x3000x2000,
transportable machine

Work envelope (nominal part dim): Ø600 H600;
max weight: 500kg

7-axis machine: Robot + turntable + CMT Advanced system and **connected Mindshere**

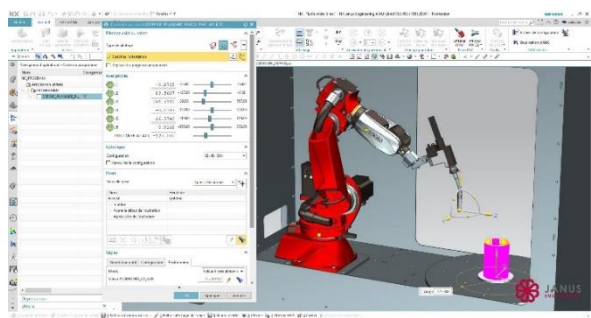
Easy way of appropriation via CNC. No specific knowledge of the robot is needed to drive it!

Machine proposed with **license NX** compatible with your other software



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**



NX CAM



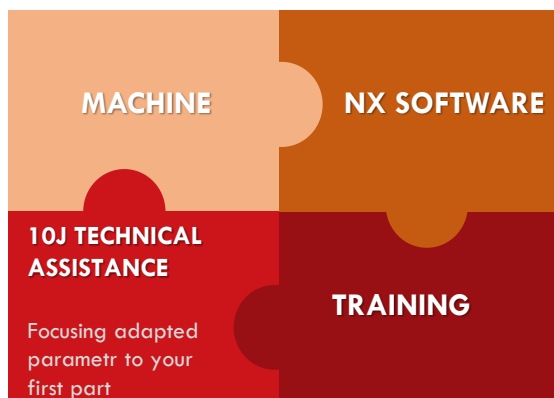
Discriminating expertise from **VLM ROBOTICS** in motion control certified by the **Siemens Solution Partner** label

Solution Partner

Automation Drives

SIEMENS

KEY PACKAGED SOLUTION IN HAND to facilitate your first steps



Turnkey offer today in its basic version aluminum, steel. Tomorrow in its full Inert version (titanium ...)

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

Machine designed for **traceability** and **monitoring** ...
... *Many options to come!*

Robotic cell preconfigured to be **scalable, designed for the multifunction** ... *Many options to come!*

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