



SUD OUEST SYSTEME
machines outils



Intertek

Braiding Composite Materials

2D & 2D- ½

- **Braiding machines for composite fibers:** carbon fibers, glass, aramid...
- Possibility of braids integrating **0 deg fibers** (unidirectional 2D-½).
- **Fiber angle adjustment** at any point along the path.
- **Time zones with adjustable tension.**
- **Water mist spraying to improve friction** between fibers.
- Parts / core carrier on **6-axis robot base**, addition of an **additional linear axis** for long parts.
- **Additional robot** for braid opening or additional support.
- **Slaving the pulling speed** depending on the braiding speed.
- Link : <https://youtu.be/vCTI3UbZtpE?t=122>





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Filament Winding machine

Composite



Features :

- **Ranges and axis feedrate :**

- Z : 1500 mm, 20 m/min
- C : Modulo 360°, 15 up to 40 tr/min

- **Adjustable and controlled filament tension**

- **Filament sweep (parallel to Z axis) :** tailor-made race

- **Material :** Glass fiber, carbon,...

- **NC :** Num Flexium, Fanuc 18i, Siemens 840D

- **Options :** Cross table (X,Z), Multi filament

