

HIGH VOLUME DEPOSITION & PREFORMING LINE COMBINING NCF & DFP ON THE SAME PART

1 Non-crimp fabric head 500mm & 1 dry fiber placement 1,5" – on a meter travel X-rail robot mounted

CHARACTERISTICS

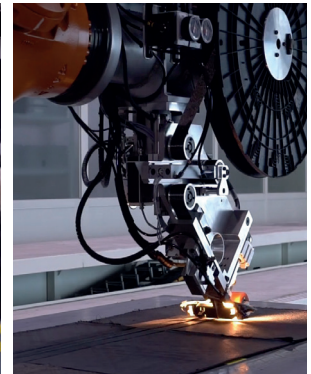
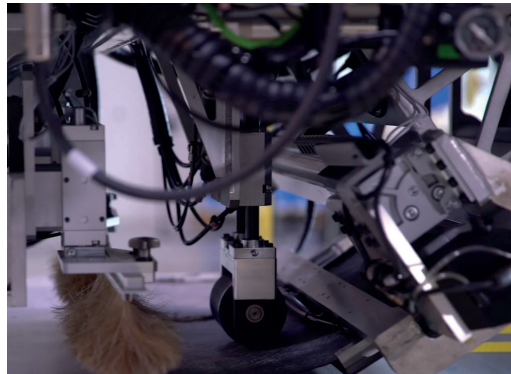
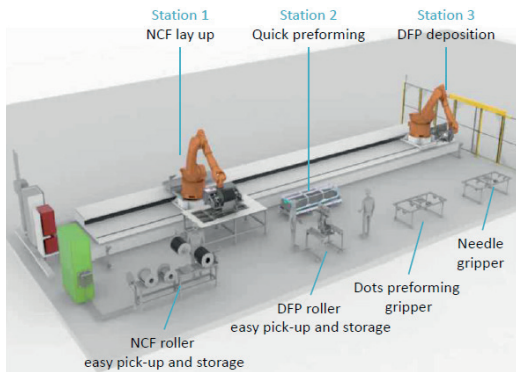
12,5 meters travel X-rail receiving both robots:

NCF Head + KUKA Robot model KR480

Deposition speed : 300 mm/sec. max.
NCF width : 500 mm
Robot range : 3326 mm
Process accuracy : 0/+3mm
Payload : 480 kg

DFP Head + KUKA Robot model KR480

Deposition speed : 300 mm/sec. max.
DFP width : 1,5"
Robot range : 3326 mm
Process accuracy : +/- 1 mm
Payload : 480 kg
Pick & place : 2x1m frame with 12 grippers



OFFER

- Means for high-speed high-volume affordable large structural parts
- Markets : energy (renewable and traditional), aerospace, transportation, etc.
- R&D: process & materials development with «design-For-Manufacturing» approach; feasibility trials (design and manufacture of prototypes/demonstrators); proof of concept; virtual industrial workshop definition dedicated to a specific application.

OUR R&D WORK

- Full high-rate deposition evaluation of an application from design to industrial means definition.



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