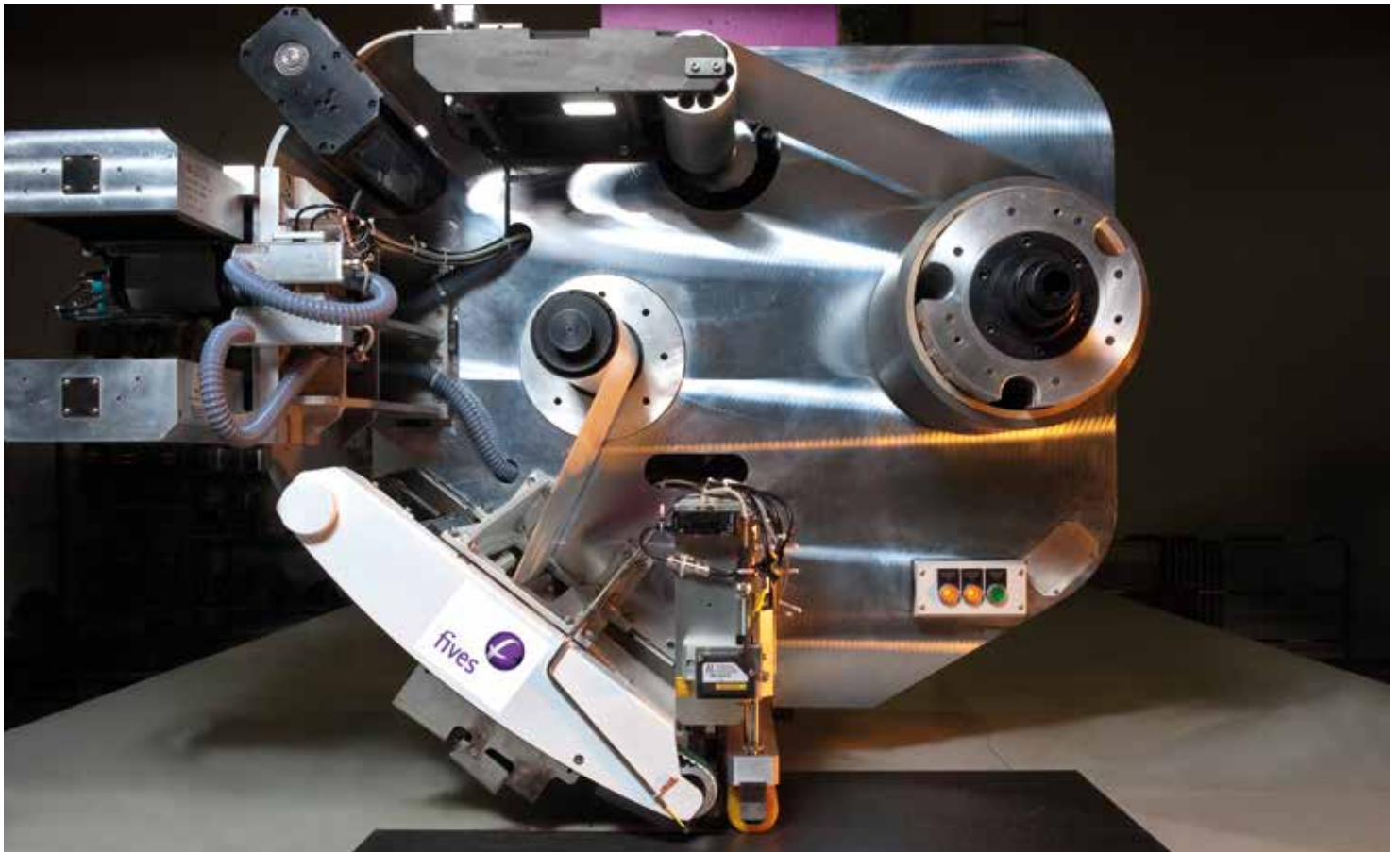


Forest-Liné ATLAS One

Automated Composites Processing



Two-in-one technology at the best price: advanced cutting and double curvature tape-laying machine, offering the highest performance with minimal maintenance

- **Reduced maintenance**
- Offers the best ratio of price and performance for parts up to 4 m wide
- Provides high positioning accuracy with the continuous 6-axis head
- Produces complex shapes thanks to two ultrasonics cutters
- IPI: In-Process Inspection of the lap and gap (step and gap) values for Quality Assurance
- Improves quality and maintenance using an automatic cutter height adjustment and automatic cutter cleaning function

Over 35 Forest-Liné tape-laying solutions supplied worldwide.

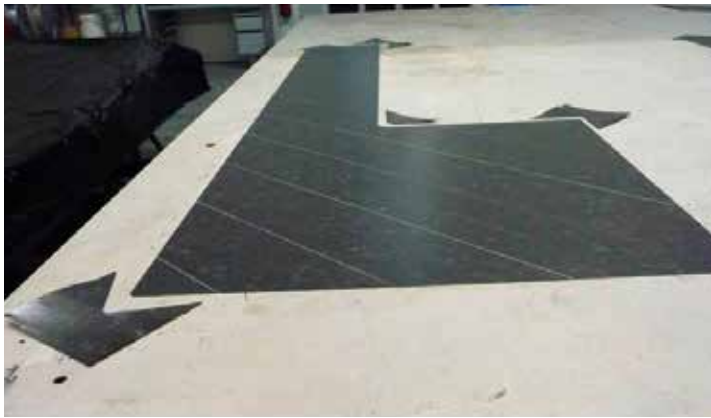
Thanks to its know-how in the composite industry, Fives designs tape-laying solutions adapted to each market's unique requirements, in particular for the aerospace and wind energy markets.

The **Forest-Liné ATLAS One**, integrates advanced cutting and tape layer technology in a single machine. With the ability to produce parts up to 4 m wide with double curvature, this solution offers the best ratio of price and performance.

This simplified machine can compete with economical and common technologies, but offers high automation which can't be found anywhere else.

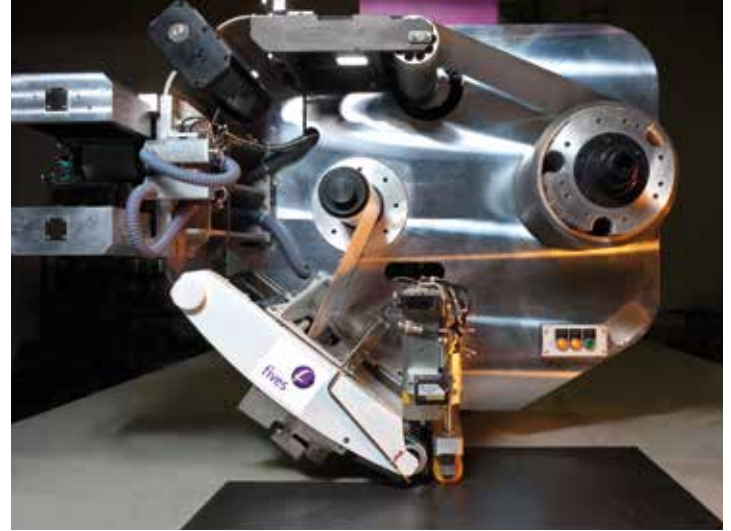
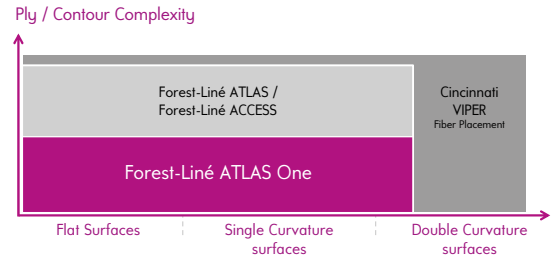
OPTIONS

- Foreign object detection
- Infra red heating
- Ultrasonic trimming cutter
- Inkjet marking
- Ply boundary inspection
- Program simulation offline
- Part traceability
- In-process recording of the lap and gap values for Quality & Assurance
- Possibility to lay-up pre-cut cassettes from ACCESS



Cutting patterns: two cutters for all kind of shape

- Multi segment cut
- Single phase cutting capability



- **Continuous 6 axis head**
- High positioning accuracy
- Accuracy for lap & gap

FEATURES

- Linear axis X: 8m to 40 m; Y: 4m; Z: 1m
- Rotary axis: C axis: +/- 200 deg; B axis: +/- 30 deg; A axis: +/- 30 deg
- User-friendly integrated HMI: FL Vision
- Linear motors X, Y axis: 60 m/min
- Acceleration: 1 m/s²
- Carbon prepreg tape: 150/300 mm
- CNC: SIEMENS 840D sl
- Direct measuring system
- Eco design
- CE certification

SOME REFERENCES

Airbus — Avic — Daher Socata — Dassault Aviation — Fuji Heavy Industries — Mitsubishi Heavy Industries.

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