Dr. Patrick Kölzer

tomated production of thermoplastic composite parts using AFPT's laserassisted placement technology

AFP









ADVANCED FIBRE PLACEMENT TECHNOLOGY

Application Center



- Four different placement cells available
- Development of thermoplastic composite components together with the customer
- Production of composite components
- Small Serial Production
- Further development of the laser-assisted placement technology
- Commissioning of placement systems

AFPT

ADVANCED FIBRE PLACEMENT TECHNOLOGY

R&D Systems





- LCC in Munich / Germany
- IComp in Limerick / Ireland
- Cetim in Nantes / Ireland
- DLR in Stuttgart / Germany
- DLR in Augsburg / Germany
- ANU in Canberra / Australian
- Company (N.N.) / Japan



AFPT





ADVANCED FIBRE PLACEMENT TECHNOLOGY

Industrial Systems







- 18 placement systems delivered to a customer in the offshore industry for the production of endless composites pipes
- 2 machines for the production of endless pipes
- 1 complete facilities for the serial production of 450.000 small tubes per year
- 2 complete facilities for the serial production of big tubes



ADVANCED FIBRE PLACEMENT TECHNOLOGY

Vision for the future



Fully automated production process for the manufacture of thermoplastic composite components using AFPT's laser-assisted placement technology

Friday, 18 June 2021

Company and Technology

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Placement Tools





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Equipment and Markets



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Further processing of fiber composite components

Reforming

Overmoulding



Source: Mitsui Chemicals

Automation and Industrialization

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Thank You For Your