



Case	Deformed shape	Defects
Perfect condition		Local buckling Thickening Thinning
Width variation		Local buckling Thickening Thinning
Tension variation		Local bending Thinning
Feed length variation		Local buckling Thickening Thinning

Table 1. Tow deformation characteristics

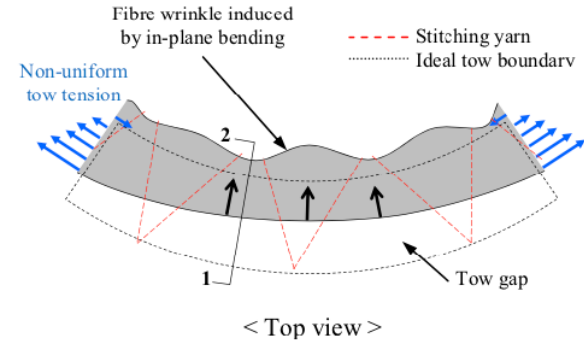


Fig. 5. Real tow deformation during the embroidery process.

Professor Kevin D. Potter

The middle and right-most image are from: B. Kim, K. Hazra, P. Weaver, K. Potter, Limitations of fibre placement techniques for variable angle tow composites and their process-induced defects, 18th International Conference on Composite Materials, 15-18 June 2015, Lisbon, Portugal.

See:

<https://www.researchgate.net/scientific-contributions/2084350259-Kevin-D-Potter>

<http://www.bristol.ac.uk/engineering/people/kevin-d-potter/>

Department of Aerospace Engineering, Bristol University, UK

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