Accepted Manuscript

Process-Induced Strain and Distortion in Curved Composites. Part II: Parametric study and application

Kazunori Takagaki, Shu Minakuchi, Nobuo Takeda

PII: S1359-835X(17)30357-3

DOI: https://doi.org/10.1016/j.compositesa.2017.09.019

Reference: JCOMA 4788

To appear in: Composites: Part A

Received Date: 24 March 2017 Revised Date: 4 August 2017 Accepted Date: 30 September 2017



Please cite this article as: Takagaki, K., Minakuchi, S., Takeda, N., Process-Induced Strain and Distortion in Curved Composites. Part II: Parametric study and application, *Composites: Part A* (2017), doi: https://doi.org/10.1016/j.compositesa.2017.09.019

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

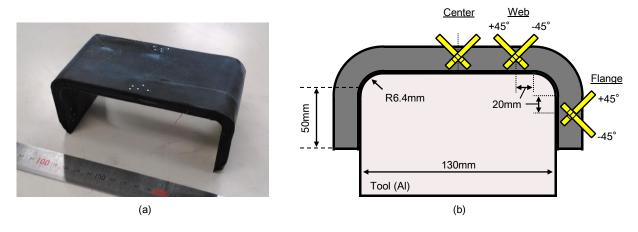


Fig. 1 Photograph and schematic of the U-shaped specimen.

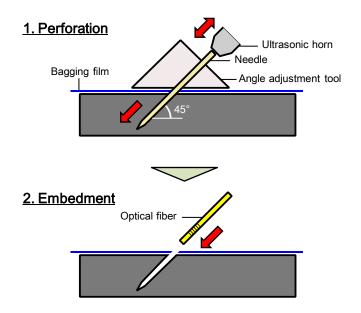


Fig. 2 Schematic of perforating process. Embedment speed significantly increased compared with the method used for L-shaped specimens.

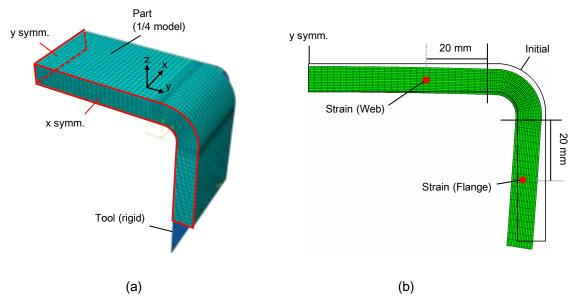


Fig. 3 FEA model for U-shaped part. (a) 1/4 model with boundary conditions. (b) Strain and displacement measurement points.

Download English Version:

https://daneshyari.com/en/article/5439375

Download Persian Version:

https://daneshyari.com/article/5439375

<u>Daneshyari.com</u>