

Fig. 3. Progressive deformation patterns of flat top shell and force curves in indentation, (a) FS; (b) FF deformation condition.

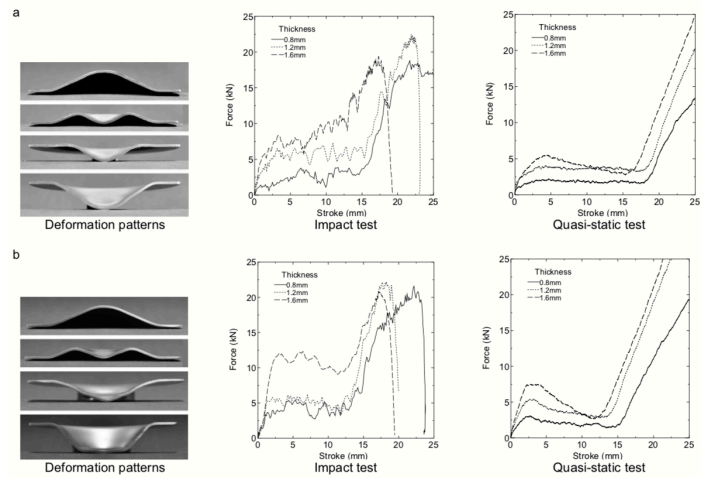


Fig. 4. Progressive deformation patterns of hemispherical top shell and force curves: (a) SS; (b) SF deformation condition.

The images above are from: Zubair Bin Khalil, Minoru Yamashita, Yusuke Kuno and Toshio Hattori, "Energy absorption performance of press-formed shell", *Procedia Engineering*, Vol. 81, pp 951-956, 2014

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