

# Accepted Manuscript

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PII: S0022-1996(17)30110-1  
DOI: doi:[10.1016/j.jinteco.2017.08.006](https://doi.org/10.1016/j.jinteco.2017.08.006)  
Reference: INEC 3075

To appear in: *Journal of International Economics*

Received date: 28 January 2014  
Revised date: 13 February 2017  
Accepted date: 28 August 2017



Please cite this article as: Manova, Kalina, Yu, Zhihong, Multi-Product Firms and Product Quality, *Journal of International Economics* (2017), doi:[10.1016/j.jinteco.2017.08.006](https://doi.org/10.1016/j.jinteco.2017.08.006)

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## Multi-Product Firms and Product Quality\*

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February 2017

**Abstract**

We examine the global operations of multi-product firms. We present a flexible heterogeneous-firm trade model with either limited or strong scope for quality differentiation. Using customs data for China during 2002-2006, we empirically establish that firms allocate activity across products in line with a product hierarchy based on quality. Firms vary output quality across their products by using inputs of different quality levels. Their core competence is in varieties of superior quality that command higher prices but nevertheless generate higher sales. In markets where they offer fewer products, firms concentrate on their core varieties by dropping low-quality peripheral goods on the extensive margin and by shifting sales towards top-quality products on the intensive margin. The product quality ladder also governs firms' export dynamics, both in general and in response to the exogenous removal of MFA quotas on textiles and apparel. Our results inform the drivers and measurement of firm performance, the effects of trade reforms, and the design of development policies.

JEL codes: D22, F10, F12, F14, L10, L11, L15.

Keywords: Trade, trade reforms, multi-product firms, product quality, export prices.

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\*We thank the editor and two anonymous referees for their constructive feedback. We also thank Andrew Bernard, Meredith Crowley, Jonathan Eaton, Carsten Eckel, Doireann Fitzgerald, Penny Goldberg, Elhanan Helpman, Beata Javorcik, Robert Johnson, Marc Melitz, Peter Neary, Stephen Redding, Robert Staiger, Jim Tybout, and Eric Verhoogen for insightful conversations, and conference participants at the 2012 AEA Annual Meeting, 2012 NBER ITI Spring Meeting, 2012 EIIT Conference, and 2011 IGC Trade Programme Meeting for their comments. Kalina Manova acknowledges support from the International Growth Centre (LSE), the Freeman Spogli Institute (Stanford), and the Institute for Research in the Social Sciences (Stanford).

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