

# **The Evolution of the Production Network in Machinery Industries**

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## **Abstract**

Employing disaggregated import data obtained from the UN Comtrade, the present work analyzes the evolution of the trade in the machinery sector across the globe. Sharing the machinery data in final products and parts and components, we try to check for a hypothesis that the growth of production network in East Asia already extrapolated this region, beginning a second stage where it is promoting the integration of the production networks in a world scale. In this stage, the East Asian region would export machinery parts and components to third countries in other regions (mainly NAFTA or Europe) that would use it to produce final products and other parts and components that are re-exported inside their regions. Furthermore, using the gravity model we test the evolution of two different categories of machinery, in order to check how the expansion of the production network of electric machineries and transport equipment behaves.