

**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We have issued our report dated June 26, 2014, with respect to the financial statements and supplemental schedule of ITW Bargaining Savings and Investment Plan on Form 11-K for the year ended December 31, 2013. We hereby consent to the incorporation by reference of said report in the Registration Statement of Illinois Tool Works Inc. on Form S-8 (File No. 333-69542, effective September 18, 2001).

By: /s/Grant Thornton LLP  
Chicago, Illinois  
June 26, 2014