

Accepted Manuscript

Title: Design and experimental evaluation of a precise and compact tubular ultrasonic motor driven by a single-phase source

Author: V. Dabbagh Ahmed A.D. Sarhan J. Akbari N.A. Mardi



PII: S0141-6359(16)30394-4
DOI: <http://dx.doi.org/doi:10.1016/j.precisioneng.2016.11.018>
Reference: PRE 6494

To appear in: *Precision Engineering*

Received date: 21-3-2016
Revised date: 29-11-2016
Accepted date: 30-11-2016

Please cite this article as: Dabbagh V, Sarhan Ahmed AD, Akbari J, Mardi N.A. Design and experimental evaluation of a precise and compact tubular ultrasonic motor driven by a single-phase source. *Precision Engineering* <http://dx.doi.org/10.1016/j.precisioneng.2016.11.018>

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.

Design and experimental evaluation of a precise and compact tubular ultrasonic motor driven by a single-phase source

V. Dabbagh¹, Ahmed. A. D. Sarhan^{1,2,*}, J. Akbari³, N. A. Mardi¹

¹Centre of Advanced Manufacturing and Material Processing, Department of Mechanical Engineering, Faculty of Engineering, University of Malaya, 50603, Kuala Lumpur, Malaysia

²Department of Mechanical Engineering, Faculty of Engineering, Assiut University, Assiut 71516, Egypt

³School of Mechanical Engineering, Sharif University of Technology, Tehran, 14588-89694, Iran

* Corresponding author,

Tel: +60-379674593, Email: ah_sarhan@yahoo.com

Highlights

- Development of a new precise compact tubular ultrasonic motor
- Design of motor using finite element method
- Measuring working characteristics of motor including speed, torque, power, efficiency

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات