An application of Pareto analysis and ca ....

The Journal of The Textile Institute > Volume 108, 2017 - Issue 11

1.592 18

Views CrossRef citations to date Altmetric

**Articles** 

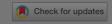
# An application of Pareto analysis and causeand-effect diagram (CED) to examine stoppage losses: a textile case from Bangladesh

Jamal Hossen, Nafis Ahmad & Syed Mithun Ali

Pages 2013-2020 | Received 23 Nov 2016, Accepted 16 Mar 2017, Published online: 27 Mar 2017

**66** Cite this article

⚠ https://doi.org/10.1080/00405000.2017.1308786





Full Article

Figures & data

References

**66** Citations

**Metrics** 

Reprints & Permissions

Read this article

# **Abstract**

Spinning industries are facing challenges of improving productivity in the competitive market nowadays. Ring spinning, the most widely used yarn manufacturing process for short staple spinning, uses several types of machinery from blow room to ring frame for

producir by ident

points in

are i

respons

causes 1

broken (

About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our Privacy Policy

resources Accept All different losses that Essential Onl on. The Settings es are nalysis, root g time, ilure and

change in Draft Change Pinion (DCP) due to breakage of teeth of the gear during starting of machine by operators before lowering of ring rail and change of Twist Change Pinion (TCP) due to the displacement of TCP gear shaft. Finally, few recommendations are made to reduce stoppage losses and to increase the productivity of the ring frame section.

Q Keywords: Yarn manufacturing process ring frame OEE stoppage losses Pareto analysis cause-and-effect diagram loss prevention

# Related research 1

People also read

Recommended articles

Cited by 18

The Pareto managerial principle: when does it apply? >

#### Abraham Grosfeld-Nir et al.

International Journal of Production Research

Published online: 26 Apr 2007

Ishikawa Cause and Effect Diagrams Using Capture Recapture Techniques >

#### R. Ufuk Bilsel et al.

Quality Technology & Quantitative Management

Published online: 9 Feb 2016

Automated digital cause-and-effect diagrams to assist causal analysis in problem-solving: a data-driven approach >

# Zhaogu Internat Publishe

## About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our <a href="Privacy Policy">Privacy Policy</a>



Essential Only

Settings



Information for

**Authors** 

R&D professionals

**Editors** 

Librarians

Societies

Opportunities

Reprints and e-prints

Advertising solutions

Accelerated publication

Corporate access solutions

Open access

Overview

Open journals

**Open Select** 

**Dove Medical Press** 

F1000Research

Help and information

Help and contact

Newsroom

All journals

Books

# Keep up to date

Register to receive personalised research and resources by email



Sign me up











Copyright © 2024 Informa UK Limited Privacy policy Cookies Terms & conditions



Accessibility

Registered in England & Wales No. 3099067 5 Howick Place | London | SW1P 1WG

## About Cookies On This Site



We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our <a href="Privacy Policy">Privacy Policy</a>



Essential Onl

Settings