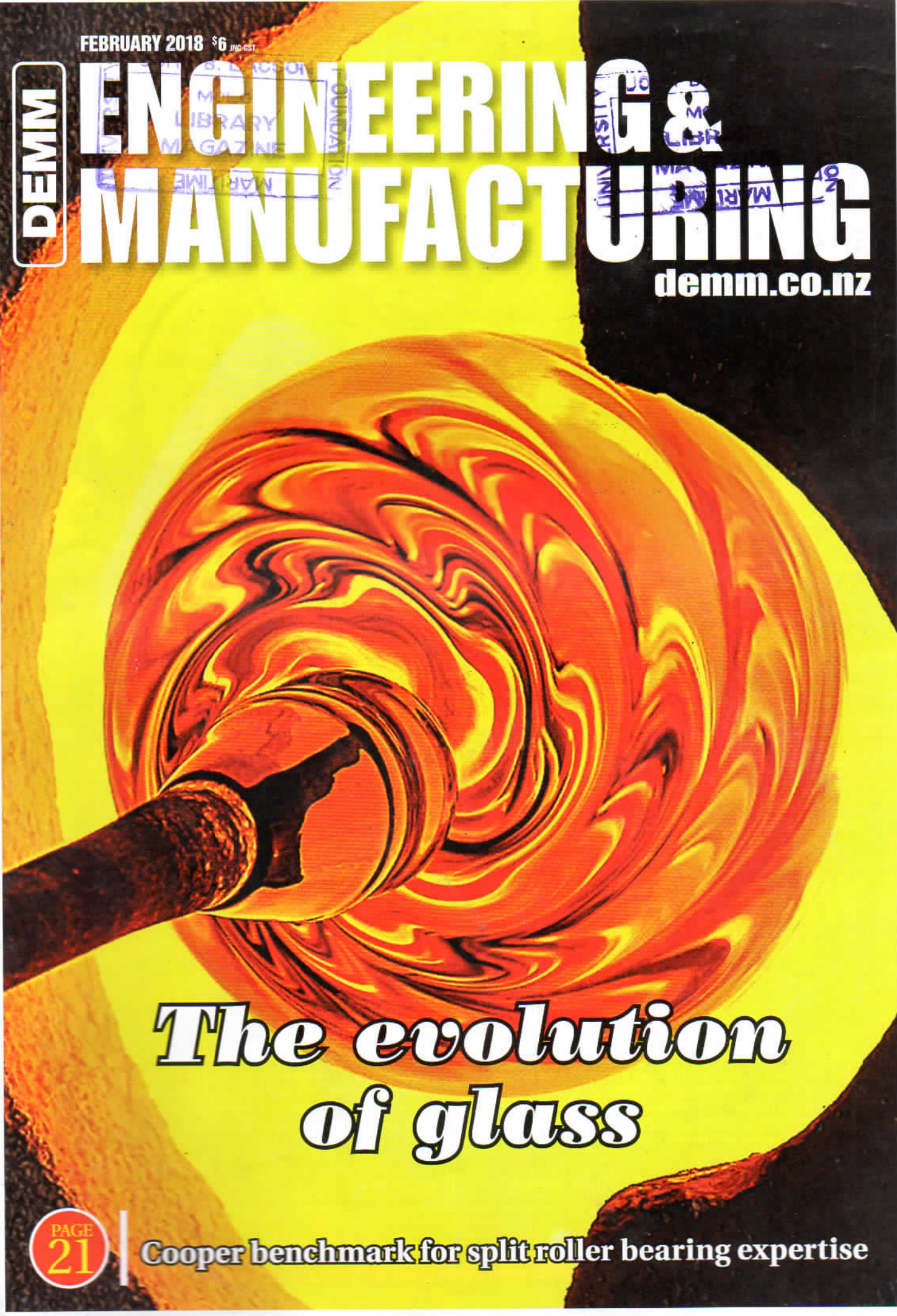


FEBRUARY 2018 \$6 inc GST

DEMM

ENGINEERING & MANUFACTURING

demm.co.nz



The evolution of glass

PAGE
21

Cooper benchmark for split roller bearing expertise

EDITORIAL

New year, new opportunities – welcome to 2018.

We're already a month into it and what a hectic month it has been, with heat, humidity, storms and floods.

I read that 2018 will be a year in which people will become more aware of imbalances of power and seek to adjust them. This uber-awareness is because of a shift in the Universe that began in 2015. Apparently, nobody knows the cause of the shift – possibly the acceleration of the Earth's rotation, maybe the recent proximity of heavenly bodies – but it is a shift.

Creative people are said to be the ones who will most sense this – that's all you engineers, designers, inventors, manufacturers – all you makers and creators.

There will be growing pains, say the seers, but in general the world is heading in a better direction. However, we also need to be open to things because, they say, our best possible reality might be something we can't imagine.

So buckle up – it could be a wild, albeit satisfying, ride.

JANE WARWICK



08



16



14

CONTENTS

- 02 Product Watch
- 08 Case study – the thin glass revolution
- 10 CTV and ethics
- 11 News
- 18 Health & Safety
- 21 Conveyor Systems
- 24 Pumps & Valves
- 27 Electrical Cables
- 29 Good business – Increase production, lower profits?



21



25

NEXT TIME...

- THERMAL IMAGING • RECYCLING
- INTERNET OF THINGS/INDUSTRY 4.0
- WATER & WASTEWATER • LEAD-UP TO EMEX

Your stories and photos – submission guidelines

We welcome your news and photos. To help us, please send all images as high resolution JPG files (file size to be at least 2mg+ or 2000k+). Apart from product shots, the best photos feature people doing something as empty factories and abandoned machinery do not make compelling photos. We prefer unformatted text and do not accept PDF press releases. Name photos and your text document with the same name. Send your news and photos to Editor@DEMM.co.nz

SUBSCRIPTIONS: An 11-issue annual subscription in New Zealand is \$59.00 (incl GST). Please call us for overseas rates.
 COPYRIGHT: DEMM Engineering & Manufacturing Magazine may not be reproduced in whole or in part without the prior written permission of the publisher. Neither editorial opinions expressed, nor facts stated in advertisements, are necessarily agreed to by the editor or publisher. While all efforts are made to ensure accuracy, no responsibility will be taken by the publishers for inaccurate information, or for any consequences of reliance on this information.
 EDITOR: Jane Warwick, editor@demm.co.nz ADVERTISING: Nicki Nemeth, nicki@demm.co.nz PUBLISHER: Cathy Parker, cathy@adrenalin.co.nz DESIGNER: cherie@adrenalin.co.nz
 SUBSCRIPTIONS: subs@adrenalin.co.nz PROOFREADING: George Ward ADRENALIN PUBLISHING LTD, 14c Vega Place, Mairangi Bay, P.O. Box 65 092 Mairangi Bay, Auckland, 0754.
 PHONE: 64-9-478 4771 FACSIMILE: 64-9-478 4779 PRINTING: Image Centre. ISSN 1172-4536 (Print) ISSN 2253-279X (Online) AUDITED CIRCULATION: 12,619



Supported by:



facebook

facebook.com/demmamagazine