







DEPARTMENTS

6	AEI NEWS	08
0	IN VIEW THIS MONTH	10
4/	COMPANY ON THE MOVE	59
	BUSINESS STRATEGY	60
-	PRODUCT NEWS	64

ASIA ELECTRONICS INDUSTRY (ISSN 1342-422X) is published monthly by Dempa Publications, Inc., 1-11-15 Higashi Gotanda, Shinagawa-ku, Tokyo 141-8715, Japan Tel: +81-3-3445-6111 Fax: +81-3-3445-6890. Editorial e-mail: may@dempa.co.jp; Subscription e-mail: circulationmanila@dempa.co.jp.

The magazine is distributed free to qualified subscribers in ASEAN countries (Thailand, Indonesia, The Philippines, Malaysia, Singapore, Brunei, Vietnam, Myanmar, Cambodia and Laos), as well as Korea, Taiwan and Hong Kong.

Paid air mail subscription is available to non-qualified subscribers in the Asian and Pacific regions for US\$150 per year and US\$260 for two years. For other areas, air mail subscription fees are US\$160 per year and US\$280 for two years. Paid subscription is accepted at https://www.dempa.co.jp/en/pdfs/orderform.pdf

Send address corrections to Dempa Publications, Inc., c/o Quantium Solutions (HK) Ltd. Unit 3-6, G/F Pacific Trade Centre, 2 Kai Hing Road, Kowloon Bay, Kowloon, Hong Kong

TAIWAN: International Dempa Trade Co. Ltd.,7F, No. 34, Sec. 1, Nanjing East Road., Taipei, Taiwan 104 Tel: +886-2-2563 4595 Fax: +886-2-2567-5559 KOREA: Dempa Publications, Room 1019, Punglim VIP Tel, 404, Gongdeuk-dong, Mapo, Seoul, Korea 04144, Tel: +82-2-714-2983 Fax: +82-2-714-2984 PHILIPPINES: Dempa Publications, Inc. - Regional Headquarters, Herrera Tower, Room 2510, 98 V.A. Rufino Street, Salcedo Village, Makati City, Philippines, Tel: +63-2-8845-0906 Fax: +63-2-8845-1829

President & Publisher: Tsutomu Hirayama Copyright © 2021 by Dempa Publications, Inc.

All rights reserved. The contents of this magazine may not be reproduced in whole or in part without the prior permission of the copyright owner. Printed in China.

ep India Special

Players Irack India's Growth Potentials	12
Post Pandemic	_ 12
FUJI	_ 13
SEMICON Taiwan Special	
Record Growth in Chip Equipment to Extend in 2022	_ 16
Lasertec to Pitch Advance EUV Lithography Systems	_ 18
Panasonic Gives Weight on New IC Process	• 0
Technologies Maxell's Back Grinding Tapes Support Wafers	_ 20
With Bumps	22
NAGANO KEIKI's Pressure Measurement Supports	
IC Industry	_ 24
Data Guzzling Applications Drive Chip Innovations	_ 26
Power ICs Shape up to Meet Emerging	• •
Automobile Trends	_ 28
Bump Support Film Improves Reliability of WLCSP	_ 30
SPECIAL REPORT	
IIoT Paves Way for Factory of the Future	_ 32
TECH FOCUS	
Panasonic Realizes Flow Soldering for 0603 Chips	_ 35
COMPONENT MATERIALS	_39
SMTs: IN REVIEW	_ 41
TEST AND MEASUREMENT	42
TECHNOLOGY HIGHLIGHT	
Simulation Technology Shortens Chip	
Verification Time	_ 45
Innovative Magnet Tops Performance with	
Less HRE Metal	_ 46
PRODUCT HIGHLIGHT	
TDK Builds up Portfolio of Inductive Devices	48
Novel Antenna Complements New Wi-Fi Standard	
Murata Manufacturing Expands Functional	/
Device Products	_ 50
NICHICON Ensures Long Life of Capacitors	= 1
at High Temperatures	_ 51
INDUSTRY REPORT	_ 52
ZOOM IN	
ZOOM-IN	_ 58
MANUFACTURING FRONT	_62

Ower-dle Detendiele