

Dear Friends,  
Wish you a Very Happy New Year 2013. May this New Year be a step forward, in leading you to new adventures, new roads to explore and new heights to achieve.

We live in the era of 'Converged Communications'. An era where we need to communicate more frequently with you, reach out to you in multifarious ways, understand your challenges and meet them proactively, in all manner possible.

Though my team is in direct contact with you at all times, we wanted to reach out to you at a converged plane where you can see and read the new developments happening at UNO MINDA at a glance on a regular basis.

With this aim in mind, we have taken the initiative of framing the UNO MINDA Corporate Newsletter where we can share with you our milestones and achievements as well as the initiatives we are taking for the industry.

It is indeed a pleasure to bring out this newsletter on the occasion of our 55th Anniversary. We have traveled a long way and gone through many ups and downs to reach here today. The Journey has been eventful and exciting. We have many more milestones to achieve and look forward to your support for the same.

Your feedback is precious and required. Would request you to drop in a line or two letting us know how we can customize it to your requirements.

Thanks and Warm Regards always

Nirmal K Minda  
CMD, UNO MINDA



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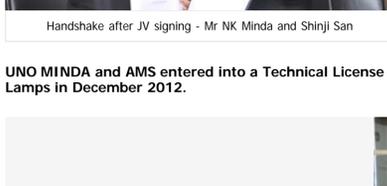
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## CORPORATE NEWS

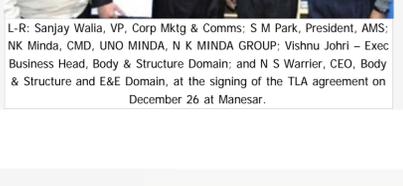
**UNO MINDA and Nabtesco Automotive Corporation announced a joint venture for designing, manufacture and sale of Air Brakes and Clutch Actuation Systems for Medium & Heavy Commercial Vehicles in December 2012.**



The Joint Venture will be set up with equity of INR 373 Million in a 51: 49 partnership with UNO Minda holding 51% and Nabtesco holding 49% of the equity. The new company will be known as Minda Nabtesco Pvt. Ltd. The JV's manufacturing plant will be set up in Pantnagar, Uttarakhand with start of production planned in July 2014. This JV is being considered as a major move by both the partners as it will help them establish a new product line and explore new markets.

## UNO MINDA and AMS entered into a Technical License Agreement to develop highly engineered Automotive Lamps in December 2012.

The TLA has been signed for design, manufacture and sale of highly engineered Automotive Lamps. With this agreement AMS would provide technical support for design and development of Head Lamps, Tail Lamps, Fog Lamps etc., both with conventional light sources, as well as new technologies such as LED light sources, for four wheeler OEMs in India and Indonesia.



L-R: Sanjay Wallia, VP, Corp Mktg & Comms; S M Park, President, AMS; NK Minda, CMD, UNO MINDA, N K MINDA GROUP; Vishnu Johri - Exec Business Head, Body & Structure Domain; and N S Warrior, CEO, Body & Structure and E&E Domain, at the signing of the TLA agreement on December 26 at Manesar.

## Ground Breaking Ceremony of Fujitsu Ten Pvt. Ltd.



The Earth Breaking Ceremony of Fujitsu Ten Minda India Pvt. Ltd took place in July 2012 in Bawal, Haryana in the presence of senior delegates of Fujitsu Ten and NK Minda group.

The JV between Japanese automobile component manufacturer Fujitsu Ten Limited and UNO MINDA, NK Minda Group is an attempt to tap into the growing segment of Car Infotainment products and bring innovative products to the Indian market. There are plans to produce Car Infotainment products such as CD tuners, Speakers and Audio Visual Navigations (AVNs) which will start in Q2 of 2013.



Katsumaru San, Chairman, Fujitsu Ten Limited and NK Minda, CMD, UNO MINDA at the unveiling

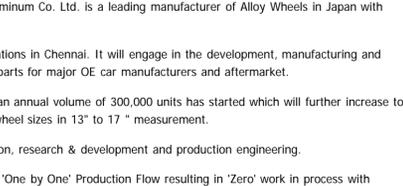
## Start of Production at the New Roki Minda Plant at Bawal



ROKI Minda Co. Private Limited is a Joint Venture between UNO MINDA, NK Minda Group and Roki Co. Limited of Japan. A state-of-the-art modern manufacturing plant has been set up in Bawal for manufacturing Air Intake Systems.

The plant has begun operations and will cater to the needs of OEMs in four wheeler and two wheeler segments. Roki's global R&D department will support the company for all product design and development needs.

The avant-garde manufacturing plant has advanced lines, Oil Spray, Ultrasonic Welding and Injection Molding facilities to produce Air Intake Systems with Japanese technology. The plant has manufacturing methodologies which make assembly lines more efficient, with reduced lead times, reduce work in progress inventories as well as allowing rapid response to process or product changes.



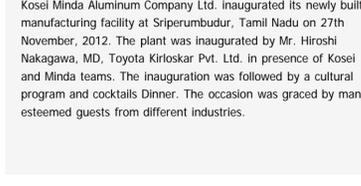
## Start of Production at the New Kosei Minda Plant at Chennai

UNO MINDA, NK Minda Group established a 40:60 Joint Venture with Kosei Aluminum in December 2010. This JV will manufacture Alloy Wheels and Precision Aluminum Die Casting Parts for major OEMs. Kosei Aluminum Co. Ltd. is a leading manufacturer of Alloy Wheels in Japan with head office in Toyota City, Aichi Prefecture.

The new JV named Kosei Minda Aluminum Co. Ltd. has begun operations in Chennai. It will engage in the development, manufacturing and sales of aluminum alloy wheels and precision aluminum die casting parts for major OE car manufacturers and aftermarket.

Built on an area of 32,000 sq meters in Chennai, the production of an annual volume of 300,000 units has started which will further increase to 600,000 units annually by 2014. The company is currently offering wheel sizes in 13" to 17" measurement.

Kosei's core of production system is its strong technological innovation, research & development and production engineering. Kosei uses SLAP (Super Low Cost Advanced Production) system and 'One by One' Production Flow resulting in 'Zero' work in process with energy savings.



Concepto Alpha



OP Magnum

## Kosei Minda Plant Inauguration Ceremony

Kosei Minda Aluminum Company Ltd. inaugurated its newly built manufacturing facility at Sripembudur, Tamil Nadu on 27th November, 2012. The plant was inaugurated by Mr. Hiroshi Nakagawa, MD, Toyota Kirloskar Pvt. Ltd. in presence of Kosei and Minda teams. The inauguration was followed by a cultural program and cocktails Dinner. The occasion was graced by many esteemed guests from different industries.



Plant Inaugural Celebration

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## TIER II UPGRADATION INITIATIVE

### Buyer Seller Meet

Under the leadership of Mr. NK Minda, the Supply Chain Committee of ACMA organized a "Buyer-Seller Business Meet" on 13th & 14th July 2012 in Rudrapur. The meet saw various purchasing and sourcing teams of OEMs, IPOs and Tier-I companies from all over the country interacting directly with auto component manufacturers.

The Objective of the Event was to provide a platform where:

- > Large Tier-I companies displayed products they would like to outsource. These were represented by purchasing teams of the respective companies.
- > Tier-II and Tier-III companies showcased their capabilities and displayed components for which they need buyers.



Mr. N K Minda speaking at the ACMA Buyer Seller Meet

In all, 81 companies participated in the event, out of which 21 were Tier-I companies and 60 were Tier-II / III Companies

The meet was inaugurated by the Chief Guest, Mr. Ashok Pilankar, Plant Head, Bajaj Auto Ltd. Rudrapur and Guest of Honor Mr. Nishesh Bhanu, Senior Superintendent of Police, Rudrapur. SIDCUL office bearers were also present at the inauguration.

Some of the prominent OEMs and Tier-1 companies who visited and showcased in the event were: **Tata Motors, Bajaj Auto, Maruti Suzuki, Mahindra & Mahindra, Ashok Leyland, General Motors, Hero MotoCorp, TACO, Delphi TVS, Varroc, Endurance.**

In an overall assessment of the event, 88% of the participants rated the event as 'Excellent to Good' and expressed their eagerness to participate in such events in future.

The satisfaction level of participants towards enquiries generated & building business linkages was also very high.

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## UNO MINDA IN EVENTS

UNO MINDA has been organizing 'Technology Day' events at various OEMs since 2010. The objective of holding these shows is to showcase our state-of-the-art R&D functions, our technical capabilities and innovative orientation.

With the same objective in mind we organized niche tech shows at Tata Motors limited (TML) and General Motor India Limited (GML), Pune on 14th and 16th of July 2012 respectively.

Here, we showcased the product lines - Air filtration system, Alternate Fuel system, Alloy Wheels, Car Infotainment system, Cylinders, Air Brake, Blow Molding, Horns, Wheel Cover, Seat belts, Four wheeler switches, Body sealing, Automotive Lighting, Electronics, EAPM apart from Innovation in Electronic Products, Innovation in Lighting products and Innovation in Four wheeler switches.

On this occasion senior management teams of both TML and GML were present. They lauded and appreciated the new initiatives and innovative product lines of UNO MINDA.



UNO MINDA blazes ahead with tech shows at TML and GML



Mr. Lowell C Paddock, President & Managing Director, GML appraising UNO MINDA Blow Molding products.



Dr. Tim Leverton, Head Advanced & Product Engineering, TML addressing a gathering of UNO MINDA and TML teams

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## INNOVATION CORNER

### Lead Free Soldering — a Green Initiative

Mindarika is carrying out lead free- soldering in its operations. Although there is no defined regulation in automotive manufacturing for lead free manufacturing in India, Mindarika has initiated this process since it supplies to customers in Europe, where lead content isn't allowed. The company considers this as a major technical progress, not just because of being ahead of regulations but also due to the complex nature of process parameters involving lead free soldering.

Lead is primarily used to soften the solder material and lower its melting temperature. Removal of lead results in increase of softer temperature. While leaded solder can be melted at 183°C, lead free solder can only be melted at 217°C (SAC305 alloy). In order to achieve better solder wettability and widen the process window, an inert ambient surrounding needs to be created for soldering using nitrogen. The cost implication of lead free solder is quite high and is about three to four times more expensive than lead soldering, but it is in consonance with the 'Green Vision' of UNO MINDA.



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## ACHIEVEMENTS

### JIPM TPM Excellence Category A Award



JIPM TPM Excellence 'Category A' award ceremony was organized in Kyoto, Japan on 22nd March 2012. Established in 1964, with the purpose of encouraging development of the manufacturing industry, factories which displayed remarkable achievement in plant maintenance are presented with TPM excellence Awards.

TPM Excellence Awards are under the control of the Japan institute of Plant Maintenance (JIPM). This award demonstrates that UNO MINDA, NK Minda group, has achieved company-wide efficiency by adopting extensive TPM processes.

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## About UNO MINDA

UNO MINDA, NK Minda Group, a proprietary leader in Auto Components Industry, is a leading supplier of automotive solutions to OEMs as Tier-1. It manufactures Automobile Components for Original Equipment Manufacturers (OEMs). It is today a 20 Billion INR (US\$400 million) group and is rapidly expanding with increased market share in its product lines.

The Group is a global player in automotive sector with manufacturing facilities in Indonesia and Vietnam and Offices in Japan, Europe and China with design centers in Japan & Taiwan. It has 32 manufacturing plants in India and has JVs/Technical Assistance Agreement (TAA) with world renowned manufacturers in Italy, India and Japan. Our continuous effort is to deliver high technology and quality products to our valued customers in worldwide area. For more information please visit [www.mindagroup.com](http://www.mindagroup.com)

UNO MINDA Corporate Communication Initiative

## Contact Us

We appreciate your feedback. For further information or your feedback, please contact us at [corpcomm@mindagroup.com](mailto:corpcomm@mindagroup.com)

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