

October 18, 2019

To whom it may concern:

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U-Shin Ltd. to Participate in the 46th Tokyo Motor Show 2019
“Proposal for more comfortable and safe cars: A response to the CASE era”



U-Shin Ltd. (U-Shin), a subsidiary of MINEBEA MITSUMI Inc. (MinebeaMitsumi), will exhibit at the 46th Tokyo Motor Show 2019.

In April 2019, MinebeaMitsumi carried out a business integration with U-Shin, a Tier 1 automobile parts manufacturer. We expect a variety of synergies such as expanding presence for automobile manufacturers as Tier 1 manufacturer, demonstrating technological synergies with the existing MinebeaMitsumi product lineup, and utilizing sales functions and global production bases.

At this exhibition, we will propose a wide range of products and solutions based on the concept of responding to the CASE (Connected, Autonomous, Shared & Service, Electric) era, which is said to be a revolutionary period in the automobile industry that happens once in 100 years.

In the main exhibition space, we will demonstrate a new smart lock system using a real vehicle and house door that automatically locks and unlocks doors using wireless communication with a smartphone, and an automatic opening and closing system for vehicle doors. These systems are equipped with a touch sensor type door handle (e-Handle), an electric latch that automatically disengages the door (e-Latch), a power door actuator that automatically opens the door and an electric door opening / closing system (e-Access) such as mobile access for homes.

Visitors can experience the latest technology suitable for the CASE era, including technologies that can automatically lock and unlock doors simply by bringing their smartphone and approaching a vehicle door or entrance door.

We will also exhibit an actual electric shifter (e-Shifter) equipped with a haptic device (resonant device). Equipping the haptic device developed by MinebeaMitsumi on the electric shifter developed by U-Shin, visitors can experience the feel of the shifter operation that is reproduced with haptic feedback. For a usage example, a touch panel display equipped with a haptic device developed by MinebeaMitsumi is also displayed.

In addition, many new technologies such as a flush handle, which is a next-generation door handle with improved design and aerodynamics, head-up display technology, backlight technology for liquid crystal panels, and high-resolution technology for omnidirectional millimeter-wave radars will be on display.

By combining MinebeaMitsumi technology and U-Shin technology, we will create various synergies and aim to achieve in-vehicle business sales of 500 billion yen as early as possible over the next 10 years.

[Major Items Exhibited]

e-Access

(New smart lock system for vehicle and house doors that automatically locks and unlocks doors using wireless communication via a smartphone, and an automatic opening and closing system for vehicle doors)



Flush handle



[Exhibition Overview]

Booth No: Tokyo Big Sight West Exhibition Hall, West Hall 3/4 Booth No. W4112

| | | |
|---|---|----------------|
| Press Day | October 23 (Wed.), 2019 | 8:00 - 18:00, |
| | October 24 (Thu.), 2019 | 8:00 - 11:30 |
| Official Day | October 24 (Thu.), 2019 | 11:30 - 18:00 |
| Preview Day | October 25 (Fri.), 2019 | 9:00 - 14:00 |
| Open to the public (Monday to Saturday) | October 25 (Fri.), 2019 | 14:00 - 20:00, |
| | October 26 (Sat.), October 28 (Mon.) to November 2 (Sat.), 2019 | 10:00 -20:00 |
| | (Sundays, holidays) | |
| | October 27 (Sun.), November 3 (Sun.), November 4 (holiday Monday), 2019 | 10:00 - 18:00 |

The 46th Tokyo Motor Show 2019 official website: <https://www.tokyo-motorshow.com/en/>

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