

BÖLLHOFF

SUCCESS
STORY

Your partner for 360° joining technology



Good cooperation is the basis for success. Our customers' and ours.

Intelligent joining solutions for modern automotive construction.



VinFast and Böllhoff – a Vietnamese-German road to success



VinFast – Vietnam's first car manufacturer

VinFast is the member of Vingroup – one of the biggest private conglomerate in Asia.

As a multi-sector corporation, Vingroup focuses on three main areas: Technology, Industrials and Property & Services. They continue to pioneer and lead consumer trends in each of its businesses introducing Vietnamese consumers to a new, modern lifestyle with internationally standardised products and services. Vingroup has created a respected, well-recognised Vietnamese brand and is proud to be one of the nation's leading private enterprises.

In June 2017, the market-leading conglomerate also founded its own automotive division: VinFast.

In a record time of 21 months, a 335 hectare "state-of-the-art" factory was established in Hai Phong, which can produce over 250,000 complete vehicles per year in the first phase. In addition, a separate supplier park and deep sea port were built in the immediate vicinity. VinFast branch offices are already located in the United States, Canada, Europe and Vietnam; a proving ground is based in Australia.

The newly developed vehicles combine a mix of style, luxury and the Asian way of life. VinFast represents Vietnam as the first domestic car brand and is set to conquer the international automotive world. The focus here is also on electromobility, which is anchored in the company's vision. VinFast is now successfully producing electric scooters, electric busses and a series of smart electric cars will be launched soon worldwide.



The production plant in Hai Phong



The Lux A 2.0 Sedan

The Lux models

As part of a public tender, the Italian company Pininfarina received the multi-million dollar contract to create the design for a Sedan and an SUV. At the same time, Vingroup acquired the rights to use the production technology of the German BMW Group.

Thus, two new models with 4-cylinder engines came into existence in Vietnam: the SUV Lux 2.0 and the Lux A 2.0 Sedan. The SUV is based on the BMW X5 produced until 2013 and the Sedan on the BMW 5 Series built from 2010 to 2017. They were already showcased to an international audience at the Paris Motor Show in 2018.

One year later, in cooperation with Magna Steyr, VinFast presented the Lux V8: a luxurious SUV with a 455 hp V8 engine.

Application examples

As an expert for fastening and joining technology, Böllhoff supports the Vietnamese motorist in the manufacturing of the Lux models. In the area of car body production, the RIVSET® self-pierce riveting technology is used amongst others. With RIVSET®, mixed materials and high-strength steels can be joined within minimal process times. Due to its modular design, the corresponding RIVSET® Automation EH processing system is ideally made for large-scale production and extremely flexible. A long service life with maximum availability and minimal maintenance are important success factors. VinFast is currently using 18 RIVSET® EH systems in its production line. Furthermore, other Böllhoff fastening solutions are implemented into the Lux models. RIVKLE® blind rivet nuts, SNAPLOC® plug-in connections and FLEXITOL® systems can be found in the door frame, in the front end or at the seat belt attachment.



The new luxurios SUV Lux V8



RIVSET® elements and self-pierce riveting system RIVSET® EH

RIVKLE® blind rivet nuts enable resilient threads on thin-walled components, the two-part SNAPLOC® plug-in system decouples vibrations and noises, whereas FLEXITOL® compensates stepless tolerances.

The delivery of these elements and systems as well as the service support are carried out by an exclusive local sales partner: IESC.

New established: joint venture Bollhoff Vietnam

The Industries Equipment and Solution Company (IESC) has been expanding continuously since its foundation in 2008. The two locations in the north (Hanoi) and in the south (Ho Chi Minh City) of the country guarantee a nationwide presence. With 40 employees, sales of around € 6.5 million were achieved in 2019. IESC became in 2011 Böllhoff's official trading partner in Vietnam. This collaboration has been so successful in recent years that in April 2021 a joint venture between the two companies was founded: Bollhoff Vietnam.

With our own Böllhoff team, consisting of IESC employees, an even more intensive customer care and support are ensured on site – a qualified fusion not only for the big player VinFast.

Would you like to know more? Talk to us.

Customer benefits

- Flexible in use
- Optional modules for configuration
- Minimal maintenance
- High quasi-static and dynamic strength

Product characteristics

- Joining of dissimilar materials
- No pre-drilling
- Particularly suited for hybrid joining
- 100 % electrical installation at the robot
- Ideal for joining of high-strength steels with aluminium


Böllhoff Group

Innovative partner for joining technology with assembly and logistics solutions.

Find your local partner at www.boellhoff.com or contact us at fat@boellhoff.com.

Passion for successful joining.

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