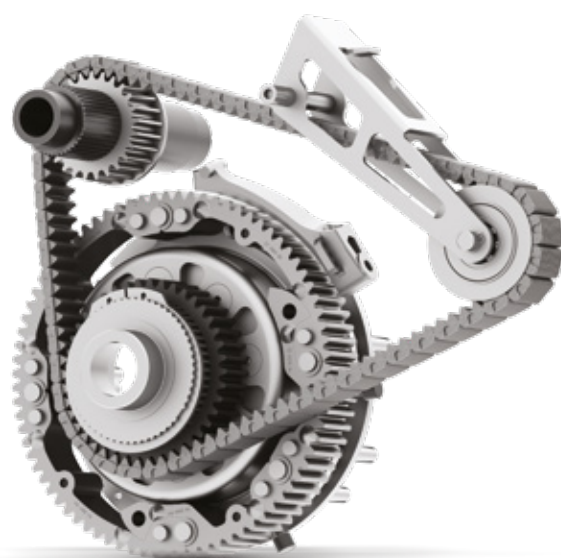
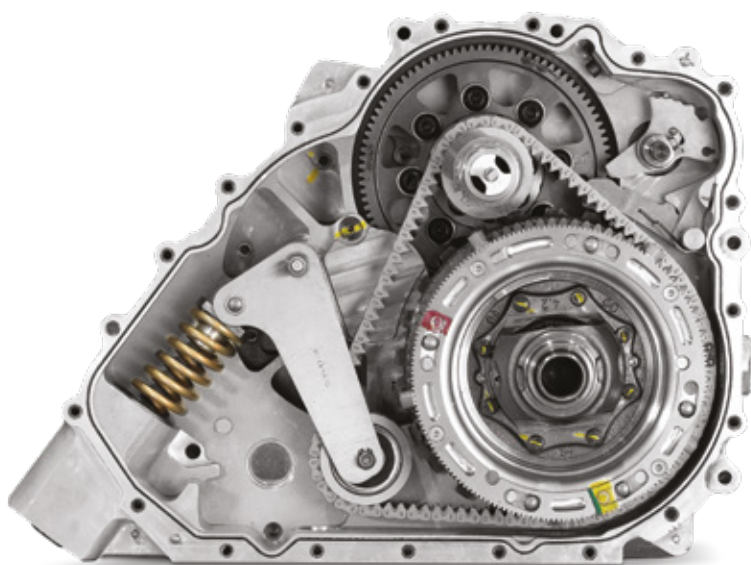


METALLIC BUSINESS



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VARROC INMOTIVE - 2 SPEED TRANSMISSION FOR EVs

Responsible for maximising speed without overstressing the motor, Varroc Inmotive is an exceptional performance-enhancing component in electric vehicles. Better acceleration, towing, gradeability and opportunity to downsize motor while reducing vehicle price and operating costs are some of its key advantages. It is a patented mechatronic device that was originally conceived for industrial applications, this component is now sought after by some of the world's largest automotive manufacturers (OEMs).



Up To 12% Range Improvement



High BEV Powertrain Cost Reduction



Staggeringly Low Energy Shifts



Speed & Performance Enhancer



Reduced Thermal Effect

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L-4, MIDC Industrial Area, Waluj, Aurangabad – 431 136, Maharashtra, India



Features

99% efficient chain-drive: Flexible for chain or belt depending on requirements

No energy loss or additional load on the cooling system

Continuous torque transfer during shift

Smooth, imperceptible shifts with vibration measured at 0.2 m/s

Extreme low shift actuator force required

Power during shifts measured at 180Nm

Performance

- Currently shifts of up to 50km/h
- Latest design shifts of up to 70km/h
- Actuators validated at over 100km/h

Potential applications:

- ✓ 2W & 3W
- ✓ PV (Passenger Vehicle)
- ✓ LCV (Light Commercial Vehicle)
- ✓ MCV (Medium Commercial Vehicle)
- ✓ HCV (Heavy Commercial Vehicle)



varroc.com

For more details, please connect with our Varroc representative at varroc.info@varroc.com