

SUCCEED IN TRANSFORMATION

Mubea



Full Carbon Wheel

Innovation:

Passenger car

Carbon fiber reinforced wheel: Star and rim made out of carbon in one piece



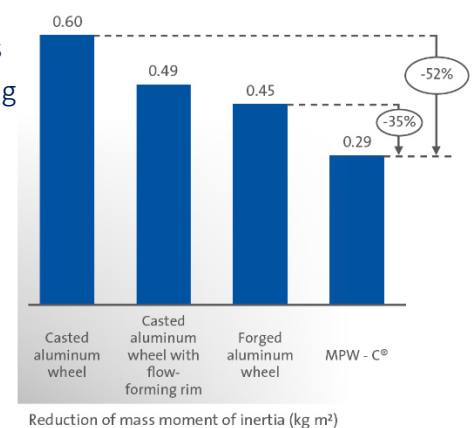
Motorcycle

Carbon fiber reinforced wheel: Full CFRP design with hollow spokes



Customer Benefit:

- › Up to 35 % reduced weight compared to the lightest alloy wheels
- › Up to 20 kg (passenger car)/2.5 kg (motorcycle) reduced unsprung mass per vehicle compared to a casted/forged aluminum wheel
- › Improved NVH behavior compared to metal wheels
- › Improved acceleration and braking through lower mass moment of inertia
- › Utmost safety through manufacturing procedure in one piece and patented connection of spokes to the rim
- › Fail-safe behavior at mechanical or thermal misuse
→ controlled air loss
- › Structural component with typical visual appearance of carbon fiber



Status:

- › In series production