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E-Pram



## E-PRAM 电助力婴儿推车

ELECTRIC POWER ASSISTED BABY CARRIAGE DESIGN

随着我国二胎政策的开放，我国迎来了新的一波“婴儿潮”。随着新生儿的增多，婴童用品的需求也开始增大，尤其是作为婴儿必需品的婴儿推车。

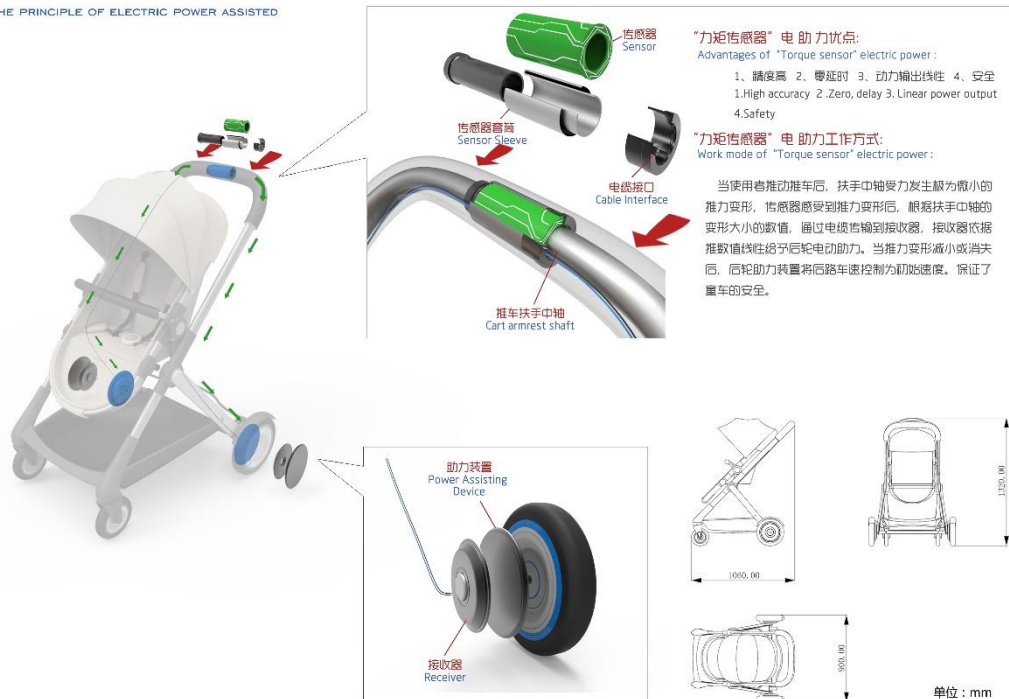
本产品采用了前沿的“力矩传感器”原理的电助力模块，双边力矩传感器被安置在推车的扶手上。当使用者向前推动推车时，推车把手中轴受力就会产生极为细微的推力形变。通过测量中轴表面的细微形变信号即可得出当前使用者的力的大小，从而通过传感器传输给后轮，获得电助力。它的精度极高，反映时间在毫秒级别，几乎没有延时；动力输出十分线性。因此也保证了使用的安全。优化了婴幼儿的体重增加、随行李过多、上坡等情况下的出行体验。

This product uses the advanced "torque sensor" principle of the electric power module, the bilateral torque sensor is placed on the armrest of the baby stroller. When the user moves the baby stroller, the cart handle in the axial force will have an extremely subtle deformation. By measuring the small deformation signal on the middle axle surface, the sensor will know the force of the user. And the sensors will give more force to the rear wheels. It's accuracy is very high, reflecting the time at millisecond level, almost no delay, the power output is very linear. Therefore, the use of security is guaranteed. It has optimize the user experience when the baby's weight increase, excessive baggage and uphill and other circumstances.





**“力矩传感器”电助力原理**  
THE PRINCIPLE OF ELECTRIC POWER ASSISTED



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