

Racing wheelchair

HONDA
The Power of Dreams

挑 IDOMI

翔 KAKERU
Honda Racing Wheelchair

[STANDARD]



HONDA
The Power of Dreams

Honda develops, manufactures, and sells racing wheelchairs that integrate technologies and expertise from across the Honda Group based on the concept of "delivering the smile of victory to the athlete."

For inquiries regarding product purchases and sales, please contact Honda Sun Co., Ltd. via its dedicated website.

<https://racer.honda-sun.co.jp/en/>



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Full-carbon racer for the international athlete

With an unmitigated passion for winning, we developed this dependable racing wheelchair by adopting carbon materials for the main frame, seat frame and wheels and then making various refinements in pursuit of the lightest, stiffest racer possible.



Hybrid racer for the emerging athlete

Based on the same design concept as KAKERU, but built so more athletes can experience the joy of racing. This hybrid racer combines a carbon main frame with an aluminum seat frame.



3D measurement technology

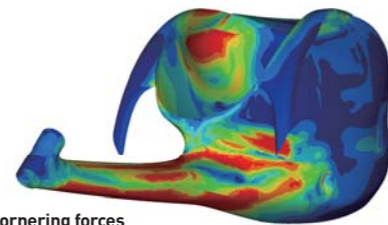
The seat frame is customized to fit each athlete's unique body.

*The athlete's measurements will be taken at a designated Honda location.



Advanced carbon design technology

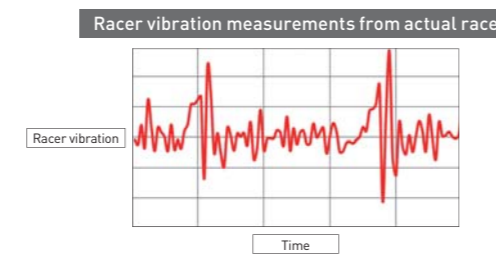
Ultralight carbon wheels and vibration-damping carbon frame employ an optimized layered design that draws on the unique properties of composite material.



Analysis of cornering forces on frame structure

Tested in actual races

Based on a host of real-world driving data, we improved the racer's acceleration performance and top speed while also pursuing enhancements in seating comfort and driving stability.



Racer vibration

Ultralight high-rigidity wheels and light handrims

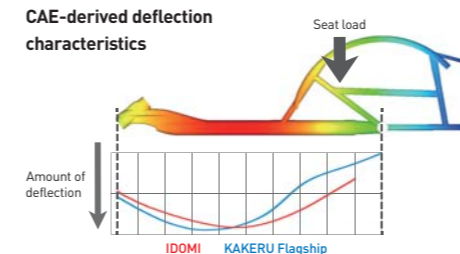
These ultralight yet highly rigid carbon wheels are newly structured so that no energy is wasted in transmitting the athlete's arm power to the pavement—enabling the fastest racing speeds possible. Light carbon handrims, engineered for precise roundness to reduce catch errors, are available as an option.

*Light carbon handrims are compatible only with Honda-manufactured wheels (ultralight high-rigidity wheels and standard wheels).
*Tires not included.



Same design concept as KAKERU

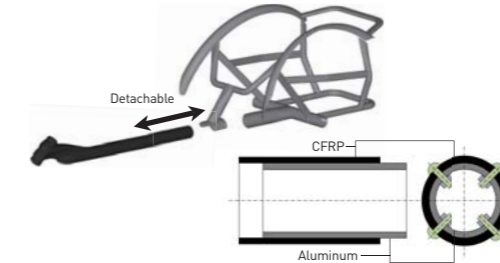
Deflection characteristics and vibration damping equivalent to KAKERU Flagship make for exceptional driving performance.



CAE-derived deflection characteristics

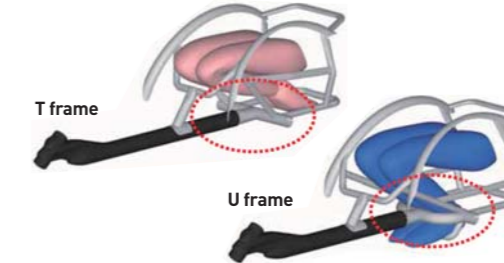
Detachable frame

The carbon main frame and seat frame are joined by bolts, allowing them to be changed according to the athlete's preferences.



Two seat frame types

Choose from two types of seat frames—the T frame and U frame—depending on how you like to sit.



Standard wheels

Like the hybrid racer itself, these hybrid wheels are made from carbon and aluminum so more athletes can experience the joy of racing.



Main Specs

Part	Frame	Rear wheel	Handrim
Name	KAKERU Standard	Ultralight High-rigidity Wheel	Light Carbon Handrim
Structure	Carbon monocoque frame, Carbon front fork	Carbon outer layer, ROHACELL® core	Carbon, aluminum for mounting parts
Size	Frame length (Standard size): 1,750-1,850mm Frame width (Standard size): 250-400mm <small>*Size customization available</small>	27 inch	360mm/370mm/380mm
Weight	8,000g (standard weight) <small>*When ultralight high-rigidity wheels are equipped</small>	850g <small>*When handrim and tire are not equipped</small>	150g (standard weight) <small>*When a collar and washer are not installed</small>
Color	Carbon surface	Carbon surface	Carbon surface
MSRP	¥2,300,000 (without tax) Set (Frame, Front wheel, Ultralight high-rigidity wheels, Light carbon handrims, and Tires) ¥2,800,000 (without tax)	1 set (2 wheels) ¥600,000 (without tax) <small>*Tires not included.</small>	1 set (2 handrims) ¥150,000 (without tax)

*Prices do not include maintenance, service, and other fees. *Specifications are subject to change at any time without notice.

Main Specs

Part	Frame	Rear wheel	Handrim
Name	IDOMI	Standard Wheel	Light Carbon Handrim
Structure	Carbon main frame, Aluminum seat frame, Aluminum front fork <small>*Carbon front fork available</small>	Carbon outer layer, carbon beam, aluminum	Carbon, aluminum for mounting parts
Size	Frame length: 1,750mm/1,800mm/1,850mm Frame width: 270-420mm	27 inch	360mm/370mm/380mm
Weight	9,000g (standard weight) <small>*When Standard Wheels are equipped</small>	1,150g <small>*When handrim and tire are not equipped</small>	150g (standard weight) <small>*When a collar and washer are not installed</small>
Color	Main frame is carbon surface. Aluminum parts are anodized.	Carbon surface	Carbon surface
MSRP	¥700,000 (without tax) Set (Frame, Front wheel, Standard Wheels, Light carbon handrims, and Tires) ¥1,000,000 (without tax)	1 set (2 wheels) ¥350,000 (without tax)	1 set (2 handrims) ¥150,000 (without tax)

*Prices do not include maintenance, service, and other fees. *Specifications are subject to change at any time without notice.