

 **VELOCE**



 **MOTION**  
COMPOSITES



## Something had to be done. We did it.

Motion Composites believes in empowering wheelchair users. Why? Because clunky and inefficient equipment is unfortunately too common. Which means you're less mobile and less efficient than you could be — and should be.

So we did something about it. We use the world's most advanced technologies to enhance people's mobility and improve their lives.

Take the ultra lightweight Veloce, for example. It offers unrivaled strength and durability through the use of cutting edge carbon fiber technology. With its superior fatigue resistance, extreme temperature tolerances and exceptional durability, carbon fiber is one of the strongest yet lightest materials on earth. That's why it's the ultimate wheelchair material.

The Veloce has revolutionized how people view folding wheelchairs. It has the sleek look and efficient performance of a rigid chair, yet folds to fit in any vehicle. With a transport weight of only 11 lbs. (5.1 kg), it's the lightest folding wheelchair in the world. Who knew folders could be so cool!







 **VELOCE**



## **The lightest folding wheelchair in the world.**

The Veloce is the most technologically advanced wheelchair for active users. It redefines what a wheelchair should be by offering unrivaled lightness, rigidity and responsiveness while retaining the all-important benefits of a compact folding system. With a total weight starting at 17.6 lbs. (8.0 kg) and a transport weight of only 11 lbs. (5.1 kg), it feels like a Formula 1 but fits in the trunk of a Mini.



Rigid Unibody Frame eliminates joints, reduces movement and maximizes efficiency

## The unique Mantis frame.

Our engineers have created an entirely new type of wheelchair construction, inspired by the rigidity of box frames and the look and lightness of cantilever frames. The result is a closed frame in the back to fit our Ultrarigid Folding System with a minimalist front end. You get a full menu of configuration possibilities, along with outstanding aesthetics.

## Get more mileage out of your energy.

Our engineers have optimized every detail of the Veloce to help you go farther and with greater efficiency.

The Symmetrical Molded Crossbrace, oval shaped tubes and oversized pivot axles work in concert, while our unique Ultrarigid Folding System maximizes frame rigidity and responsiveness.



## Adjustability without the weight.

The Veloce is completely adjustable for a perfect fit. You can easily adjust front and rear seat-to-floor heights, seat angle and center of gravity. Most of the lightweight options offered with our Helio line of wheelchairs are also compatible with the Veloce for true customization.

## Head-turning design.

With its spirited Mantis frame, signature triangular tubing and full carbon fiber finish featuring color highlights, the Veloce is truly a feast for the senses. It also comes standard with one-sided flairs for added flair.







New support collar offers reinforced back cane support.

New injected plastic crossbrace links are lighter and more durable

New fully molded carbon seat rail with integrated seat slider

Ultrarigid Folding System offers best-in-class propulsion efficiency

Stylized V-shaped stem offers more than just looks. It provides precise seat-to-floor and front caster angle adjustments

Innovative rear wheel axle plate offers micro adjustment while maximizing rigidity and responsiveness.



**Mantis Frame** - Fuses a box frame in the back for enhanced crossbrace rigidity with a cantilever frame in the front for a minimalist look.



**High-Modulus Carbon T700** - The lightest and most rigid material available, also renowned for its vibration dampening properties



**Rigid Unibody Frame** - A unibody frame is much stronger and needs less maintenance than a standard two-part frame. It also reduces weight while maximizing propulsion efficiency.



**Symmetrical Molded Crossbrace 3D** - Entirely symmetrical carbon fiber crossbrace for reduced torsion and better energy distribution throughout the frame.



**Ultrarigid Folding System** - High-precision tolerances and oversized pivot axles for best-in-class propulsion efficiency.



**Forged Vertical Axleplate +** - Offers the industry's most precise rear wheel adjustability. The vertical mounting maximizes rigidity and responsiveness.



**V-Shaped Stem** - Stylized stem offers more than great looks. It provides precise seat-to-floor and angle adjustments of the front wheel.



**Newton Accessories** - Parts and accessories designed to be lighter, with improved functionality and awesome style.

## Technical Specifications

### Structure

Frame	Folding Mantis Frame
Material	T700 High-Modulus Carbon Fiber
Weight	11 lbs. (5.1 kg) (w/o rear wheels)
Weight capacity	250 lbs. (113 kg)

### Dimensions

Width	14" (35.6 cm) to 20" (50.8 cm)
Depth	14" (35.6 cm) to 20" (50.8 cm)
Front seat-to-floor height	16" (40.6 cm) to 20" (50.8 cm)
Rear seat-to-floor height	13 ½" (34.3 cm) to 20" (50.8 cm)

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**Seat depth**  
14" to 20"  
35.6 to 50.8 cm



**Seat width**  
14" to 20"  
35.6 to 50.8 cm



**Front seat to floor**  
16" to 20"  
40.6 to 50.8 cm



**Rear seat to floor**  
13.5" to 20"  
34.3 to 50.8 cm



**Back height**  
9" to 21"  
22.9 to 53.3 cm



**Footrest angle**  
70°, 80°, 90°



**Back angle**  
70° to 110°



**Wheel camber**  
0°, 3°, 6°



**Center of gravity**  
3 ¼" range  
8.3 cm range



**Weight limit**  
250 lbs.  
113 kg



**Overall width**  
from +7 ½"  
from +19.1 cm



**Armrest height**  
8" to 14"  
20.3 to 35.6 cm

White

Red

Grey



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