

Meeting the needs of people living with

CP

CEREBRAL PALSY



QUANTUM
LIFE BEYOND LIMITS™

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CONDITION

Cerebral Palsy (CP) is a chronic condition affecting body movements and muscle coordination, usually originating before birth or during infancy and often resulting from trauma or a loss of oxygen to the brain. There are three types of cerebral palsy: spastic, ataxic, and athetoid or dyskinetic.

CP is characterized by an inability to fully control muscles and coordination.

MOBILITY AND ASSISTIVE TECHNOLOGY NEEDS

Depending on the severity of the condition, some clients may not require assistive technology and may only have an affected gait. Others may only require the use of a walker or braces to accomplish independent mobility.

A large percentage of those with CP rely on the use of manual wheelchairs or power mobility to live independently. Others may require communication devices if they have a speech impairment.

If a power mobility device is required, it is suggested the individual be evaluated early in the development process to promote increased independence and social interaction, along with providing the client with the opportunity to fully explore his/her environment.

The individual should be fitted with a power base that can meet various seating, positioning and electronics needs. An individual may require a

Some of the symptoms that can be associated with cerebral palsy are spasticity or muscle spasms, involuntary movements, disturbance in gait (walking) and mobility, sensory integration issues, impairment of sight, hearing, speech and seizures. CP can affect one side of the body (hemiplegia), both legs (diplegia) or all four extremities (tetra or quadriplegia).

power positioning system to help with pressure relief or independent weight shifting. Power seating options available include power tilt, power recline, and power tilt and recline. Additional options include a power elevating seat, power articulating leg rests and a power articulating foot platform.

A customized seating system is an important part of helping a client compensate for asymmetries, managing tone, providing proper stability, support and pressure management. There are also many custom accessories that can be adapted to meet the individual's needs.

Often, an individual changes over time due to growth, weight gain or loss, therapeutic and/or medical intervention and the results of aging with a disability. To adapt to these changes, the seating system needs to be modular so the needs of the individual can continue to be met.

LITESTREAM® XF



THE QUANTUM® SOLUTION

Some clients may only require a manual wheelchair. The Litestream® XF is available in seat sizes as small as 35.5 cm x 35.5 cm (14"x14") and folds to a width of 22.8 cm (9") for easy transport. The Litestream XF accepts a broad selection of accessories to meet a wide variety of needs and personal

preferences. The optional depth-adjustable package allows the seating system to grow with your client and the back canes to be angled when required. The Litestream XF also provides the ability to use a variety of seating components to meet the client's individual needs.

Some clients with cerebral palsy who have more advanced mobility needs may benefit from a power base that has the ability to accept full seating and positioning options. These include various specialty drive controls and our Accu-Trac® feature that provides the client with advanced tracking technology requiring fewer steering corrections for those using specialty drive controls.

The Q6 Series fits this criteria by possessing a proven track record of quality, reliability and customer satisfaction. All chairs in the series have the capability to accept expandable electronics.

Many Quantum® Power Chairs, including the Q610, Q6 Edge® and Q6000Z, have options for clients that are beginning power mobility use at an early age.

TRU-BALANCE®
POWER TILT AND
RECLINE



The TRU-Balance® Power Tilt provides clients with the option of ordering angle-adjustable towers and adjusting the angle of the back canes to keep optimum comfort and positioning. TRU-Comfort Seating provides excellent comfort and pressure management in addition to having an aesthetically pleasing look.

positioning and provide exceptional envelopment for assistance with pressure management.

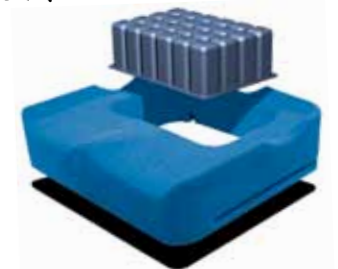
In addition, other positioning components can be utilised along with the seat cushion and back rest for greater postural support and tone management.

Synergy® Cushions and Backs allow for added stability and support for a client's

Q6 EDGE®



SYNERGY®
SPECTRUM® AIR



Q6000Z



Q-Logic Drive Controls allow for easy "plug and play" capability for alternative drive controls. The Q-Logic Expandable Joystick comes standard with a color display along with switch jacks. The Q-Logic Expandable Enhanced Display is equipped with many client benefits including the ability to learn infrared commands so your client can control devices like televisions;

X10 technology to further improve independence; and Bluetooth wireless mouse emulation. Bluetooth capability enhances learning in the school environment by providing wireless computer access for more independent participation.

Q-LOGIC



The content available in this document is for general informational purposes only and is not intended to be a substitute for professional medical advice, diagnosis or treatment. All decisions regarding medical treatment and equipment should be made by a fully qualified health care professional.

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