

# Types of Adapted Bikes

## Foot driven cycles

Foot driven cycles resemble a standard tricycle that is modified to meet special needs. The three wheeled styling offers a wider base of support to allow increased independence for those with balance issues. They are suitable for children and adults with a wide range of physical problems from mild balance problems to more severe disabilities.

Optional Accessories: A front hand brake for safety, trunk and hip supports, a fixed position wheel and foot saddle attachments to the pedals which helps the peddling action, an adductor support to help with scissoring of the legs, along with numerous other accessories to aid in proper positioning and safe riding.

## Hand driven cycles

Like the foot driven cycle, the hand driven cycle also provides a wider base of support for increased stability. The hand driven cycle would be ideal for those with poor balance, reduced leg strength, incomplete para- or tetraplegia, hemiparesis, generalized muscle weakness, amputation, or back pain. Multiple accessories are available including various seating options for increased stability and comfort.

Optional Accessories: A front hand brake for safety, trunk and hip supports, a fixed position wheel and foot saddle attachments to the pedals which helps the peddling action, an adductor support to help with scissoring of the legs, along with numerous other accessories to aid in proper positioning and safe riding.

## Tandem cycles

Tandems, or two person models, are available for those riders who would prefer to ride with another person rather than be totally on their own. Several different designs include side by side tandems, front and back tandems that are versatile so that the rider with a disability may ride in either position, and a wheelchair based tandem where a bicycle attaches to the rear of and pushes a wheelchair. In some models, the wheelchair is detachable for participation in activities while you are out. Certain tandem bicycles allow for there to be a passive rider who can sit back and enjoy the experience of riding without the physical exertion involved.

The **Recumbent Cycle** places the rider in a reclined position, while the **Prone** positioning cycles place the rider in a forward leaning posture with their legs behind them in relation to the midline. This is recommended for those with high extensor tone and/ or poor head and trunk control.

The **bicycle trailer** attaches to the back of a standard adult bicycle. Various seating devices and accessories are available based on the needs of the consumer.

Check your **local bike share program**. Several locations offer adaptive bikes and may give you an opportunity to try a bike.

To assist in your search for the product that fits your individualized needs, we have developed a categorization system. Following each company name there is a series of letters that correspond with a letter in the key below. Determine what criteria the product you are searching for needs to meet, and then eliminate those who do not, speeding up the process.

Example: If I was searching for an adult (A), recumbent bike (R), It would be likely that I would find one possible product on the Freedom Concepts Inc. website since the categorization letters include "A" and "R".

Category Key:

A – Adult                      C – Children                      T – Tandem                      U – Upright  
P – Prone                      R – Recumbent                      BT – Bicycle Trailer

Adaptive Specialties  
(C,A,U)



Manufactures foot powered tricycles for pediatric and adolescent consumers up to 180 pounds.

9435 Waterstone Boulevard, Cincinnati, OH 45249

Phone: 1-877-808-4540

[Website: www.adaptivespecialties.com](http://www.adaptivespecialties.com)

AmTryke/Ambucs  
(C,U)



Specializes in hand / foot driven therapeutic tricycles for individuals of all ages and offers patients improvement in several different areas such as motor skill development.

PO Box 5127 High Point, NC 27262

Phone: 1-800-838-1845

Fax: 1-336-852-6830

[Website: http://ambucs.org](http://ambucs.org)

[E-mail: ambucs@ambucs.org](mailto:ambucs@ambucs.org)

Angletech  
(A,C,R,T)



Manufactures custom fit hand and foot powered recumbent tricycles for all ages and abilities. These tricycles offer the rider comfort, fun, and safety.

1483 Garden of the Gods Road, Colorado Springs, CO, 80907.

Phone: 1-719-687-7475

[Website: http://cycledifferent.com/](http://cycledifferent.com/)

[Email: angeltech@me.com](mailto:angeltech@me.com)

Bike On  
(A,C,R)



Makes hand-cycles with a large variety of different designs meant to cater to the needs of the rider. These tricycles can be used by children as well as adults.

72 College Street, Warwick, RI 02886

Phone: 1-401-615-0339

[Website: https://bike-on.com](https://bike-on.com)

[E-mail: info@bike-on.com](mailto:info@bike-on.com)

Blue Sky Carts  
(A,C,BT)



Manufacturer of a "special needs trailer" to be attached to the rear of an adult bicycle. Weight Capacity – 200 lbs. Various accessories such as a canopy kit are available.

1614 Southside Road, Sutherlin, OR 97479

Phone: 1-541-459-2978

[Website: http://blueskycyclecarts.com](http://blueskycyclecarts.com)

[E-mail: sales@blueskycyclecarts.com](mailto:sales@blueskycyclecarts.com)

Flaghouse  
(C,A,U,P,R,T)



A catalog-based company carrying more than 25 different hand and foot powered tricycles and accessories for all ages and abilities. To request a "special populations" catalog, contact them at:

601 Flaghouse Drive, Hasbrouck Heights, NJ 07604-3116

Phone: 1-800-793-7900

Fax: 1-800-793-7922

[Website: www.flaghouse.com](http://www.flaghouse.com)

[E-mail: sales@flaghouse.com](mailto:sales@flaghouse.com)

Freedom Concepts,  
Inc.  
(C,A,P,R,U,T)



Manufactures custom fit, foot powered tricycles for all ages. Various accessories such as a chest harness and Velcro foot straps are available for purchase.

Canada: PO Box 45117, RPO Regent, Winnipeg, Manitoba, Canada-R2C 57C

US: 3651 Lindelle Road Suite D239, Las Vegas, NV 89103

Phone: 1-800-661-9915

Fax: 1-204-654-1149

[Website: www.freedomconcepts.com](http://www.freedomconcepts.com)

[Email: mobility@freedomconcepts.com](mailto:mobility@freedomconcepts.com)

The Freedom Ryder  
(A,R)



A hand powered bicycle you steer by leaning your body. It combines the fun of cycling and the benefits of an upper-body workout with the sensation of slalom skiing.

Bike International, Ltd.

20589 S.W. Elkhorn Ct., Tualatin, OR 97062

Phone or text: 1-503-692-1029

Fax: 1-970-221-4308

[Website: http://www.freedomryder.com/](http://www.freedomryder.com/)

[E-mail: mikelofgren@freedomryder.com](mailto:mikelofgren@freedomryder.com)

Green Speed  
(A,R)



Human powered transportation. Green Speed specializes in recumbent bikes.

4460 40<sup>th</sup> Street, E. Grand Rapids, MI 49512

Phone: 1800-945-9910

[Website http://greenspeed-trikes.com/](http://greenspeed-trikes.com/)

[E-mail: customerservice@greenspeed-trikes.com](mailto:customerservice@greenspeed-trikes.com)

## PEDAL POWER: A GUIDE FOR PARENTS

Invacare  
(C,A,U,R,)



Manufactures upright and recumbent hand cycles for adolescents and adults.

One Invacare Way, PO Box 4028, Elyria, OH 44035-4049

Phone: 1-800-333-6900

[Website: www.invacare.com](http://www.invacare.com)

Lightning  
Handcycles  
(A,R)

Lightweight handcycles.

312 N. 9<sup>th</sup> Street Suite B, Lompoc, CA, 93436-4967

Phone: 1-805-736-0700

[Website: www.lightningbikes.com](http://www.lightningbikes.com)

[Email: info@lightningbikes.com](mailto:info@lightningbikes.com)

Mobility & Access,  
Inc.  
(C,A,T)



Manufacturer of the "Duet", a wheelchair bicycle tandem which is a bicycle that has a wheelchair attached to the front that can be easily removed for wheelchair participation in other activities.

1003 International Drive, Oakdale, PA 15071-9223

Phone: 1-724-695-1590

Fax: 1-724-695-2922

[Website: www.mobilityaccess.com](http://www.mobilityaccess.com)

[E-mail: info@mobilityaccess.com](mailto:info@mobilityaccess.com)

Power Pumper  
(C,U)



The Power Pumper is made for children ages 5-11. Often used for rehabilitation because it encourages normal movement of upper and lower extremities, it has been found to be helpful for children with Autism, low muscle tone, Spina Bifida, Cerebral Palsy, and developmental disorders as well as many others.

Columbia-Inland Corporation

PO Box 231177, Portland OR 97281

Phone: 503-657-6676

[Website: www.powerpumper.com](http://www.powerpumper.com)

[E-mail: info@powerpumper.com](mailto:info@powerpumper.com)

Quickie Designs,  
Inc.  
(C,A)

Manufactures hand-cycles that are designed for high performance for all ages.

505 West Thomas Road, Phoenix, AZ 85013

Phone: 1-800-236-4215

[Website: www.quickie-wheelchairs.com](http://www.quickie-wheelchairs.com)

Rifton Tricycles  
(C,A,U)



Manufactures a foot-powered tricycle in three different sizes for children and adults up to 200 pounds. Additional accessories available for customization.

P.O. Box 260, Rifton, NY 12471-0260

Phone: 1-800-571-8198

[Website: www.rifton.com](http://www.rifton.com)

[E-mail: sales@rifton.com](mailto:sales@rifton.com)

Spokes 'n Motion  
(A,R)



Spokes 'n Motion is a specialist in adaptive sports equipment and the promotion of sports equipment for persons with disabilities. They sell both Prashberger and Freedom Ryder handbikes.

2535 South Wadsworth Blvd, Lakewood, CO 80227

Phone: 1-303-922-0605

Fax: 1-303-265-9685

[Website: http://www.spokesnmotion.com](http://www.spokesnmotion.com)

[E-mail: info@spokesnmotion.com](mailto:info@spokesnmotion.com)

Sunrise Medical  
(A,C,R)



Produces a variety of hand cycles for adults and children with all ranges of abilities. They also offer a product to transform your wheelchair into a bike.

2842 N. Business Park Ave, Fresno CA 93727

Phone: 1-800-333-4000

[Website: www.sunrisemedical.com](http://www.sunrisemedical.com)

Trailmate  
(C,A,U,R,T)



Manufactures various tricycles for adolescents and adults with unique features such as a step through design and swing away handlebars.

2359 Trailmate Drive, Sarasota, FL 34243

Phone: 1-800-777-1034

Fax: 1-800-477-5141

[Website: www.trailmate.com](http://www.trailmate.com)

[E-mail: Info@trailmate.com](mailto:Info@trailmate.com)

Triad  
(C,A,U,R)



Manufactures hand and foot powered tricycles for children up to 130 pounds.

PO Box 1364, Cumberland, Maryland 21501-1364

Phone: 1-800-306-6777 Fax: 1-310-759-3525

[Website: www.triaid.com](http://www.triaid.com)

[Email: sales@triaid.com](mailto:sales@triaid.com)

Varna Innovation &  
Research  
(A,R)



Designs and manufactures cycles and handcycles.

Phone: 250-247-8379

[Website: https://varnacycles.com](https://varnacycles.com)

[Email: Varnacycles@gmail.com](mailto:Varnacycles@gmail.com)

Workman Cycles  
(A,U,R)



Offers a full variety of Adult Tricycles, Folding Bikes, Tandems, Cruisers, Middleweight Bicycles and even Dual Rider Tricycles. Even if you cannot balance a 2-wheel bike, there is a Workman Pleasure cycle right for you.

PO Box 170732, Ozone Park, New York 11417

Phone: 1-888-3wheeler or 718-322-2000

[Website: www.worksman.com](http://www.worksman.com)

[Email: cycles@worksman.com](mailto:cycles@worksman.com)

This listing may not be all-inclusive and is provided for informational purposes only. It is not intended as product endorsement.

Revised 07/2023