Independent living through products from Assistive Innovations

» Arm supports
» Feeding supports
» Robotic arms

Assistive Innovation’s mission is to help people achieve true independence. We dedicate our time to people with limited arm, hand or finger function. We challenge our clients to discover and apply what our devices could make possible for them. All our products increase independence, freedom, self-respect and quality of life.

www.assistive-innovations.com
Devices which increase independence

Our devices offer support to a wide range of customers. They are suitable for people with a limited arm, hand or finger function, myopathy patients, paraplegics, spasticity, neurological conditions or elderliness. Our devices offer this group new stimulating options which can lead to longer-lasting independence. Our line of products offers among other things, arm supports, feeding supports and robotic arms, all supporting independence.

iFLOAT, mechanical arm support
What goes up must come down, however many daily activities attempt to defy gravity. For example when we eat, drink, work or do hobbies. In instances of muscle power loss, these daily activities can be seriously fatiguing. Our mechanical arm support is designed for people with diminished muscle function due to elderliness, myopathy or a neurological condition. The mechanical arm support compensates the weight of the arm in such a way that with less effort the arm can move, giving a long horizontal and vertical reach. It is the vertical movement compensation of the iFLOAT-mechanical that makes daily chores such as eating, drinking and personal care like combing hair and cleaning teeth so much simpler to perform. The iFLOAT-mechanical can be fitted to a table (via a clamp) or (wheel)chair (via a bracket).

iFLOAT, electrical arm support
The iFLOAT-electric easily supports all arm movement and in any desired direction. The desired level of support (more or less arm support compensation) is programmed with one push of one light-pressure button. Arm movement then takes less energy which in turn leaves more energy for more important tasks. Our electric arm support is specially designed for people with diminished muscle function or for those who can only use muscles for short periods due to for example, spinal cord lesions, RSI, strokes or one of the many muscle diseases. The iFLOAT-electric can be...
Toon Jansen, 73 years old, Multiple sclerosis, iEAT user since 2015:
“I am so delighted that I can now feed myself.”

Marleen den Besten, 24 years old, Merosin negative congenital muscular dystrophy, iARM user since 2009:
“The iARM is easy to use, I knew how to operate it in no time. I like the fact that I can do things myself and that I don’t always have to ask someone’s help.”

Liza Becker, 56 years old, Amyotrophic lateral sclerosis, iFLOAT user since 2015:
“With less effort I can move my arm vertically. That makes my daily personal care like cleaning my teeth and combing my hair so much simpler.”

fitted to a table or to a wheelchair and is designed to be as unobtrusive as possible. Its colour and design make it almost invisible at the body’s side, it is easily detachable and does not make the wheelchair wider.

iEAT, mechanical feeding support
The iEAT is one of the feeding devices in our assortment. The iEAT is available in various models, it supports the user at meals by coordinating the necessary movements. For people who suffer from spasms or tremors it works by nullifying uncontrolled movements using a damping mechanism. The device’s so-called feeding arm offers resistance which makes it possible for the user to perform controlled movements during eating. For people with reduced muscle power and-or coordination problems, the iEAT works by offering almost no resistance which makes it possible for the user to perform controlled eating movements using little power. The iEAT offers full control to the user making them an equal, independent partner at the dinner table. The iEAT is modern, has a compact design and can be fitted easily to almost any table. In other words this means eating with ease and independently at family, friends or in a restaurant. This eating device comes standard with special plate and spoon.
Mealtime Partner, electrical feeding device
The Mealtime Partner is an electric feeding device for people with impaired use of the arms or hands. The Mealtime Partner increases the independence of the user and at the same time lessens the work-load of the carer. Meals can be divided into the three bowls included in the Mealtime Partner. The bowls rotate to the desire position under the spoon. A spoonful is taken, levelled and delivered to the user’s mouth. The user must make a slight bend forwards in order to consume the contents of the spoon. This entails a small movement of the neck or upper body of circa 0.60 inch. The Mealtime Partner is operated by the user through simple buttons or through a single function switch. The Mealtime Partner can also be pre-programmed, leaving the user with nothing more to do than react to the spoon when brought to the mouth.

iARM, robotic arm
Work, school, housekeeping, hobbies, socializing, life consists of many daily activities which rely mostly on the use of hands and arms. Robotic arms were designed for people with little or no muscle function in the arms or hands in order to give them back the ability to perform these tasks independently. The iARM has an extensive array of functions for users of all levels giving them back the ability to perform their chosen activities to the best of their ability. Our robotic arm can be used for example by sufferers of ALS (Amyotrophic lateral sclerosis), Spinal muscular atrophy SMA), Duchenne muscular dystrophy (DMD) and for paraplegia and spasticity. As a result of intuitive operation the robotic arm is very user-friendly and stimulates independence and self-confidence. The iARM is mostly fitted to powered wheelchairs. Its slim design hardly widens the dimensions of the wheelchair. The iARM is also easy to detach.

Get to know our products
If you are curious about our products, contact us for further, non-committal information. We look forward to discussing your options with you.
Product overview

FLOAT, mechanical arm support
• Makes the arm lighter
• Freedom of horizontal and vertical movement
• Continuously variable adjustment
• Attaches simply to most tables via a clamp
• Ergonomic arm and elbow support

FLOAT, electrical arm support
• Electrically adjustable support
• Makes the arm lighter
• Attaches simply to most (electric) wheelchairs / triple chairs
• Ergonomic arm and elbow support
• Compact design
• Intuitive operation

EAT, mechanical feeding support
• Supports and coordinates movement during eating
• Easy adjustment
• Available in various models
• Attaches simply to most tables via a clamp
• Modern, compact design
• So-called feeding arm is easy to detach

Mealtine Partner, electrical feeding support
• (Semi)-automatic feeding support
• Attachable to table or table swivel arm
• Built-in battery
• Transparent feeding bowls suitable for microwave and dishwasher
• Portion size adjustable
• Intuitive operation

ARM, robotic arm
• Maximum lifting weight, 3.3 lb
• Multiple operation functions and fitting options
• Special drink and feed menu
• Average human arm length
• Strong structure, slim design

Further details
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