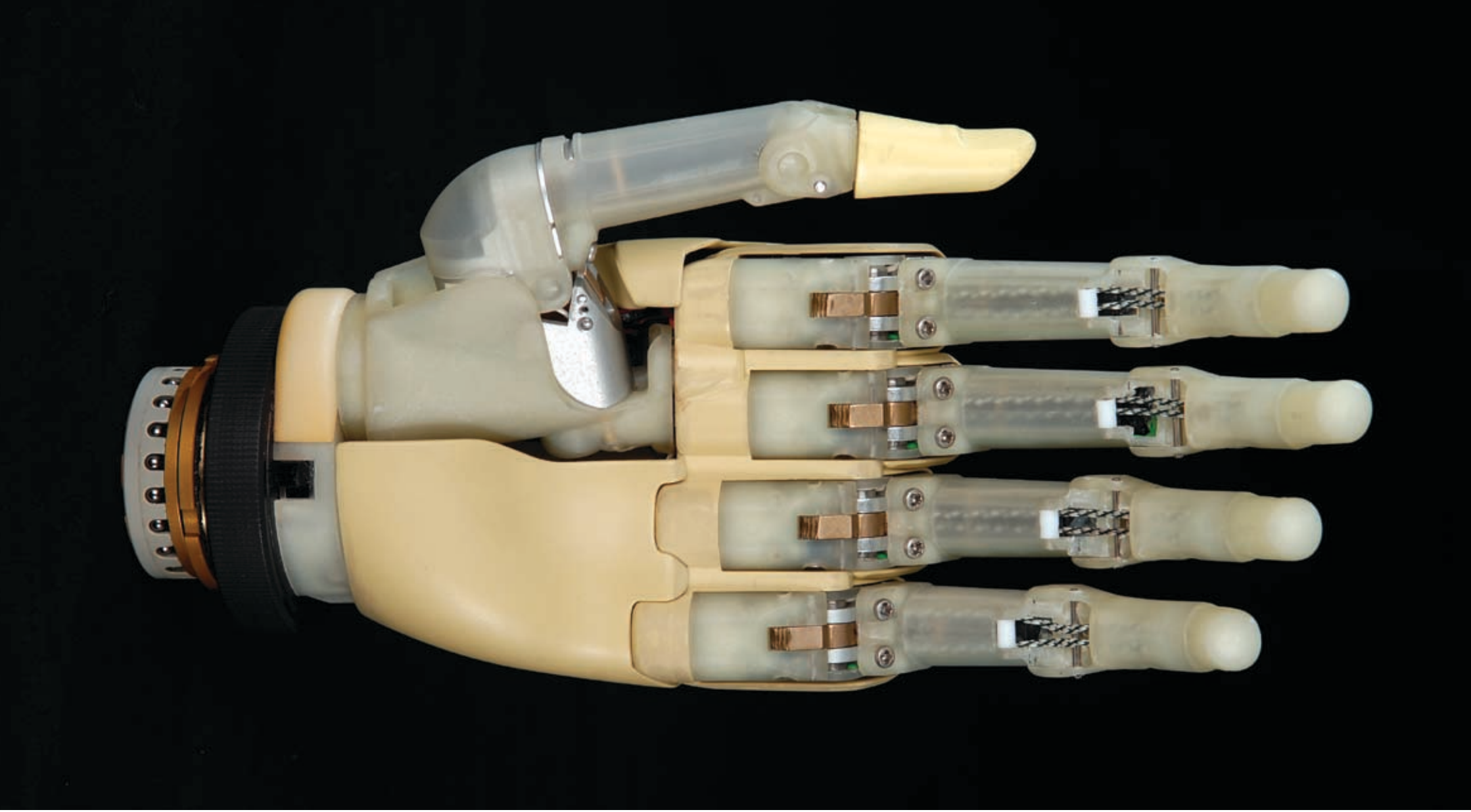
i-LIMB HAND™

Get a Grip on Functionality

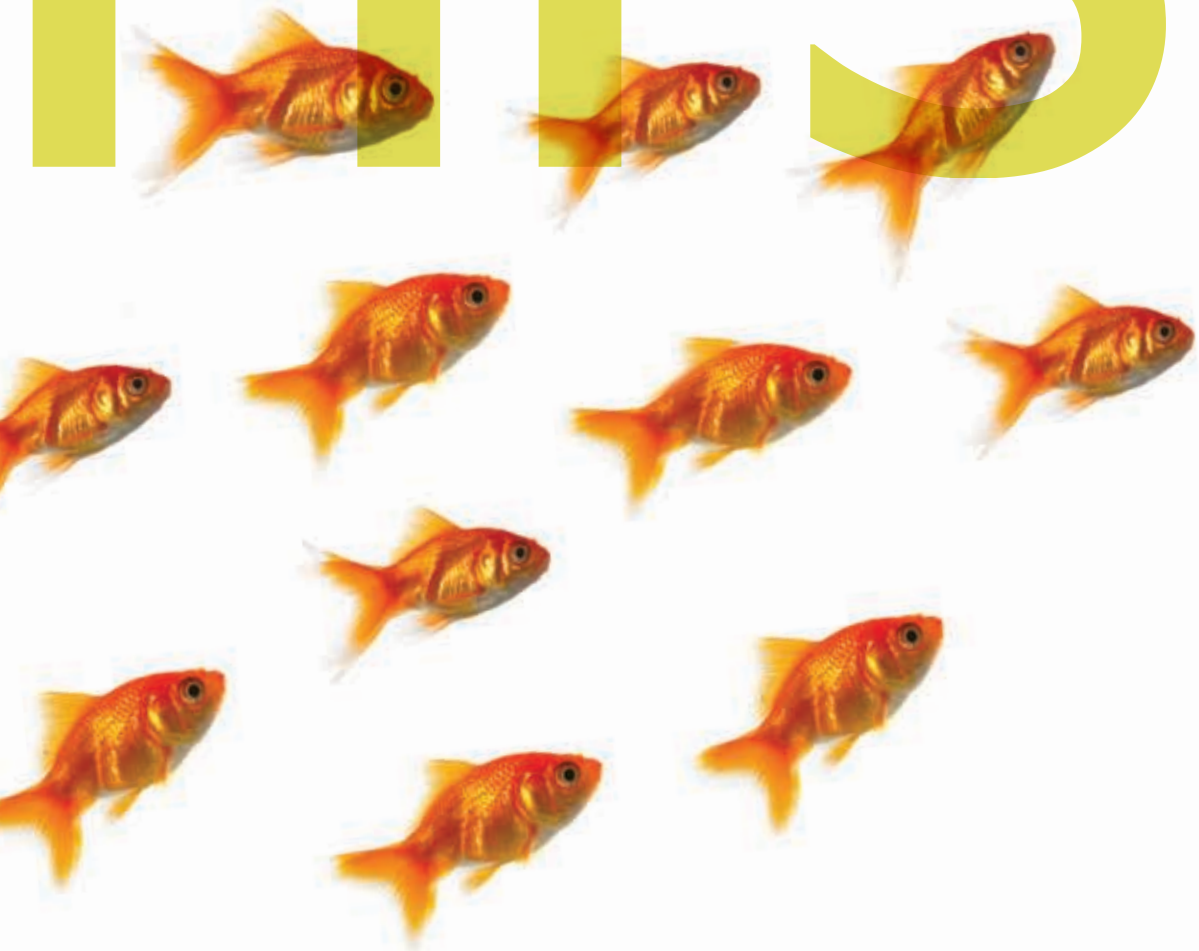
Tomorrow's technology today.



i-LIMB HAND™

Get a Grip on Functionality

first

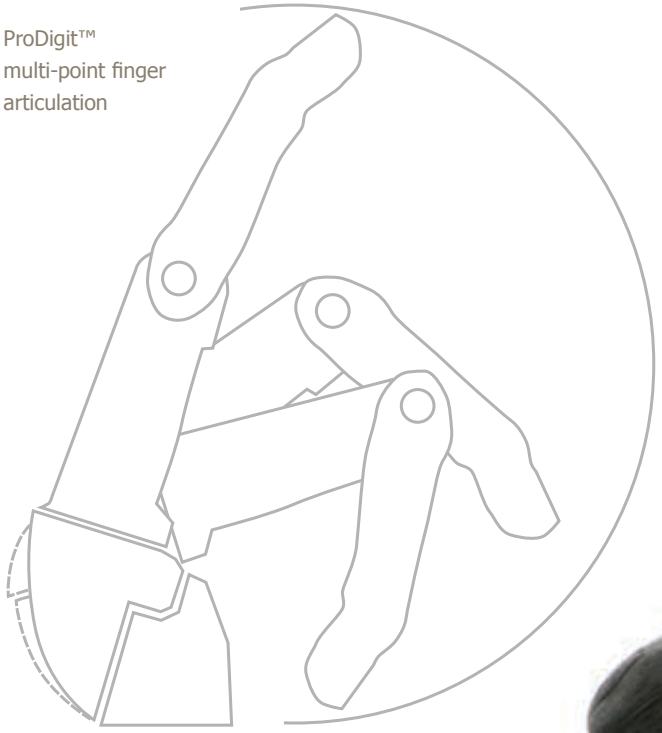


i-LIMB Hand

Introducing the prosthetic hand that's a great leap forward. The i-LIMB Hand™ is the world's **first** fully articulating bionic hand, delivering compliant grip, wraparound fingers, thumb rotation and full hand palmar grip.

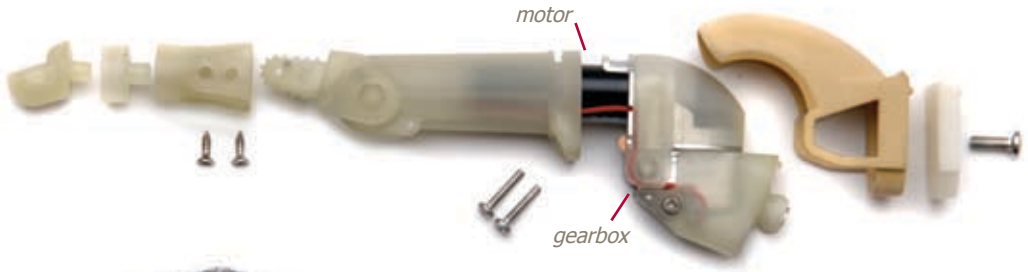
It brings a new dimension to upper limb prosthetics, with levels of flexibility, durability, aesthetic presentation and overall functionality that have never been seen before.

For the **first** time, a prosthetic hand delivers grip configurations that behave in almost every respect like its natural counterpart, transforming both the capabilities and the confidence of users.



ProDigit™
multi-point finger
articulation

ProDigit componentry showing motor and gearbox mechanical configuration



articulation

With four, independent, fully powered fingers and an articulating rotatable powered thumb, the i-LIMB Hand takes the generational lead in terminal devices. No other commercial hand can match it for range of motion.

The articulating finger underpins much of Touch Bionics' **technical advantage** and it is this articulation that provides the biggest benefit to the patient or user.

With the ability to bend, touch, pick-up and point – the i-LIMB Hand matches the action of a natural hand more than any powered device that has gone before it.

Touch Bionics is utilizing the myoelectric principles used in existing devices while leveraging the mechanical advance of five fully-articulating powered digits.

The advent of the i-LIMB Hand means that **new grips are available** to patients that have never been possible before.

i-LIMB Hand

Key Grip

Where the thumb closes down onto the side of the index finger. This grip is used to hold items such as a plate or a business card. The addition of wrist rotation enables the user to turn a key in a lock in a totally 'human' way.

Power Grip

Where all fingers and the thumb close down together to create a full-wrap grip. This grip would be used to hold a can of drink while opening the ring-pull, for example, and for carrying large objects such as a briefcase or shopping bag.

Precision Grip

Where the index finger and thumb meet (or index finger, middle finger and thumb meet) in order to pick-up small objects and to hold objects when performing finer control tasks.

Index Point

Where the thumb and fingers close but the index finger remains extended – patients have found this grip very useful for operating computer keyboards, telephone dial pads, ATM cash machines and a host of other everyday requirements.

Thumb Park

Where the thumb closes down against the side of the hand to allow a jacket to be put on. This control utilizes a simple control signal generated through the existing myoelectric system.

The combination of mechanical function, myoelectric control and cosmesis provide a **new definition of grip**. No longer is in-human tip strength required to provide function.

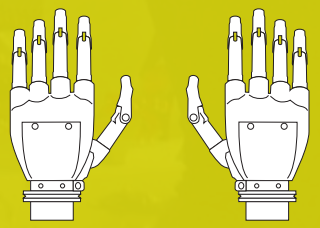
Holding, presenting, picking, twisting, turning, pointing, grasping, and picking-up; these simple natural actions are now within the reach of everyone to get a grip on functionality.

grip

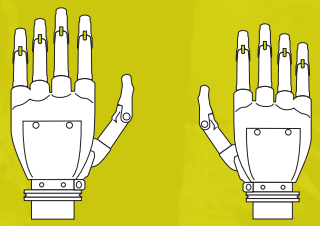
i-LIMB Hand

The i-LIMB Hand gives patients and users a growing **choice of product variations**; for left or right hand; regular or small sizes; semi-opaque or black colouring; for wrist connector or wrist disarticulation.

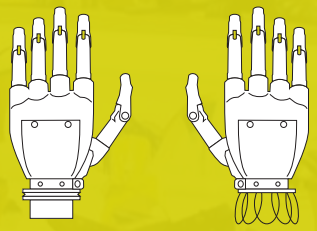
choice



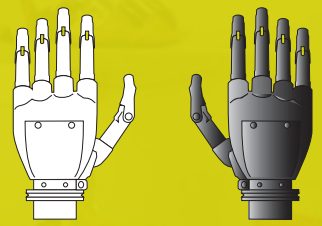
Left and Right



Regular and Small



Wrist Connector or Wrist Disarticulation



Semi-opaque or Black Colour

As a result of the individual finger articulation and the rotation of the thumb, Touch Bionics has innovated completely new covering solutions to provide the **strong combination of function and aesthetic** choice to patients and users.

In meeting that challenge, Touch Bionics' development team has created a choice of three innovative cosmesis coverings, all of which set new industry benchmarks and meet specific usage objectives.

coverings

Some patients love the 'high tech' appearance of the uncovered i-LIMB Hand, and for these people Touch Bionics developed the i-LIMB Skin. It's a thin layer of high-flex material, computer modelled to fit every contour of the hand with a unique internal slip-coating to aid movement.

i-LIMB Skin allows free movement of the fingers and rotating thumb, while protecting the hand from moisture and dust – **providing a highly effective grip surface**. Better still, it is available in a choice of two confident, individual colour options - black and clear.

i-LIMB Skin

lifelike

Coverings

Developed from a unique, custom blended silicone, our **off-the-shelf lifelike covering** moves flexibly with the i-LIMB Hand's four articulating fingers and rotating thumb to give the combined benefits of advanced function and aesthetic accuracy.

These coverings come in a choice of 10 skin shades, with subtle highlights on the knuckles and palmar surface, and colour defined fingernail tips, giving an enhanced, natural appearance.

custom painted

The Cosmesis Partner logo represents companies that have worked through research and development to produce custom painted and tailored gloves for patients that wish to combine a great aesthetic with great function.

These highly skilled and Touch Bionics-endorsed organisations exist in major centres around the world and include;

POHLIG (Germany)
Dorset Orthopaedic (UK)
ArtTECH (USA)

Touch Bionics also provides fully customized coverings through its LIVINGSKIN product which can include nails, veins and freckles that match the sound hand perfectly

Touch Bionics
Cosmesis Partner
TM

Professional Relations

With wide interest and patient/user demand for the i-LIMB Hand, growing numbers of clinical professionals have been trained to meet the demand for fitting, support and aftercare.

Accredited i-LIMB Hand Practitioner status reflects an investment in learning the finer points of the i-LIMB Hand. Whilst not mandatory for a trained prosthetist, Touch Bionics' hugely successful and popular training sessions cover every aspect of the detail required to support patients and users – from patient selection, reimbursement, and fitting, to servicing, support and aftercare.

The contact details of all Accredited i-LIMB Hand Practitioners can be found at www.touchbionics.com

Touch Bionics
Accredited i-LIMB Hand Practitioner
TM

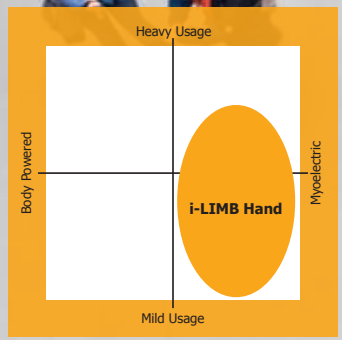
professionals

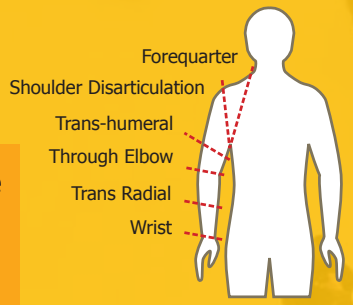
* No product appears in this photo

i-LIMB Hand functionality is available to a **wide range of candidate users**, from wrist disarticulation to shoulder forequarter.

Users are able to perform a significant number of activities of daily living (ADLs) – particularly the new levels of function benefit from individual finger articulation and precision. While heavy use activities are more appropriate to ruggedized devices such as ETDs, the i-LIMB Hand is very comfortable lifting weights up to 44 lbs overall weight limit.

Both new and existing myoelectric users are strong candidates for the i-LIMB Hand. Touch Bionics' mission is to increase the proportion of upper limb amputees that decide to opt for a myoelectric device.





All of these are candidates for fitting of the i-LIMB Hand.

candidate users

Across the world there are many people now enjoying the benefits of Touch Bionics' i-LIMB Hand:

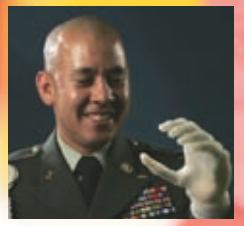
"I'm pretty sure that someone who doesn't know me wouldn't even guess that it wasn't my own hand."
i-LIMB Hand user Lindsay Block

"Every day that I have the hand, it surprises me … an amazing hand and I'm glad I got picked to use it."
i-LIMB Hand user Juan Arredondo (Sargeant U.S. Army retired)

"With the i-LIMB hand, there is a lot of potential for a lot of grips that enable the user to do everything he needs to do."
i-LIMB Hand user John German








happy users

* No product appears in this photo

Warranty

peace of mind

The i-LIMB Hand comes with a full set of supporting instructions, product documentation and maintenance accessories, fully ready for use. Most importantly, the i-LIMB Hand comes with the peace of mind of a one year standard warranty covering any product issues from the moment that it is fitted.

Touch Bionics so confident in the quality of the i-LIMB Hand that it is are also prepared to offer both;

2 Year EXTENDED WARRANTY and;

3 Year EXTENDED WARRANTY

An extended warranty covers all parts, labour, annual service by a Touch Bionics technician and an annual device upgrade if required (same generation of hand).

Full service checks are performed in months 12 and 24 for extended warranty contracts.

every day

The high levels of technology in the i-LIMB Hand extend to the batteries and charging system that is provided. It means that users can rely on getting a **full day's usage from a single charge**, at regular levels of usage.

However, technology is not what users are thinking about when they are performing activities of daily living (ADLs). They may, for example, be buttoning a shirt, carrying shopping bags, brushing teeth, picking up a coin, filing documents, hugging their children.

Touch Bionics' goal; to transform the everyday lives of extraordinary people.

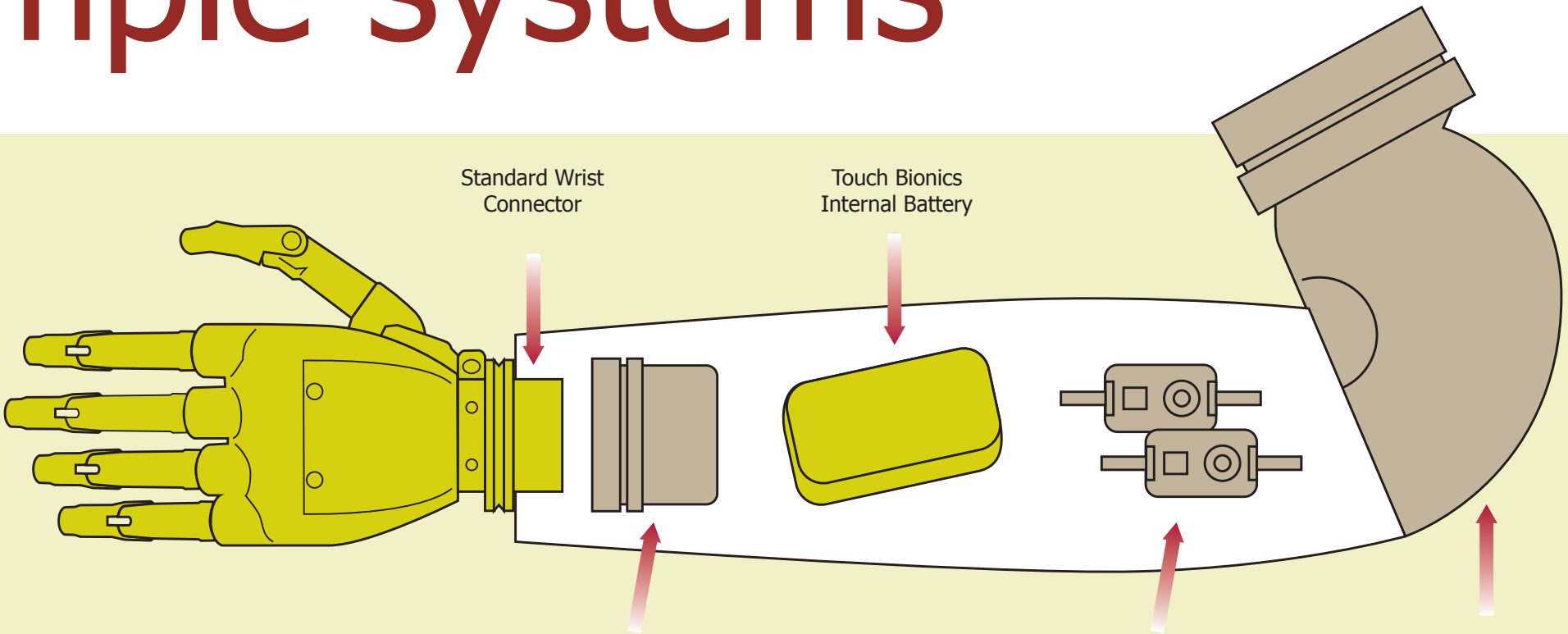
Daily Usage

easy

Touch Bionics understands that existing myoelectric users have needs and preferences in the terminal devices they use everyday – they may require differing levels of performance from different devices at different times. They may, for example, be very used to the powered wrist rotation of their previous device.

Touch Bionics has made the i-LIMB Hand easy to decouple and attach through compatibility with industry-standard wrist units (including powered rotator and flexion options) so that users can integrate the i-LIMB Hand with their socket preferences.

simple systems



There's no point in great technological advances, if they fall down on the practicalities. So the i-LIMB Hand operates with industry standard socket components, from other manufacturers, making life straight forward for the clinical professional. The list includes electrodes, cables, connectors and wrist units.

Above elbow users are catered for by the i-LIMB Hand's compatibility with elbow units from Motion Control (Utah U3 and U3+) and from LTI (Boston Digital Arm). In both cases the arm/elbow unit detects the i-LIMB Hand and makes the correct connections via the conventional wiring and battery.

Touch Bionics

Distributor Partner

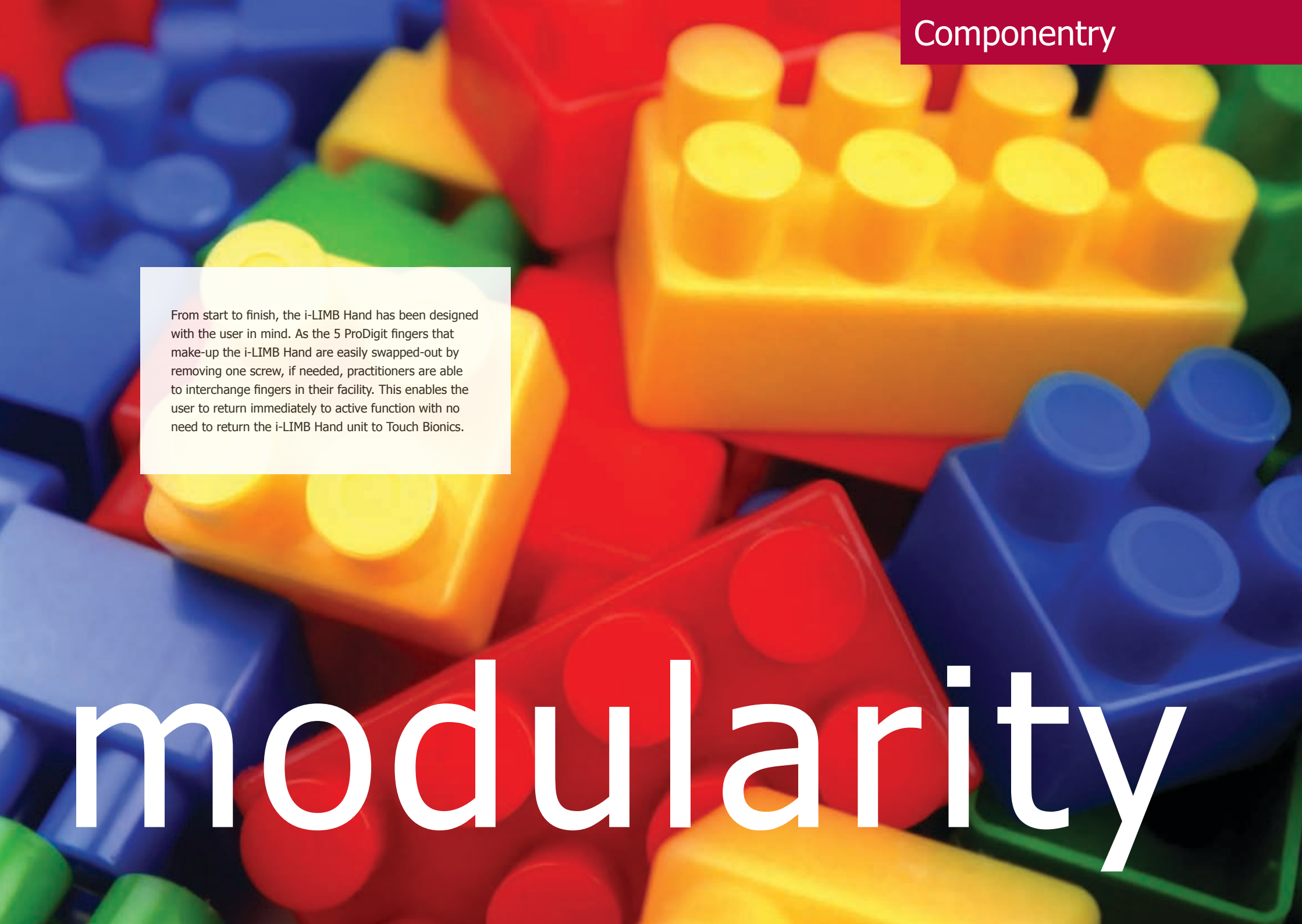
TM

global

No wonder Touch Bionics is the fastest growing upper limb product company in the world.

Touch Bionics' distribution partners around the globe have established a reputation for reliable product and clinical support.

If you wish to become a Distributor Partner of Touch Bionics or would like to find how you can purchase products in your country please visit:
www.touchbionics.com



From start to finish, the i-LIMB Hand has been designed with the user in mind. As the 5 ProDigit fingers that make-up the i-LIMB Hand are easily swapped-out by removing one screw, if needed, practitioners are able to interchange fingers in their facility. This enables the user to return immediately to active function with no need to return the i-LIMB Hand unit to Touch Bionics.

modularity

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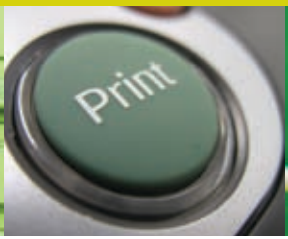
Tel: +1-845-346-4225

UK & Non-North American Customers
Tel: +44 1506 438 556

Email: info@touchbionics.com

For address details and further information please visit our website:

Website: www.touchbionics.com



TOUCH BIONICS™

Transforming the Everyday Lives
of Extraordinary People