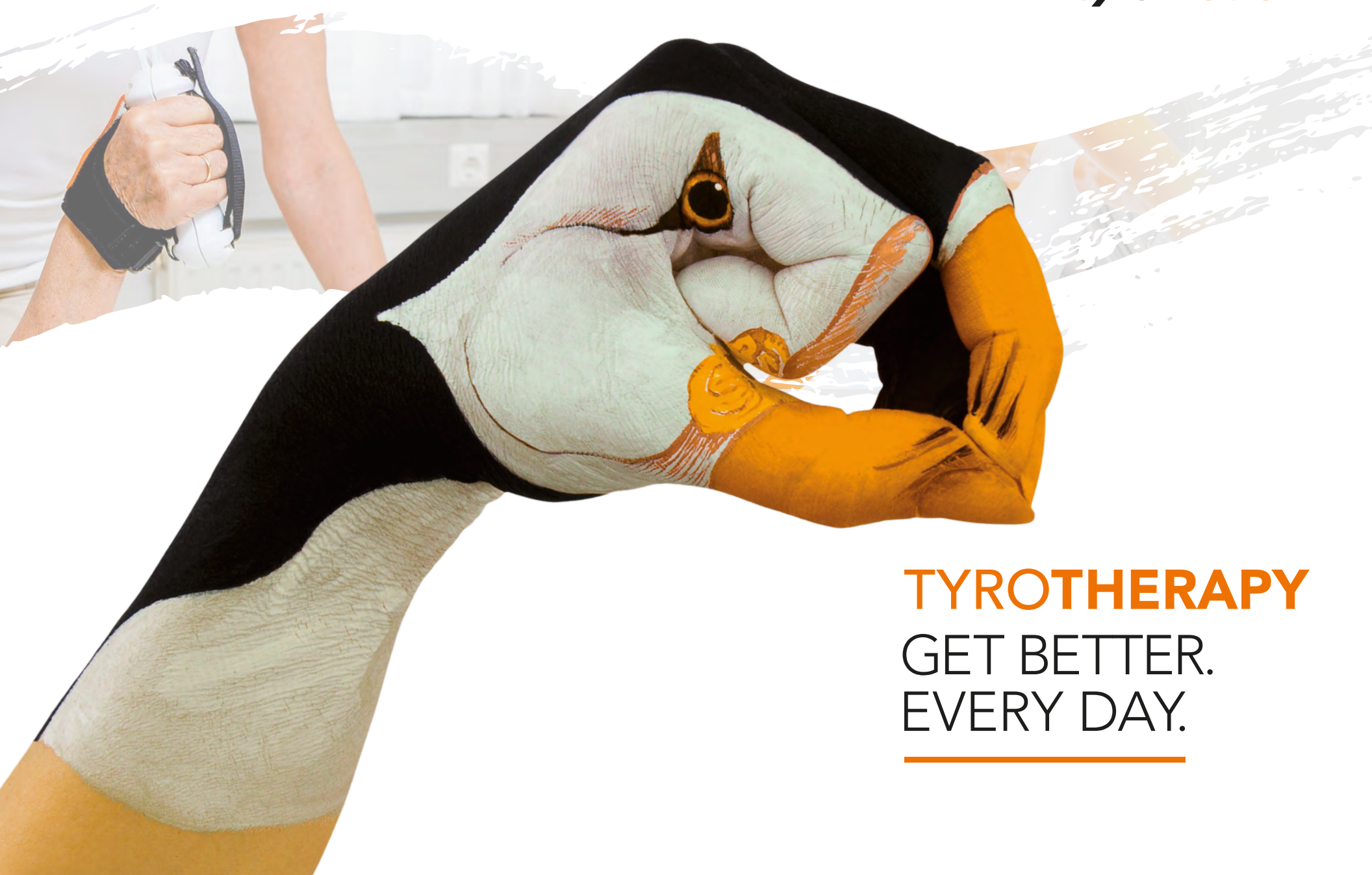


tyromotion



TYROTHERAPY
GET BETTER.
EVERY DAY.

TYROTHERAPY

GET BETTER. EVERY DAY.

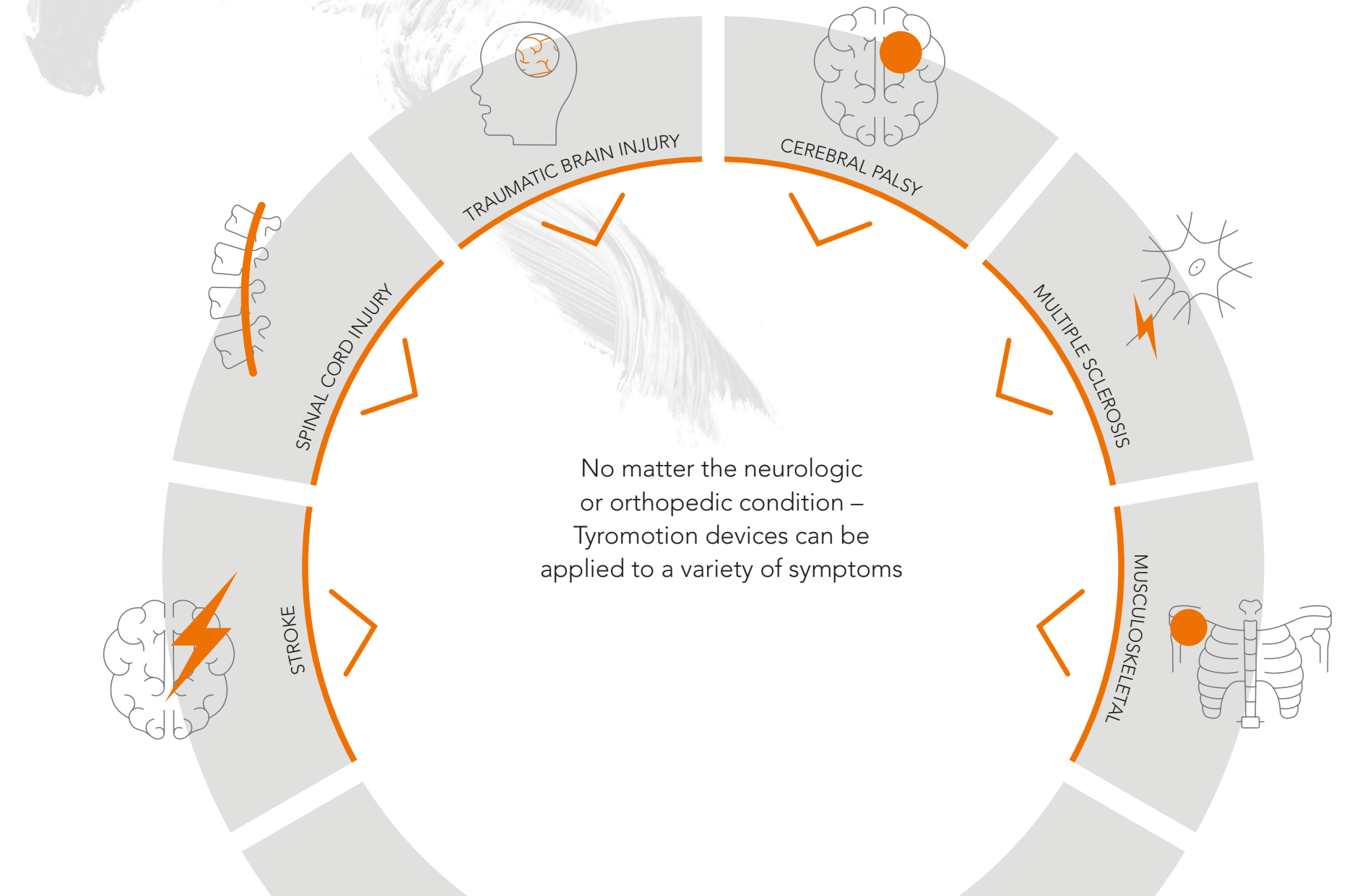
Putting patients at the heart of rehabilitation

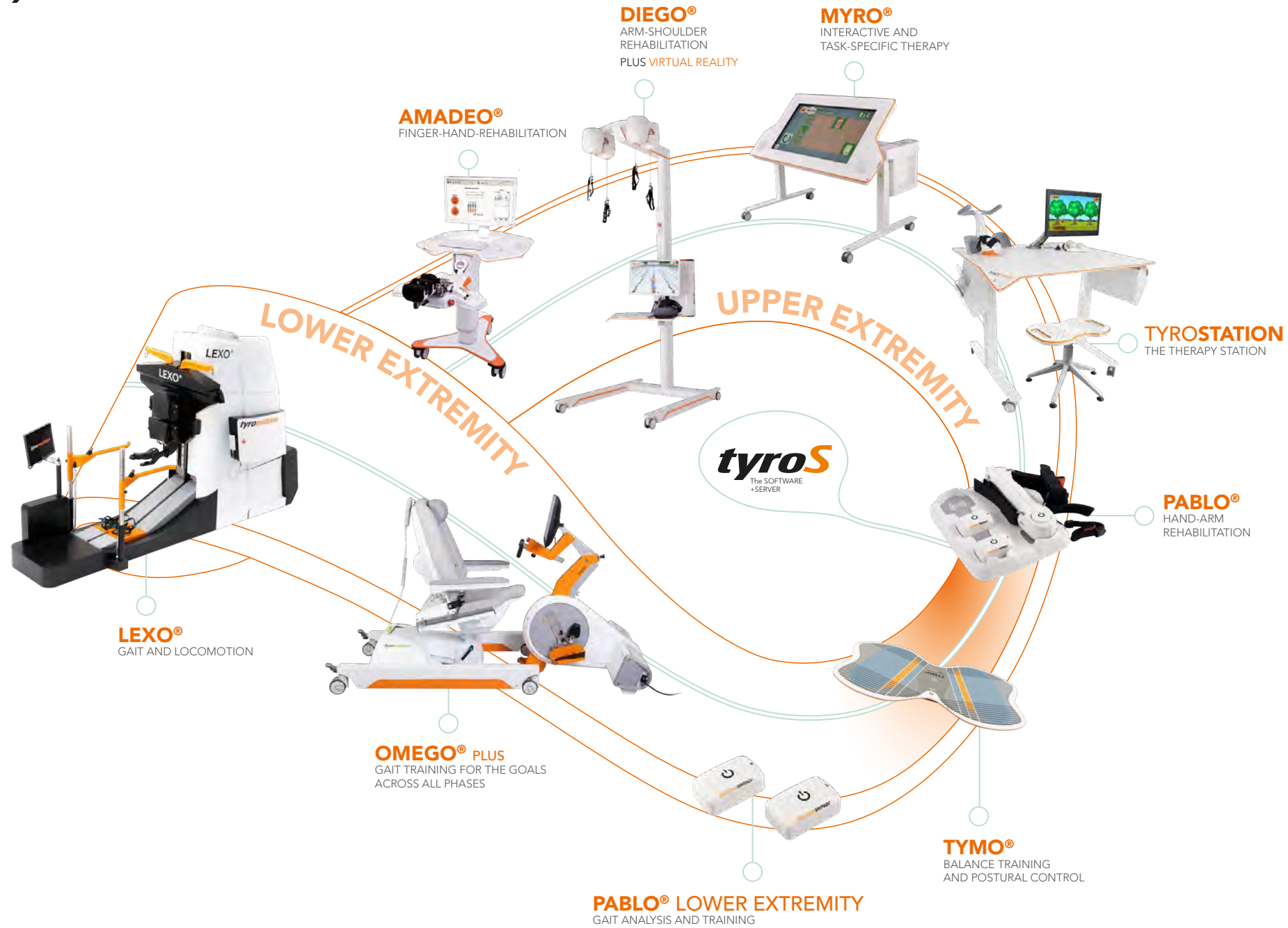
Intensity, dose and motivation are the three components of "TyroTherapy" - three components which we believe are critical to achieve the best possible therapeutic outcomes within the shortest amount of time, in a goal-driven and motivated way.

Highly intensive, focused, and motivated training is possible in an environment where classic therapy and the latest technology work together.

TyroTherapy allows patients to escape the monotony of every day, ordinary therapy. Their condition is stressful enough; shouldn't their time spent in therapy be both fun and challenging?

Let TyroTherapy provide the means for your patients to achieve their goals and enjoy therapy.





TYROTHERAPY STUDIOS FOR ALL

One provider, all therapeutic options

- All **AGE GROUPS**
from pediatric to geriatric
- All **PHASES OF REHABILITATION**
from acute to chronic
- All **DEGREES OF MOTOR IMPAIRMENT**
from mild to severe
- All **BODY REGIONS**
upper and lower extremity

From a small practice to a larger clinic, from strength and coordination to balance and gait training, our technology for upper and lower extremity offers flexible and efficient solutions, which are tailored to the individual requirements of the patient and respective facility.



AMADEO®

The global choice for hand therapy

Boredom with finger-hand rehabilitation? Not with AMADEO®! Motivation in the course of therapy is just as essential as fingers and hands are for daily life. Regardless of whether it is an adult or child, AMADEO® increases therapeutic ambition with sophisticated software and robotics. Utilizing a playful gamification approach, AMADEO® visualizes and records the smallest successes in all phases of rehabilitation.

AMADEO® is simply unique.

- 01 Quick and easy patient set-up
- 02 Easily adjustable for adults and children
- 03 Assessments, movement therapies, and spasticity treatment for fingers and the entire hand



Therapy Goals:



IMPROVE

- Grasping ability
- Individual finger movements
- Fine motor coordination



DECREASE

- Spasticity
- Tone
- Monotony

Did you know?

AMADEO® is named after Wolfgang Amadeus Mozart because disciplined finger training on a piano made him a world-class musician. AMADEO® won't make you a pianist but the principle behind this therapy is the same: practice makes perfect!

DIEGO®

Bilaterally back to life

Finally go fishing again? DIEGO® assists patients with its unique, intelligent weight relief system. The innovative setup enables the patient to enjoy functional training in a three-dimensional space - exactly with the needed support. No more and no less.

- 01 Bilateral and unilateral training
- 02 Task-oriented therapy
- 03 Fast setup
- 04 Immersive VR option

MODERATE
SEVERE

UPPER
BODY

PROXIMAL

SENSOR

ROBOTIC

GAMIFI-
CATION

- ✓ ACTIVE
- ✓ PASSIVE
- ✓ ASSISTIVE



tyromotion



Therapy Goals:



IMPROVE

- Upper extremity ROM
- Upper extremity strength
- ADL's
- Proprioception



DECREASE

- Compensatory movements
- Learned non-use effect
- Tone

Did you know?

DIEGO®'s namesake was an artist of a different kind. Unforgettable is Diego Maradona's handball at the 1986 soccer World Championship led to a spectacular, although irregular goal.

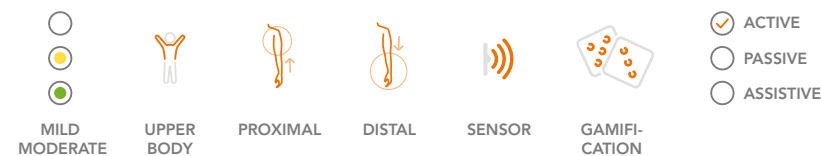
MYRO®

Full of variety, versatility, innovation and creativity

Real objects, touch control, and a whole lot of fun; this is what goal-oriented, intuitive therapy should be. Meet MYRO®.

The sensor-based surface is the foundation for creative and fun therapy. By combining real world objects with game-based tasks, it just may help your patients get back to everyday living.

- 01 Highly adaptable workspace for more than one person
- 02 Sensor based surface for task oriented (ADL) training with real objects
- 03 Uni- or bilateral motivating training



Therapy Goals:



IMPROVE

- Gross and fine motor function
- Cognitive performance
- Motivation
- Motoric coordination
- Visual perception



DECREASE

- Monotony

Did you know?

Just like the Spanish painter, sculptor and ceramist Joan Miró, it's impossible to pigeonhole our MYRO®. Full of variety, versatile, innovative and creative – the MYRO® won't make you an artist overnight but it will motivate you to practice like a master.

PABLO®

As versatile as your patients' lives

PABLO® is a multi-functional addition to your activities of daily living therapy training.

Position sensors and numerous accessories open up incredibly flexible therapeutic options in a safe environment for patients of many impairment levels.

- 01 Therapies for the entire body
- 02 Objective assessments and reporting system
- 03 ADL-based cooperative training
- 04 Guided and assisted movement with specially designed equipment

MILD
MODERATE

UPPER
BODY

LOWER
BODY

PROXIMAL

DISTAL

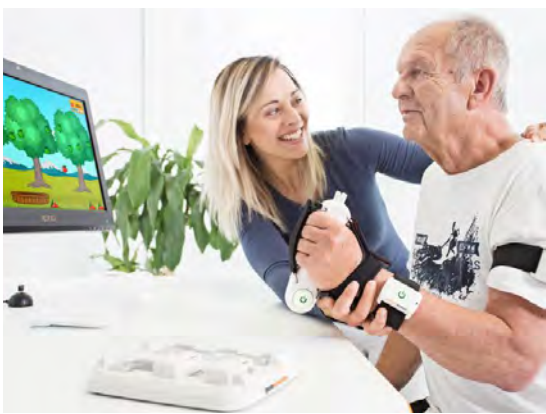
SENSOR

GAMIFI-
CATION

ACTIVE

PASSIVE

ASSISTIVE



Therapy Goals:

- IMPROVE

 - Precision grips
 - Motivation
 - Grasping force
 - Arm, hand and wrist functions
- DECREASE

 - Spasticity
 - Tone
 - Monotony

Did you know?

The versatile artist Pablo Picasso was the inspiration for our multi-functional PABLO®, which offers a variety of ways to allow the patient to practice everyday activities.

TYROSTATION

Great therapy starts with
a well-organized foundation

The TYROSTATION is home to all individual components of PABLO® and TYMO® and also provides a perfect ergonomic adaptability for every patient.

- 01 Height-adaptable therapy table
- 02 Safe storage and structured application environment



LEXO®

The new standard in robotic gait training

With LEXO®, repetitive gait training becomes a highly motivating therapy experience!
As an evidence-based end-effector system, LEXO® fits naturally into your rehabilitation concept and ensures efficient use of therapy time. Due to its high adaptability, a wide range of patients with different levels of impairment can be treated and brought back to a physiological gait pattern. The therapist appreciates the freedom to concentrate fully on the patient.

- 01 Efficient use of therapy time
- 02 High adaptability
- 03 Active training mode
- 04 Compact design and low height

●

●

○

MODERATE
SEVERE

LOWER
BODY

ENDURANCE
AND
STRENGTH

WALKING
ABILITY
AND
BALANCE

SENSOR

ROBOTIC

ACTIVE

PASSIVE

ASSISTIVE



Therapy Goals:

- IMPROVE
 - Gait pattern & velocity
 - Walking distance
 - Muscle strength
 - Postural control
 - Endurance
- DECREASE
 - Cardiovascular stress
 - Fall risk
 - Immobility

Did you know?

During eight years of intensive product development, the name LEXO® developed from the term "Lower Extremity". Adding Tyromotion's characteristic "O" to the end of the name, LEXO® was born.

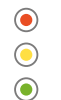
OMEGO® Plus

Adaptable and motivational gait rehabilitation


The OMEGO® Plus allows you to go where no other robotic lower extremity therapy device can. The multifunctional chair provides nearly limitless variability for limited lower limb function movement therapy.

Cost effective, motivational, and fun, OMEGO® Plus provides isometric, eccentric, and concentric training for your patients in a way you never thought possible.


- 01 One device for gait therapy goals across all rehabilitation phases
- 02 Multi-functional chair for enhanced therapy
- 03 Early rehabilitation and verticalization
- 04 One-of-a-kind OMEGO® Plus:
Stepper, leg press, sensor training, ankle joint training, rhythm training, cycling




MILD
MODERATE
SEVERE




LOWER
BODY




ENDURANCE
AND
STRENGTH




WALKING
ABILITY
AND
BALANCE



SENSOR



ROBOTIC



GAMIFI-
CATION

✓ ACTIVE
✓ PASSIVE
✓ ASSISTIVE

Therapy Goals:

IMPROVE

- Muscle strength and joint movement
- Endurance
- Coordination and perception
- Motivation

DECREASE

- Tone
- Spasticity
- Monotony
- Learned non-use effect

Did you know?

The name OMEGO® Plus was created from a technical background. The name is derived from the angular velocity "Omega" that plays an important role in the therapy utilized with OMEGO® Plus.

18

19

PABLO® LOWER EXTREMITY

You'll have a sixth sense where therapy is going

PABLO® Gait, our sensor-based gait analysis and training system, precisely measures and tracks parameters that are critical for the proper selection of the most effective gait therapy.

Simple to use and highly adaptable across a multitude of patients, assessments and therapies.

Small device, great effect.

- 01 Easy-to-use objective gait assessment
- 02 Relevant gait parameters at one glance
- 03 Motivational feedback training for lower extremity

○

●

●

MILD
MODERATE

○

●

●

LOWER
BODY

○

●

●

ENDURANCE
SPEED

○

●

●

WALKING
ABILITY
BALANCE

○

●

●

SENSOR

○

●

●

GAMIFI-
CATION

✓

○

○

ACTIVE
PASSIVE
ASSISTIVE



PABLO GAIT ASSESSMENT

Personal data

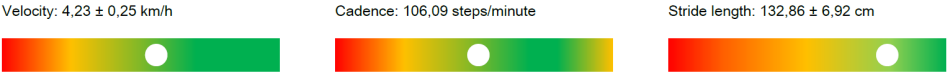
Name: John Doe Birthdate: 10.06.1970
Sex: m

Admission data:

Date: 25.10.2018 Time: 11:35
Number of evaluated Steps: 14 Distance: 18,6 m
Test duration: 19 s Therapist:

Comment

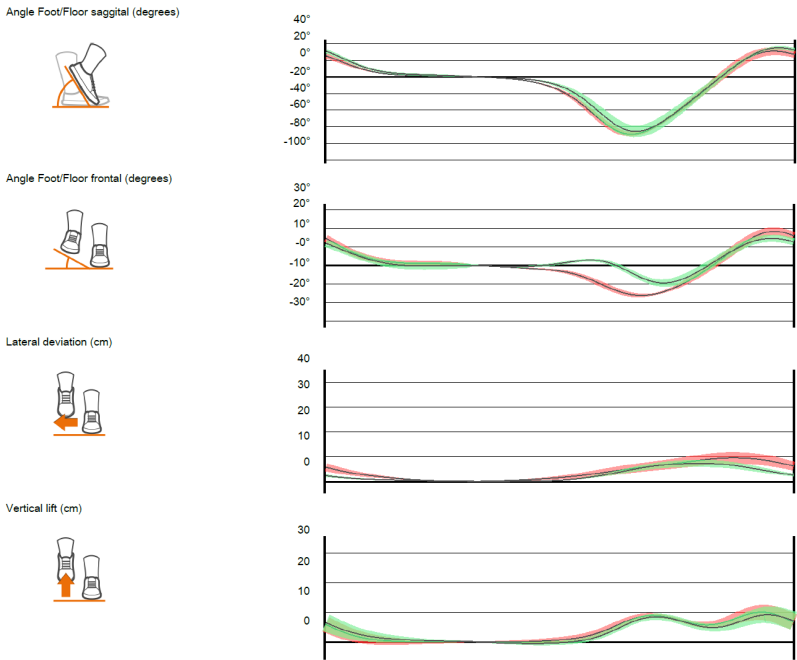
Gait parameters:



Gait cycle

Measurement left	62,2%±3,4				37,8%±0,7
	13,9%±1,2	21,0%±1,4	7,4%±0,8	13,9%±1,0	
Measurement right	64,0%±2,8				36,0%±1,0
	13,8%±0,7	19,2%±1,2	17%±1,0	14,0%±1,1	
Norm	62,0% Stance				38,0% Swing Phase
	12,0% Loading Response	19,0% Mid Stance	19,0% Terminal Stance	12,0% Pre Swing	

Diagram



Therapy Goals:

- IMPROVE

 - Gait pattern
 - Objectivity of data
- DECREASE

 - Fall risk
 - Monotony

Did you know?

Do you remember? The versatile artist Pablo Picasso was the inspiration for our multi-functional PABLO®. With PABLO® Lower Extremity, the PABLO® system once again demonstrates that versatility has no limits.

TYMO®

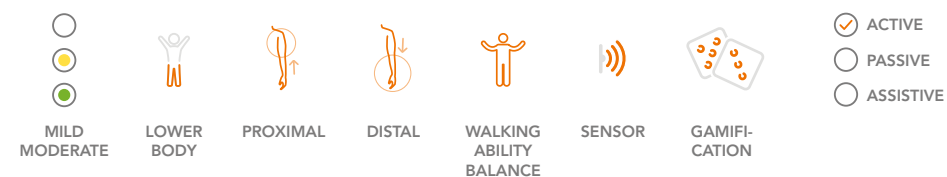
The perfect balance between technology and movement

Small but powerful – this is how TYMO® can be described.

TYMO®, a portable balance system and one of the thinnest force plates on the market. TYMO® trains the body in a sensitive, specific, meaningful manner. A great tool for both static and dynamic posturography testing. Can also be used in other positions, such as sitting or prone on elbows, for those patients unable to stand.

Motivation and fun are included.

- 01 Static and dynamic assessments for full body therapies
- 02 Thin, compact and portable therapy plate
- 03 Evidence-based evaluation and therapy of postural control and balance



Therapy Goals:



IMPROVE

- Balance
- Posture control
- Muscle strength
- Trunk coordination
- Cognition



DECREASE

- Fall risk
- Monotony

Did you know?

Unlike many of our therapy devices, TYMO® was not named after a person. Instead, we profess our passion for our patients, therapists, and, of course, for therapy with our version of the Italian phrase "ti amo." Ciao, TYMO®!

TyroS



Our TyroS software – developed by and together with therapists – **is the brain our technology**, which combines devices, know-how, and therapeutic games. The result is a sophisticated, therapeutic system designed to challenge and encourage patients.

Therapeutic games and gamification provide the right mix of motivation and fun during rehabilitation.

Therapeutic sequences can be created individually and adapted to the specific needs of each patient to optimize each therapy session. Automated reporting saves time and helps make rehabilitation even more efficient.

Our TyroS software is constantly improving, providing even more enhanced uses for our hardware. The optional **TyroServer** ensures that patient data is reliably stored and available cross-departmentally.



SCIENTIFIC EVIDENCE

We only do what is scientifically proven.

We utilize an evidence-based approach with all our devices, and patient improvement and positive outcomes is central to our technology offering.

Providing clinically relevant and superior rehabilitation technologies is why we exist.

That's why we continue to collaborate with clinical researchers and thought leaders around the globe to provide scientifically proven therapeutic technologies to the world.

TYROMOTION GMBH – HEADQUARTERS

Bahnhofguertel 59
8020 Graz, AUSTRIA

+43 316 908 909
office@tyromotion.com

TYROMOTION INC – USA

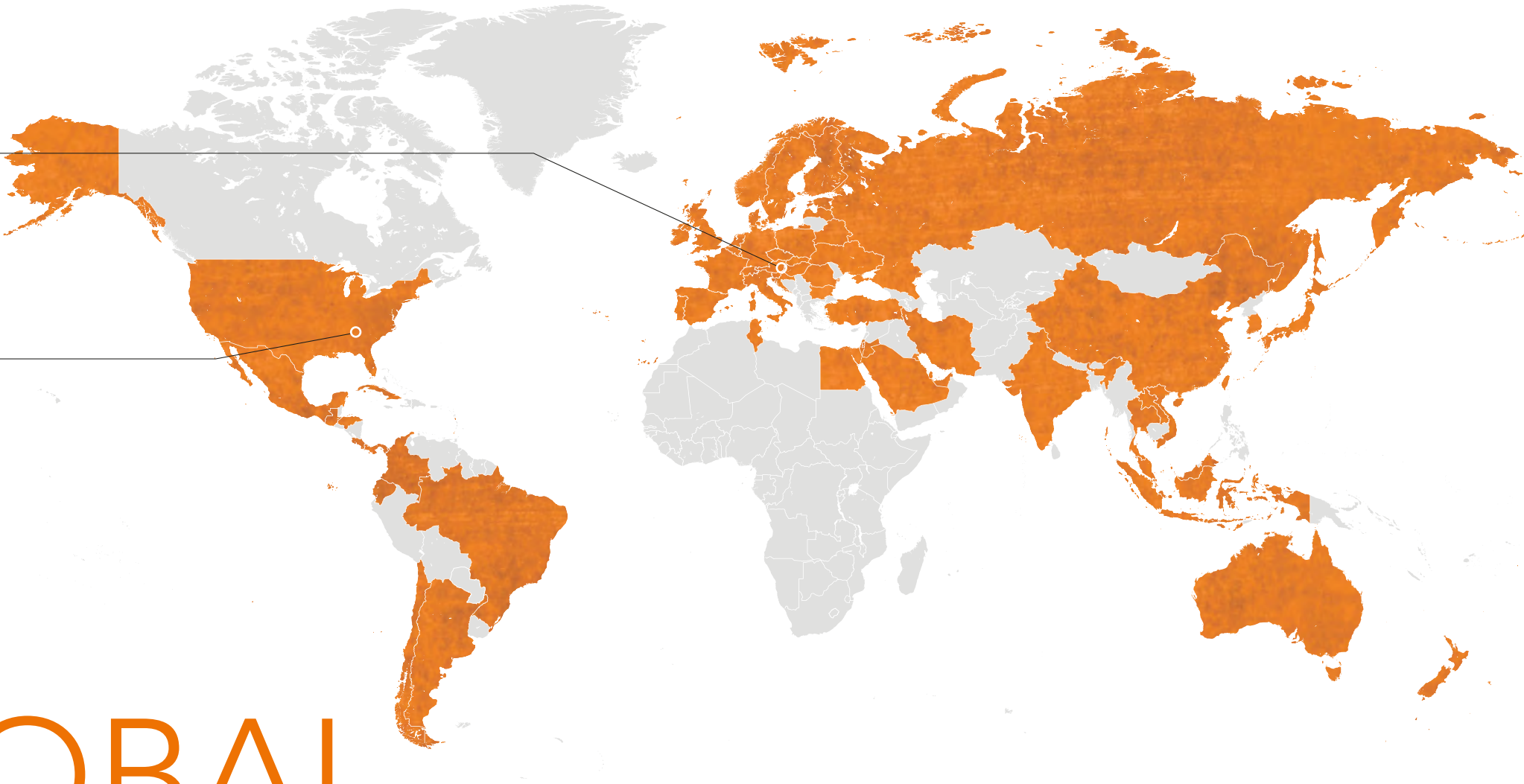
1341 Capital Circle, SE
Suite J
Marietta, GA 30067, USA

+1 678 903 8915
+1 888 845 4494
usa@tyromotion.com

TYROMOTION – DIRECT SALES

Germany
+49 9721 533 53 90
deutschland@tyromotion.com

Switzerland
+41 78 723 0694
schweiz@tyromotion.com



GLOBAL
LOCATIONS

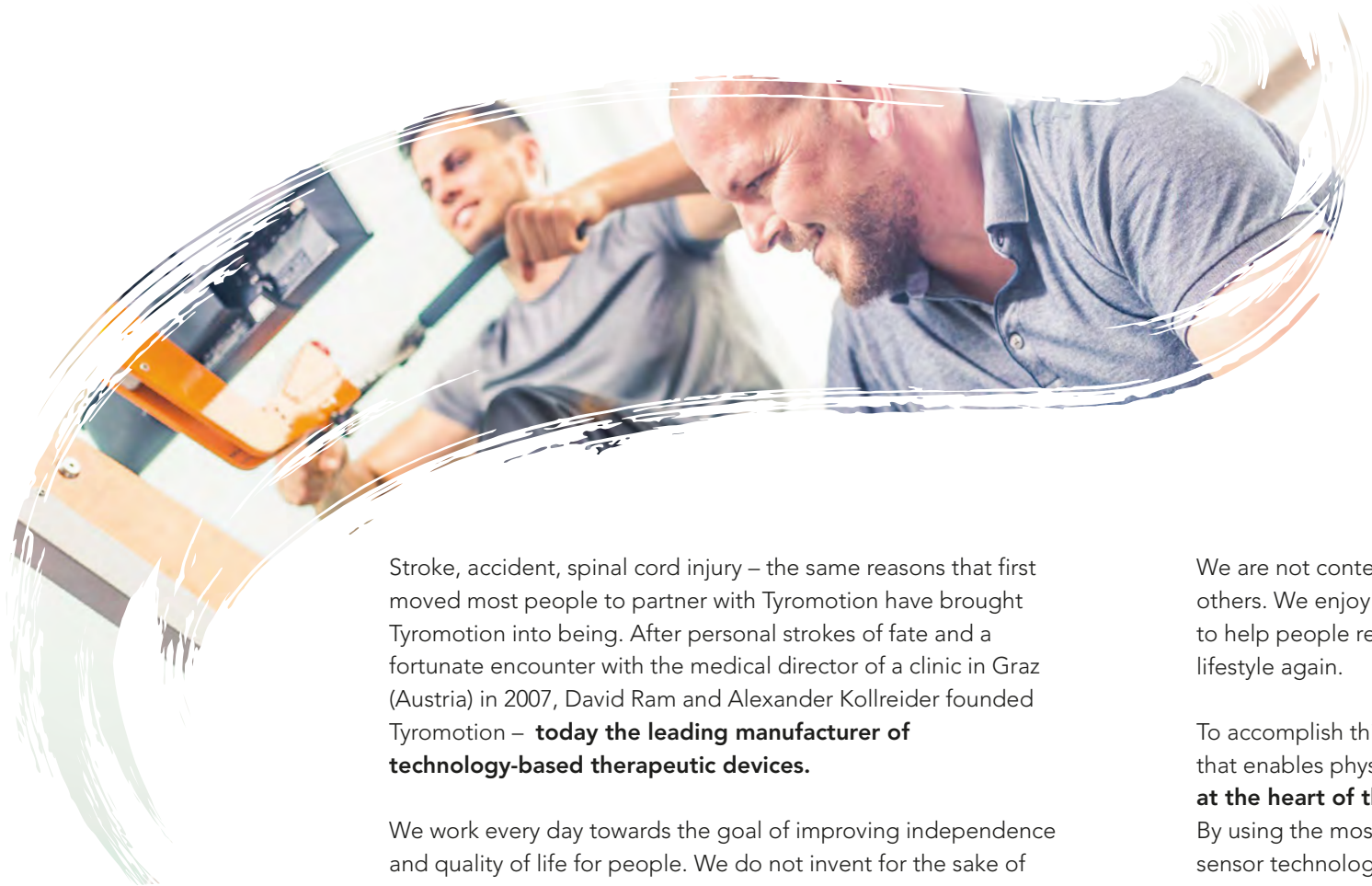
TYROTHERAPY

GET BETTER.
EVERY DAY.

tyromotion

THIS IS TYROMOTION

We move people – physically and emotionally



Stroke, accident, spinal cord injury – the same reasons that first moved most people to partner with Tyromotion have brought Tyromotion into being. After personal strokes of fate and a fortunate encounter with the medical director of a clinic in Graz (Austria) in 2007, David Ram and Alexander Kollreider founded Tyromotion – **today the leading manufacturer of technology-based therapeutic devices.**

We work every day towards the goal of improving independence and quality of life for people. We do not invent for the sake of inventing, rather to make a difference in the lives of people living with mobility issues.

We are not content to copy things or just to be as good as others. We enjoy breaking new ground with innovative products to help people regain their independence and live an active lifestyle again.

To accomplish this mission, we provide a comprehensive solution that enables physicians and therapists to **put their patients at the heart of therapy** and to work together on their goals. By using the most modern technologies such as robotics, sensor technology, virtual reality, and gamification, patients are guided through the rehabilitation process more intensively and motivationally.



tyro
beginner/novice

motion
movement

2006 Development of the business concept at the Graz University of Technology by Alexander Kollreider and David Ram	2007 Business formation by David Ram and Alexander Kollreider in Graz	2008 AMADEO®	2009 PABLO®	2012 TYMO® Branch establishments in Germany and the USA	2013 DIEGO®	2014 TYROSTATION	2015 MYRO®	2016 PABLO® WIRELESS/ DIEGO® VIRTUAL REALITY	2017 OMEGO® PABLO® Lower Extremity TYMO® Balance Triplification of production space in Graz	2019 OMEGO® Plus	2020 LEXO®
---	---	------------------------	-----------------------	--	-----------------------	----------------------------	----------------------	---	--	----------------------------	----------------------

THE PEOPLE

One team, one mission, endless possibilities
Our mission is to help people get better – every day.

And we have a burning desire to do so. We are a colourful mix of energetic visionaries, thinkers and implementers who work hard every day to make the decisive difference for patients. And everything is done with ample brain, heart and humour.

Cohesion, team spirit and full commitment not only make us innovative, but also strongly able to implement. We are able to play a part, assume responsibility, break new ground with curiosity, fun and creativity, and to meaningfully implement highly innovative technology. This is what makes us – Tyros – stand apart.

80+
employees

55+
countries
worldwide

3
branch
establishments

40+
distribution
partners worldwide

3,000+
devices
in use





tyromotion



TYROMOTION

Tyromotion Inc
1341 Capital Circle, SE, Suite J
Marietta, GA 30067, USA

+1 678 903 8915
usa@tyromotion.com

www.tyromotion.com