

tyromotion



TYROTHERAPY
GET BETTER.
EVERY DAY.

TYROTHERAPY

GET BETTER. EVERY DAY.

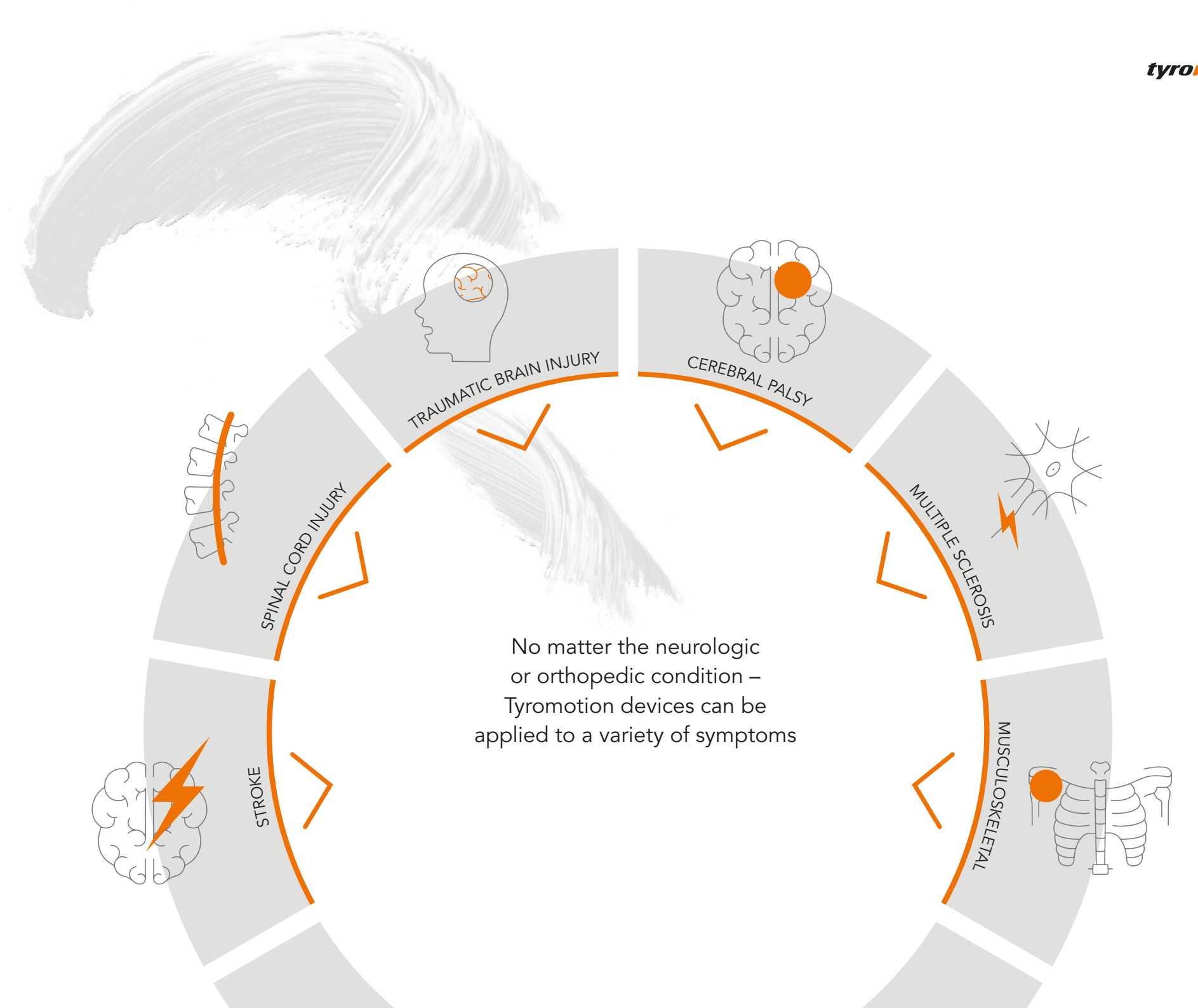
Putting patients at the heart of rehabilitation

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.

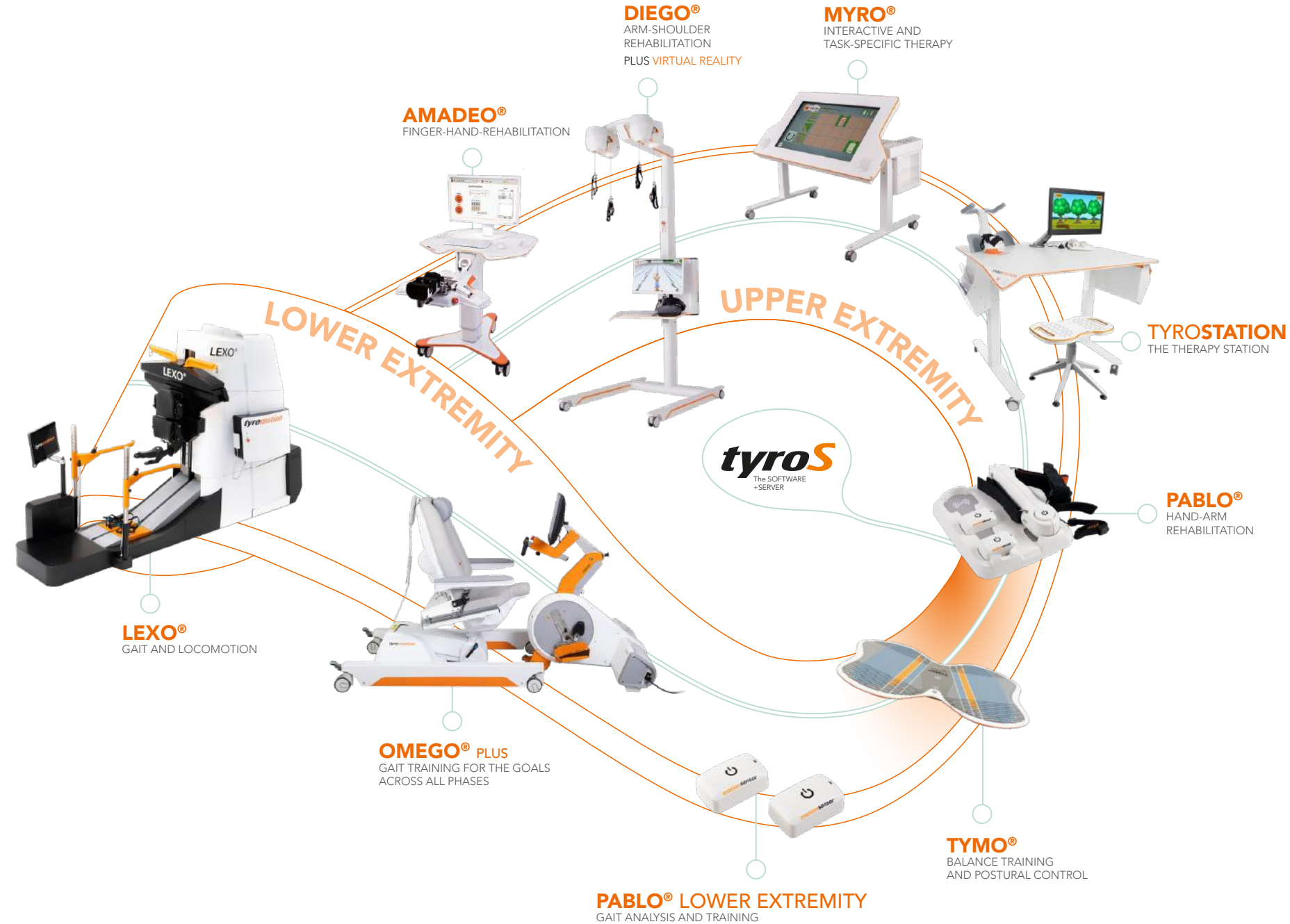
Highly intensive, focused, and motivated training is possible in an environment where classic therapy and the latest technology work together.

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.



No matter the neurologic or orthopedic condition – Tyromotion devices can be applied to a variety of symptoms



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®

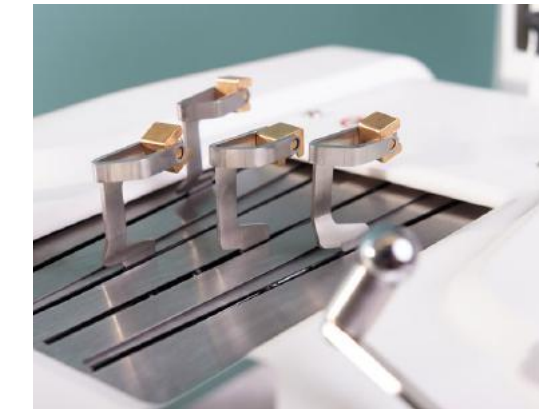
The global choice for hand therapy

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

						<input checked="" type="checkbox"/> ACTIVE
MODERATE SEVERE	UPPER BODY	DISTAL	SENSOR	ROBOTIC	GAMIFICATION	<input checked="" type="checkbox"/> PASSIVE
						<input checked="" type="checkbox"/> ASSISTIVE



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

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

						<input checked="" type="checkbox"/> ACTIVE
MODERATE SEVERE	UPPER BODY	PROXIMAL	SENSOR	ROBOTIC	GAMIFICATION	<input checked="" type="checkbox"/> PASSIVE
						<input checked="" type="checkbox"/> ASSISTIVE



Therapy Goals:



IMPROVE

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

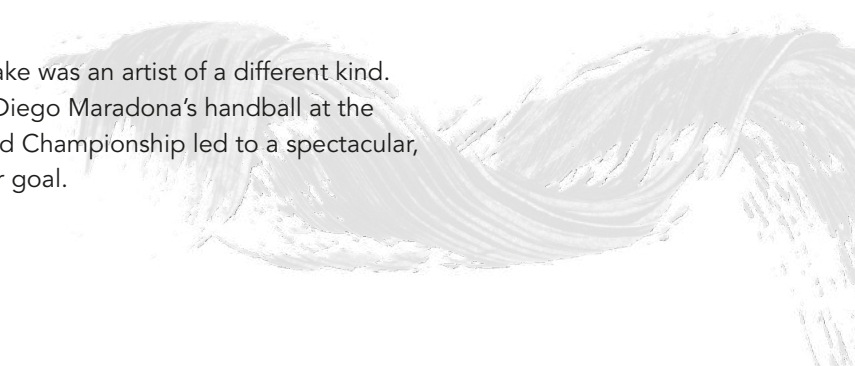


DECREASE

- 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.



PABLO®

As versatile as your patients' lives

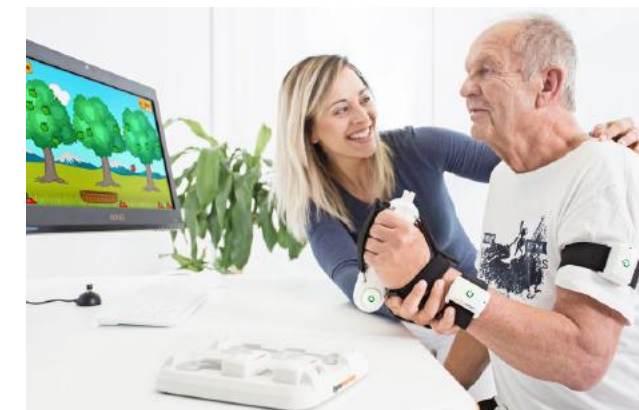
PABLO® is a multi-functional addition to your activities of daily living therapy training.

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



							<input checked="" type="checkbox"/> ACTIVE
MILD MODERATE	UPPER BODY	LOWER BODY	PROXIMAL	DISTAL	SENSOR	GAMIFI- CATION	<input type="checkbox"/> PASSIVE
							<input type="checkbox"/> 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.

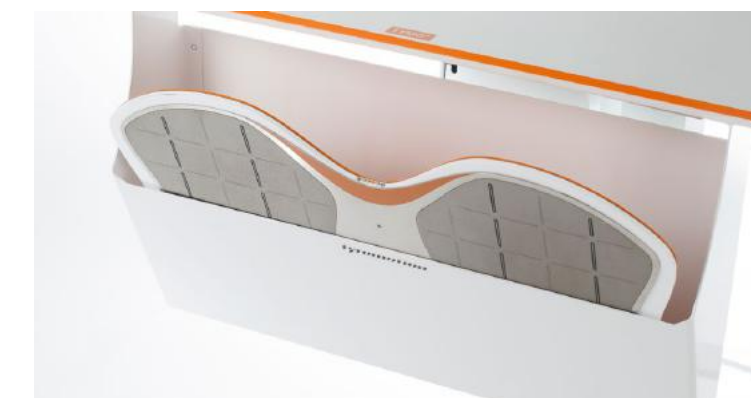


TYROSTATION

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. Patients with different levels of impairment train on LEXO® in an active, assistive or passive mode. Therapists gain the opportunity to concentrate on details, such as joints and muscles contributing to a physiological gait pattern.

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

						<input checked="" type="checkbox"/> ACTIVE
MODERATE SEVERE	LOWER BODY	ENDURANCE AND STRENGTH	WALKING ABILITY AND BALANCE	SENSOR	ROBOTIC	<input checked="" type="checkbox"/> PASSIVE
						<input checked="" type="checkbox"/> 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 | | DECREASE |
| <ul style="list-style-type: none"> • Muscle strength and joint movement • Endurance • Coordination and perception • Motivation | <ul style="list-style-type: none"> • 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.

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

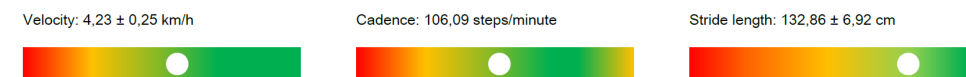
Name: John Doe Birthdate: 10.06.1970
Sex: m

Admission data:

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

Comment

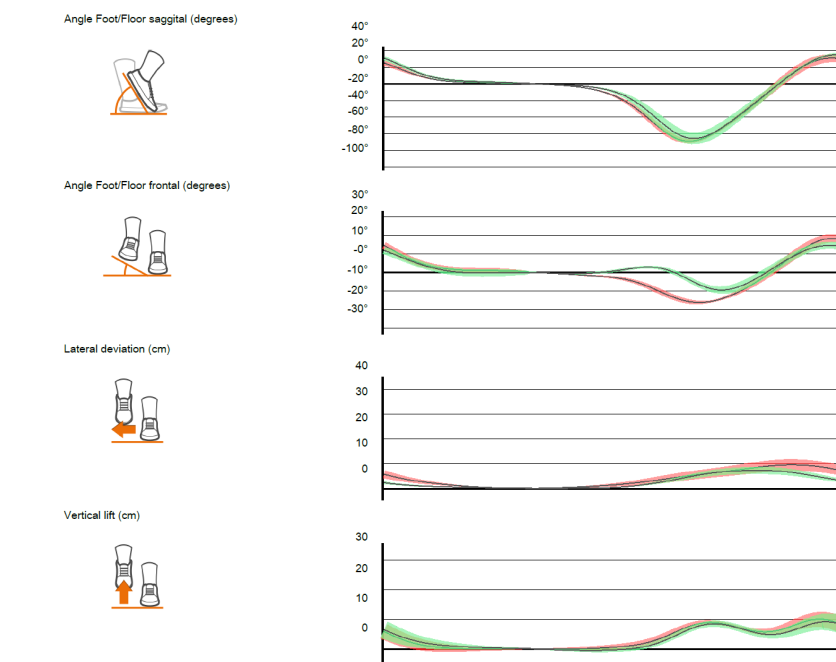
Gait parameters:




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	62,9% Stance				38,0%
	12,0% Loading Response	19,0% Mid Stance	19,0% Terminal Stance	12,0% Pre Swing	38,0% Swing Phase

Diagram




Therapy Goals:

- 

IMPROVE

 - Gait pattern
 - Objectivity of data

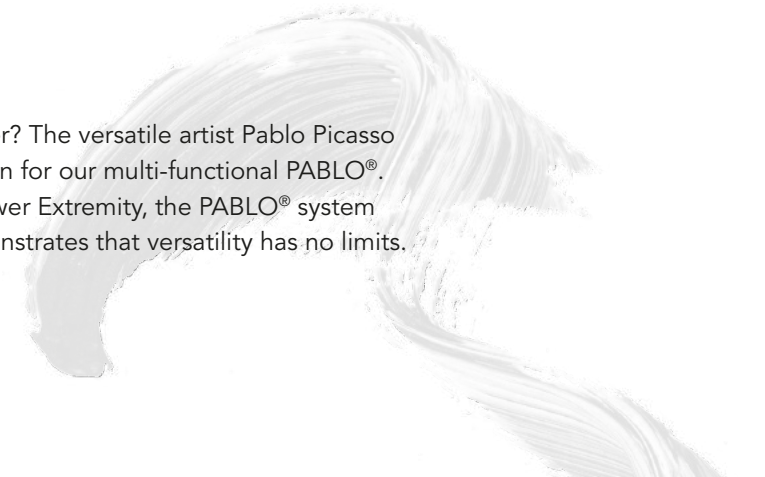


DECREASE

 - 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.



TyroS

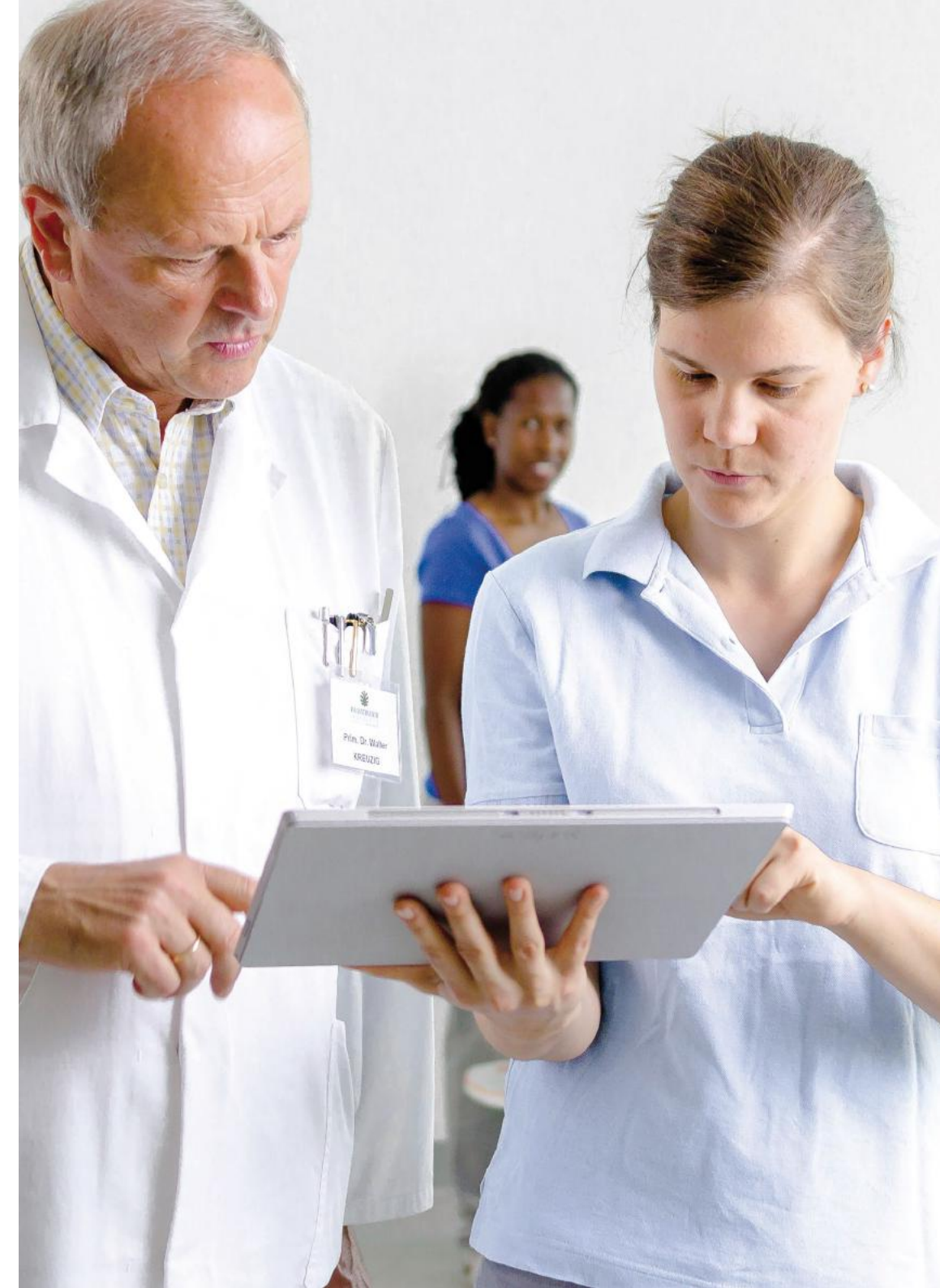


Our TyroS software – developed by and together with therapists – **is the brain of our technology**, which combines devices, know-how, and therapeutic programs. The result is a sophisticated, therapeutic system designed to challenge and encourage patients.

Therapeutic programs 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. Patient improvement and positive outcomes are 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

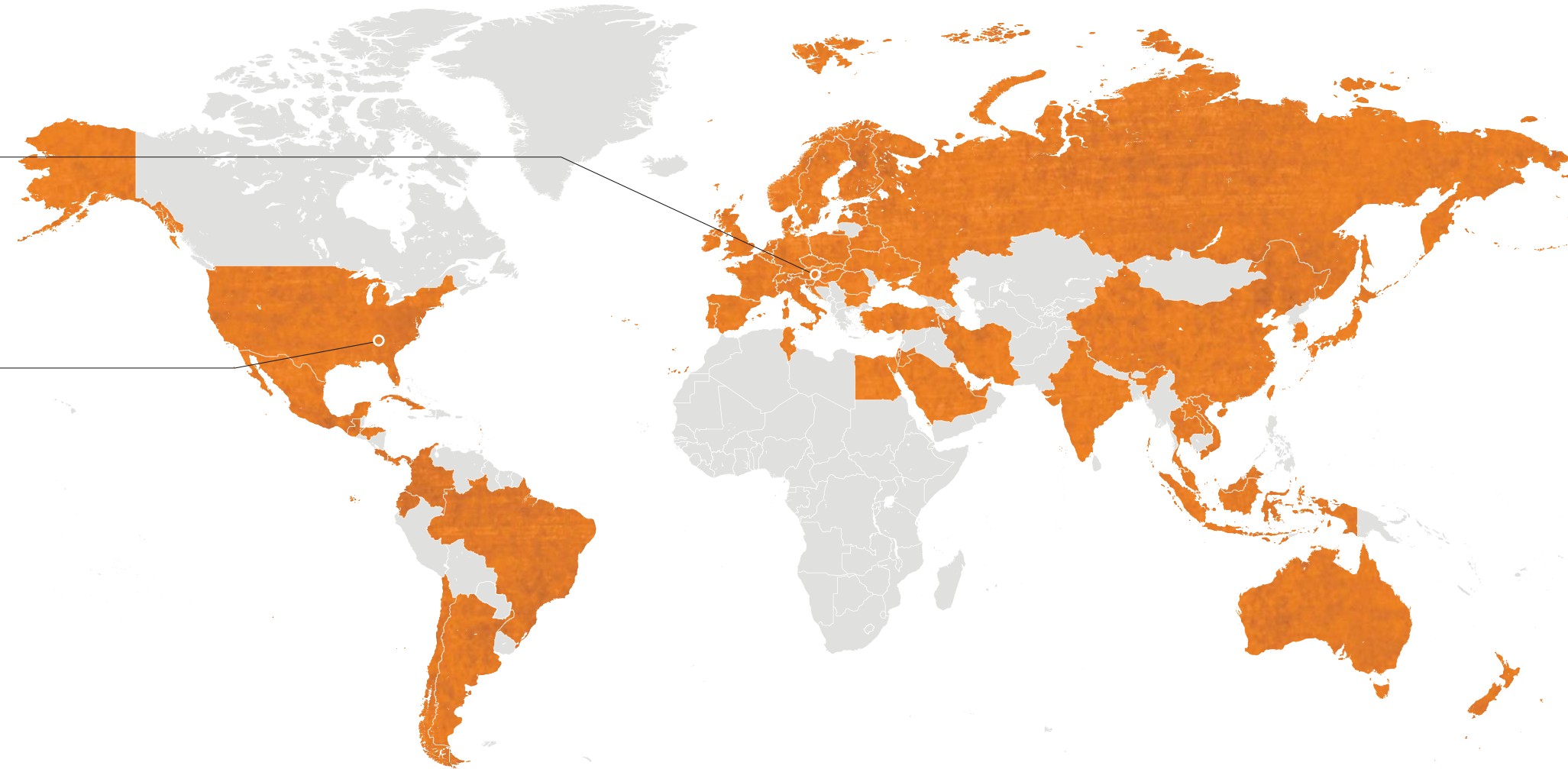
1341 Capital Circle, SE
Suite J
Marietta, GA 30067, USA

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

TYROMOTION – DIRECT SALES

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

Switzerland
schweiz@tyromotion.com



TYROTHERAPY

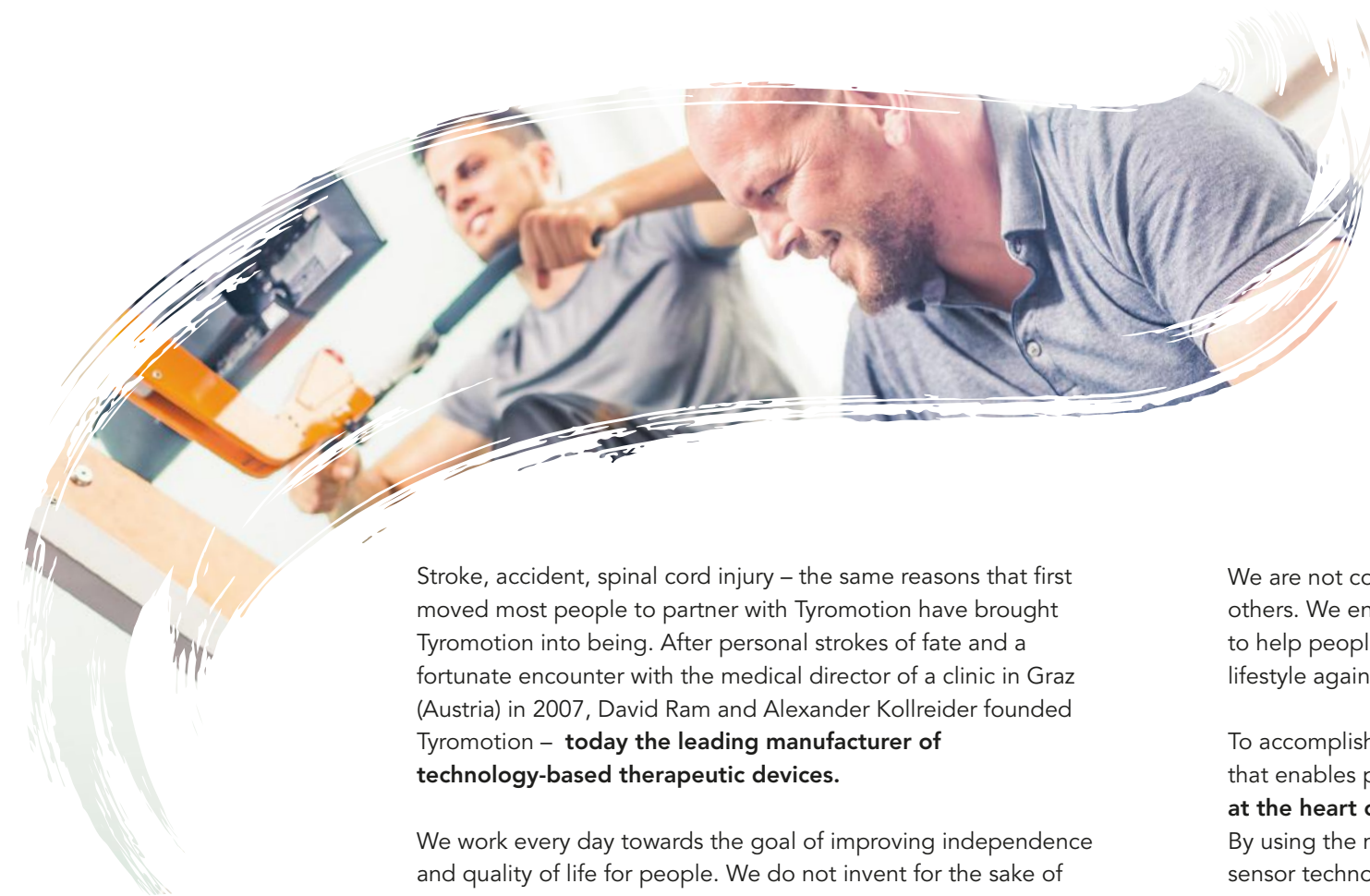
GET BETTER.
EVERY DAY.

tyromotion

EXPERIENCE
THE PROGRESS

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.

tyromotion

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.

85+ employees

55+ countries worldwide

3 branch establishments

40+ distribution partners worldwide

3,500+ devices in use



tyromotion



TYROMOTION



Tyromotion GmbH
Bahnhofguertel 59
8020 Graz, AUSTRIA



+43 316 908 909
office@tyromotion.com



www.tyromotion.com

08/21

EN