

AKUIS
. T E C H

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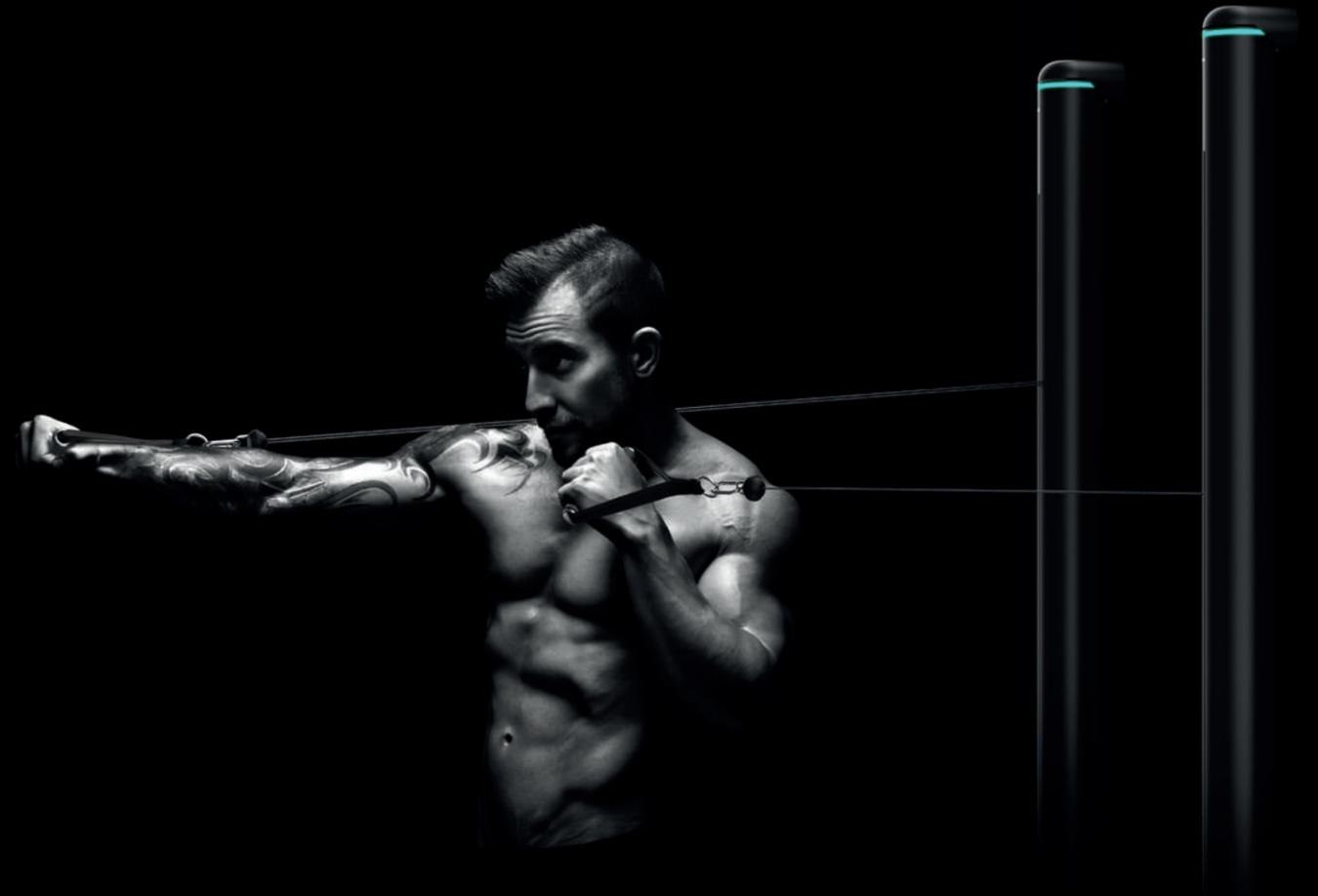


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 **SINTESI**
Human Driven Workout

AKUIS

ADVANCED KINETIC USER INTERACTION SYSTEMS

THE NEW ERA OF DIGITAL LOADS

Human Driven Digital solutions for
Fitness and Rehabilitation



ELECTRIC MOTORS



MONITORING AND
PERFORMANCE CONTROL



DIMENSION AND
WEIGHT REDUCED



ADVANCED LOAD
PROFILES



VERY LOW
CONSUMPTION

VISION

Wellness only when is needed,
in the right way. Everywhere.

MISSION

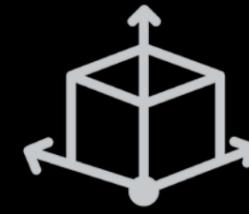
We want to help people to take
care of their health more
naturally, more effectively and
with more engagement.





ENGAGING AND HARMONIC WORKOUT

A complete training session, customized and
monitored with an unique device which
provides harmonic, consistent and comparable
data



REDUCED SPACE

A whole Gym in one Digital Machine
with the most reduced space ever



VERY FAST ROI

Return on Investment with
just 3 sessions per week



TIME OPTIMIZATION

Results in less time
Automated Setup
Shorter Sessions

A WINNING STRATEGY

TO BE ONE STEP AHEAD



- ELEGANT AND FRIENDLY LOCATION
- CONSTANT MARKETING
- ATTENTION TO REPUTATION
- ENGAGING COURSES AND METHODS
- CUSTOMER CARE BEFORE, DURING AND AFTER TRAINING
- COST OPTIMIZATION
- BEST EQUIPMENTS

Numerous and specific machines are expensive and bulky.

The training is fragmented and not measurable!



Insanity is doing the same thing and expecting different results. Albert Einstein



WHAT YOUR CUSTOMER EXPECTS

TAYLOR MADE PROGRAMS

SAVE TIME



EFFECTIVE RESULTS

MOTIVATION AT THE TOP

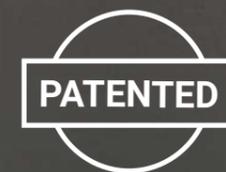
OUR "VALUE PROPOSITION"

- INTEGRATED, ENGAGING AND TAYLOR MADE WORKOUT
- RESULTS IN LESS TIME
- FIRST ANALYSIS ON THE CONDITIONS OF THE CUSTOMER
- VISUAL FEEDBACK DURING THE WORKOUT
- DATA COMPARISON BETWEEN DIFFERENT SESSIONS
- REPORT OF IMPROVEMENTS

A WHOLE
FITNESS LAB
IN ONE DIGITAL
MACCHINE

FULL BODY
WORKOUT
WITH VISUAL
DATA FEEDBACK

SINTESI





THE MECHANISM technically defined “**Dynamic Vectoring System**” allows to have a complete freedom of movement, reproducing the behavior of free weights, isotonic machines and much more, electronically adapting the device to any tipe of practice and for each training requirement.

This makes SINTESI as well as a Gym, also a valuable assistant able to recommend, track and stimulate the user, customizing the trainig experience.

SINTESI is an innovative device that provides a new way of doing physical activity both in sport and in rehabilitation. Its technology is based on the use of electric motors to generate a load that simulates the one of the most varied equipments used in gyms.

All working parameters are set by a simple tablet that is always connected to the machine and shows in real time relevant and objective data on training, with the ability to store and compare them, to allow the trainer to develop "workouts" always at their best.

Technology with electric motors





IN VERTICAL

A VERY REDUCED SPACE REQUIRED

The two tubular modules can be applied directly to a wall, thanks to the simple brackets provided with rapid attachment/ detachment. You can pre-install additional brackets in

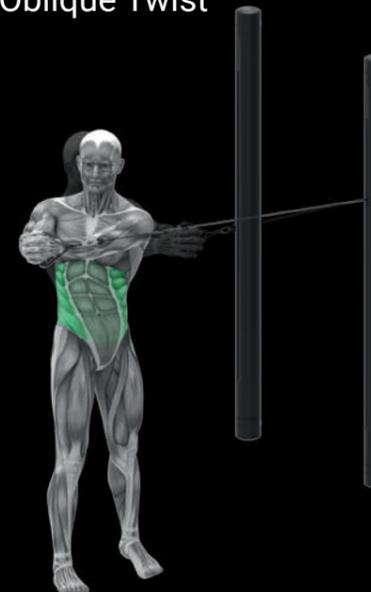
other environments and use the same modules without limitations. This configuration allows to easily optimize the space.

A single module weights less than 9 kg and can generate a load up to 50 kg (for a total of 100 kg)



SOME VERTICAL WORKOUT EXAMPLES

Standing Oblique Twist



Standing Leg Abduction



Standing Pulldown Triceps



Seated Neutral Grip Pulley Row



Full-body thrusts



Lat machine



AKUIS



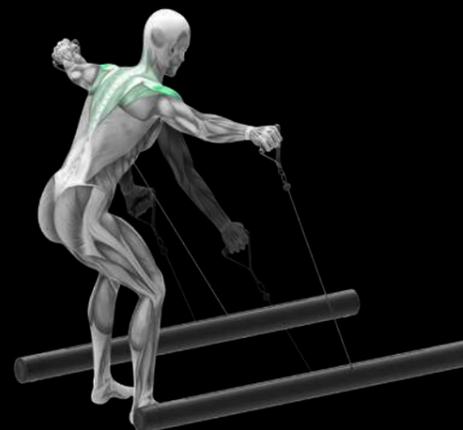
IN HORIZONTAL A SOLID WORKBASE

Thanks to the platform accessory, it is possible to position the tubular modules horizontally with the same rapid fastening/unfastening system. In this configuration it is possible to perform multiple exercises in a reduced space (214 X 100 cm), both inside and outside of the platform

that has been specifically designed to ensure a solid stability on the ground and sized for a convenient use of any bench or step. It also allows a total accessibility even in cases of users with disabilities.

SOME HORIZONTAL WORKOUT EXAMPLES

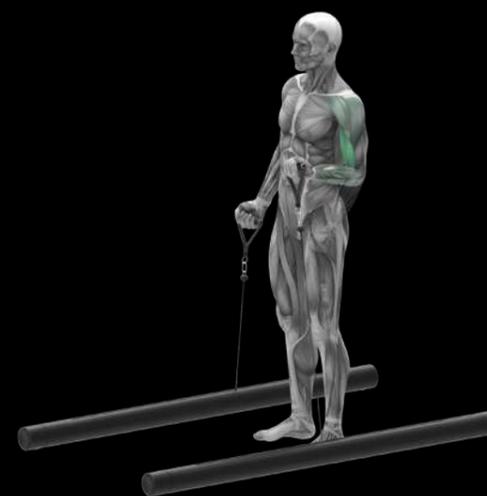
Lateral Rises



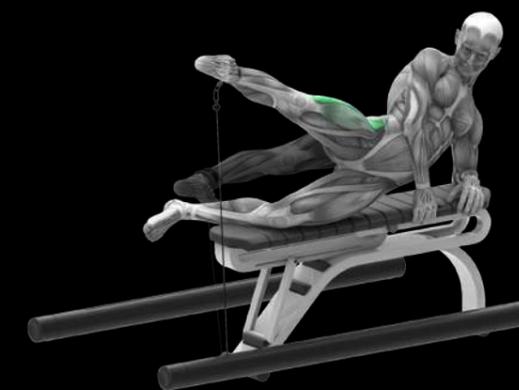
Chest Fly



Biceps Curl



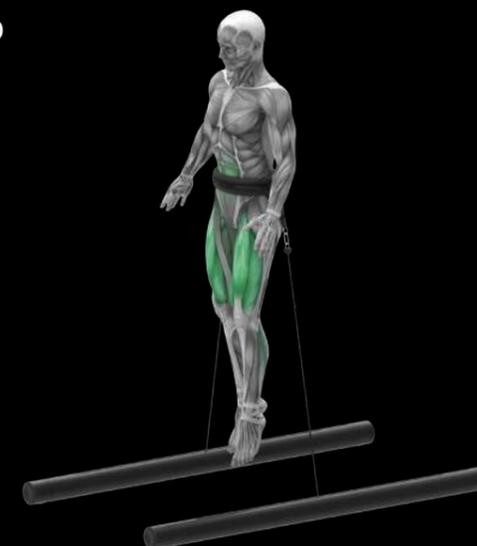
Lateral leg abduction



Leg Extension



Jump

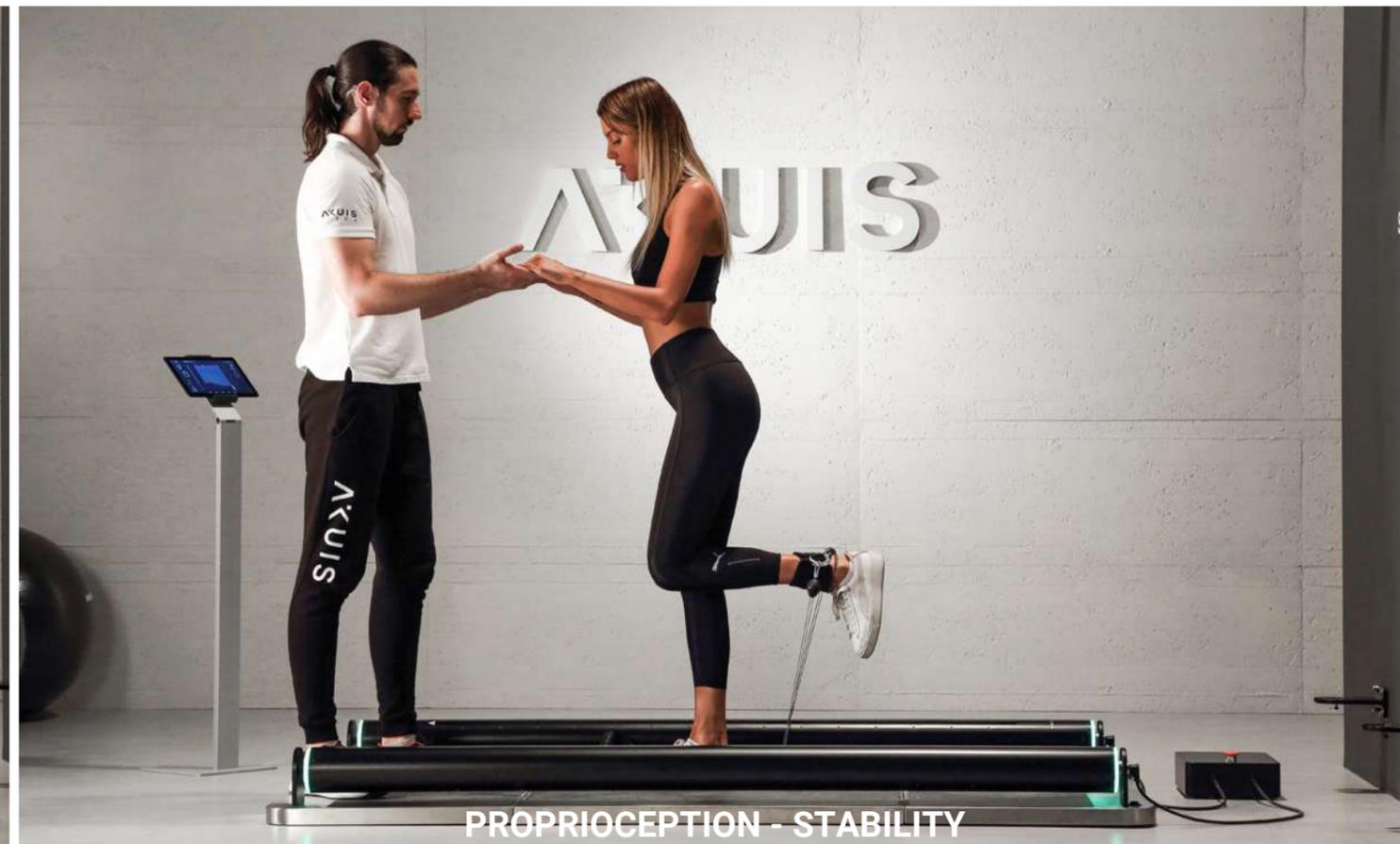


A FITNESS LAB ALL-IN ONE



STRENGTH - HYPERTROPHY

WHAT YOU CAN DO WITH SINTESI



PROPRIOCEPTION - STABILITY



CARDIO



POWER

AKUIS



TONING - SLIMMING

AKUIS



FUNCTIONAL TRAINING



AKUIS



FUNCTIONAL RECOVER

AKUIS



SPORT PERFORMANCE - RETURN TO PLAY



CIRCUIT



TRAINING



THE DIGITAL LOAD

A NEW KIND OF WORKOUT

Unlike traditional weights (dumbbells or isotonic machines), the electric motors technology allows to obtain a smooth and constant resistance which is not affected by torque and gravity. This greatly enhances the recruitment of muscle groups, during the movement, improving the result in less time.

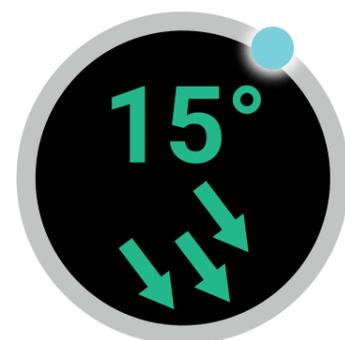
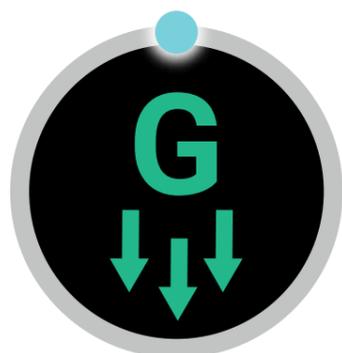
In addition, the load can be varied in real time and deactivated at any time. In this way laborious handling operations of the physical weights are eliminated, improving the professional operativeness and reducing the risk of accidents.

DYNAMIC VECTORING

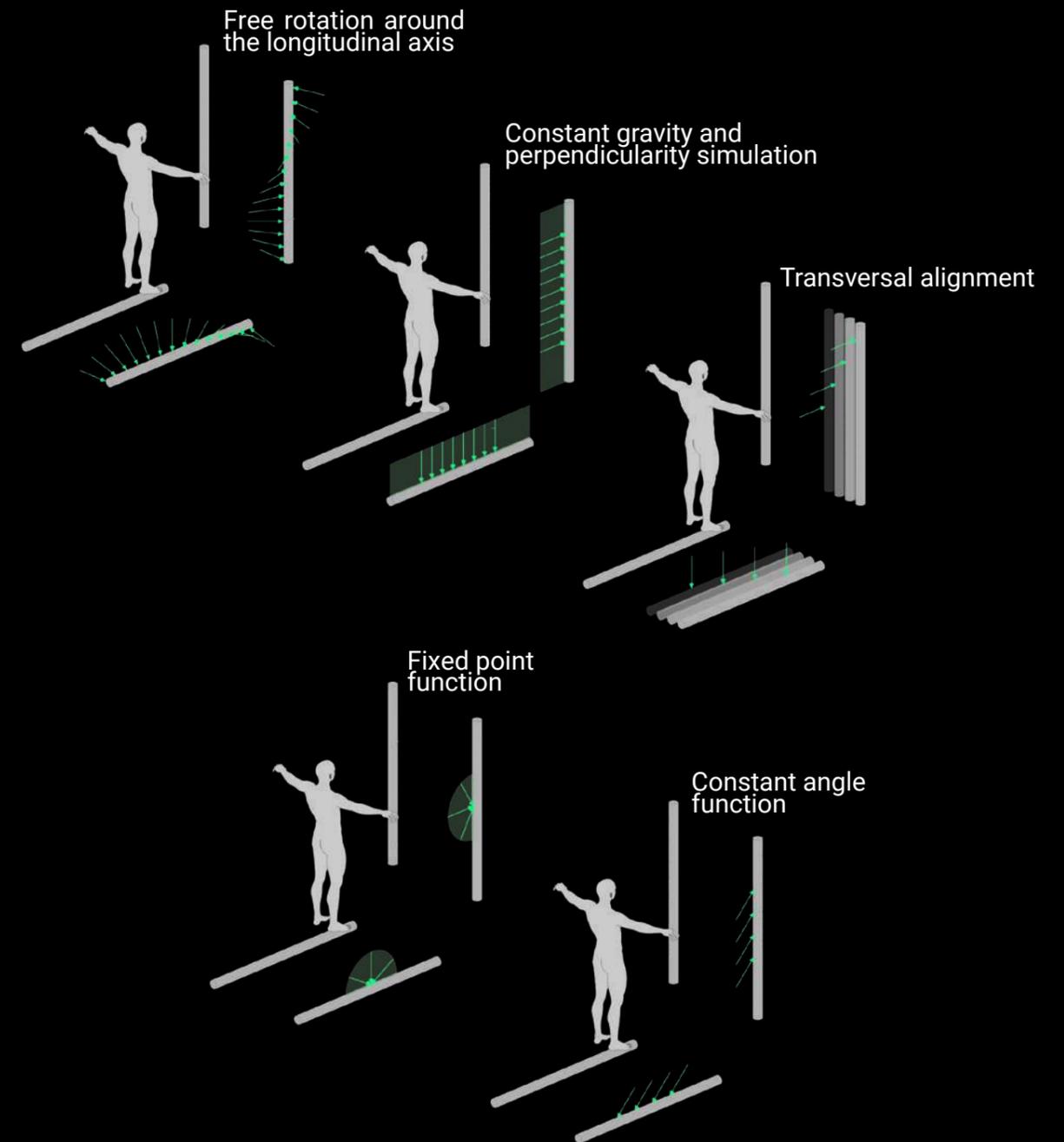
FREEDOM OF MOVEMENT

Thanks to this patented technology, the load of exercise is always perpendicular to the ground or in other directions for any training requirements. It is possible to set a variable angle from 0° to 45°, maintaining

then always constant the vector component, or set a fixed point of the cable exit. This allows you to fit the natural biomechanics of human body.



A NEW FORM OF THOUGHT



SINTESI is the ultimate solution to the numerous deficiencies, currently present on the market, of equipments of physical activity. The product has been studied and designed in order to help the user in a highly motivational path that allows a pure

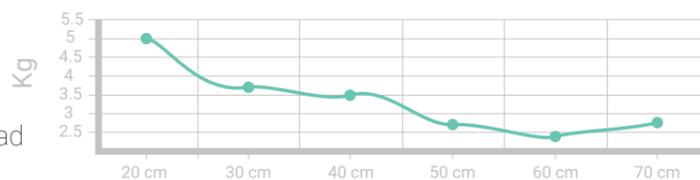
training through targets and which returns measurable results of quality, both in terms of performance and implementing rules of practice. SINTESI is able to make natural, pleasant and harmonious the muscle training.

FOR REHABILITATION

AN ADVANCED TOOL FOR ALL YOUR NEEDS

SINTESI, thanks to its technology, fits the needs of physiotherapists, psychiatrists and rehabilitation professionals. The load, being digital, can be set in steps of 50 grams, also allowing users with physical difficul-

ties of being able to more easily recover the movement function. The different, available load profiles allow to vary the intensity, dinamically, so as to facilitate, for example, the complete joint movement of an arm.



Example of how it is possible to adjust the load in relation to the excursion of the cable.

ACCESSIBLE TO EVERYBODY

PEOPLE WITH RESTRICTED MOBILITY CAN EASILY PRACTICE

The size of the platform (214 X 100 cm) allows people in wheelchairs to work out in full freedom and control.



FEEDBACK

IN REAL TIME

-  **FORCE**
-  **SPEED**
-  **POSTURE**
-  **POSITION**
-  **POWER**
-  **SYMMETRY**

APPLICATION

ANDROID TABLET

-  **BLUETOOTH CONNECTION**
-  **WIRELESS UPDATES**
-  **ZOOMABLE SCALE**
-  **SCREEN MIRRORING**
-  **MULTICOLOR CHARTS**
-  **INDEPENDENT SETUP OF MODULS**



LOAD PROFILES

WITH SINTESI YOU CAN SIMULATE MANY WORKING CONDITIONS, PERSONALIZING YOUR TRAINING, AS NEVER BEFORE



CONSTANT LOAD



ECCENTRIC LOAD



AUXOTONIC LOAD



MAGNETIC LOAD



VISCOUS LOAD



ISOKINETIC LOAD



VIBRANT LOAD



GUIDED MOVEMENT LOAD



ISOMETRIC LOAD

CST - The load is always constant and is not affected by the inertial influence of the load.

AUX - it progressively increases the load depending on the extension of the cable, reproducing the same feeling of an elastic with different levels of resistance.

ECC - It allows you to separate the load in the positive phase from the negative one. You can then increase or decrease the load in the eccentric phase.

VSC - The load varies according to the speed of execution, by setting the viscosity of a fluid. It simulates the same functionality of a rowing machine.

ISM - It produces a muscle contraction, even at its top, without any shortening of the muscles and moving of the joint.

VIB - The load varies randomly with adjustable frequency to create instability/ imbalance during the operation.

MAG - The load simulates the same magnetic attraction between two magnets that, the more are close to the zero point, the more the magnetic attraction increases.

ISC - The load shows a constant angular velocity motion, regardless of the applied force.

GMT - It sets the load directly with a dynamic curve according to the extension of the cable, by varying the weight in the proximity of specific points.



USER PROFILING

REGISTER AND MANAGE THE WORKOUT OF YOUR CUSTOMERS

The control interface of SINTESI allows you to create and manage a database of users, by setting personalized exercises.

For the users profiling, default programs and data export to Cloud, you need an account provided by AKUIS to access the services



TYPE OF EXERCISE

EXECUTION TIME

REPETITIONS NUMBER

SESSIONS BETWEEN USERS

TEMPI DI RECUPERO

DATA EXPORT

SYNCHRONIZE THE TRAINING DATA ON A CLOUD PLATFORM WITH A FUNCTIONALITY OF ADVANCED REPORTING

With the dedicated APP, you can save your workout data, with connection to a Cloud service. View and export the reports of each user from any browser (Desktop or Mobile).



THE ACCESSORIES

EXTEND THE POWER OF SINTESI WITH DIFFERENT ACCESSORIES

DOUBLE HANDLE



TRICEPS ROPE



ANKLE



SINTESI FOOTBOARD



SQUAT BELT



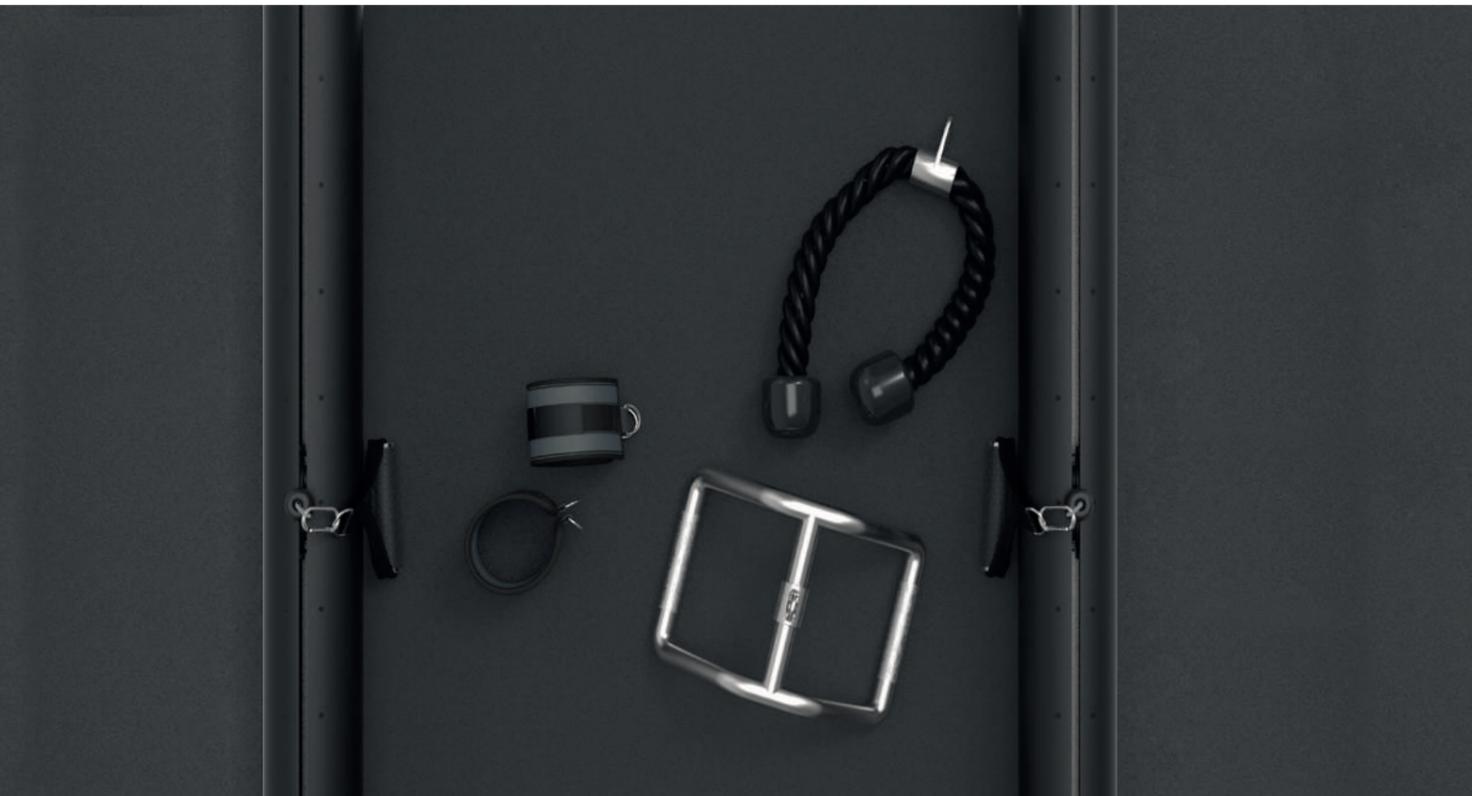
DO YOU HAVE A CORNER ?

EXPLOIT IT WITH SINTESI

The modularity of SINTESI allows to cover different areas that are usually not exploited as corners or columns.

The tubes, being rotating, can adapt to different kinds of use.

With SINTESI you can workout in 2 square meters of space.



POWER

The electric motor can generate a load up to 100 Kg (50 Kg per module)

EASY TO USE

Very intuitive and user friendly interface on the tablet

SAFETY

Thanks to the safety systems, load can be deactivated at any moment

SAVE TIME

Quick change between several exercises and different load levels

RECHARGEABLE BATTERY

It can be used without electrical connection on the wall outlet and recovers part of the energy produced by the user

VERSATILITY

It activates every muscle group using multiple accessories

REDUCED SPACE

A footboard with small dimensions

INDEPENDENT SETUP

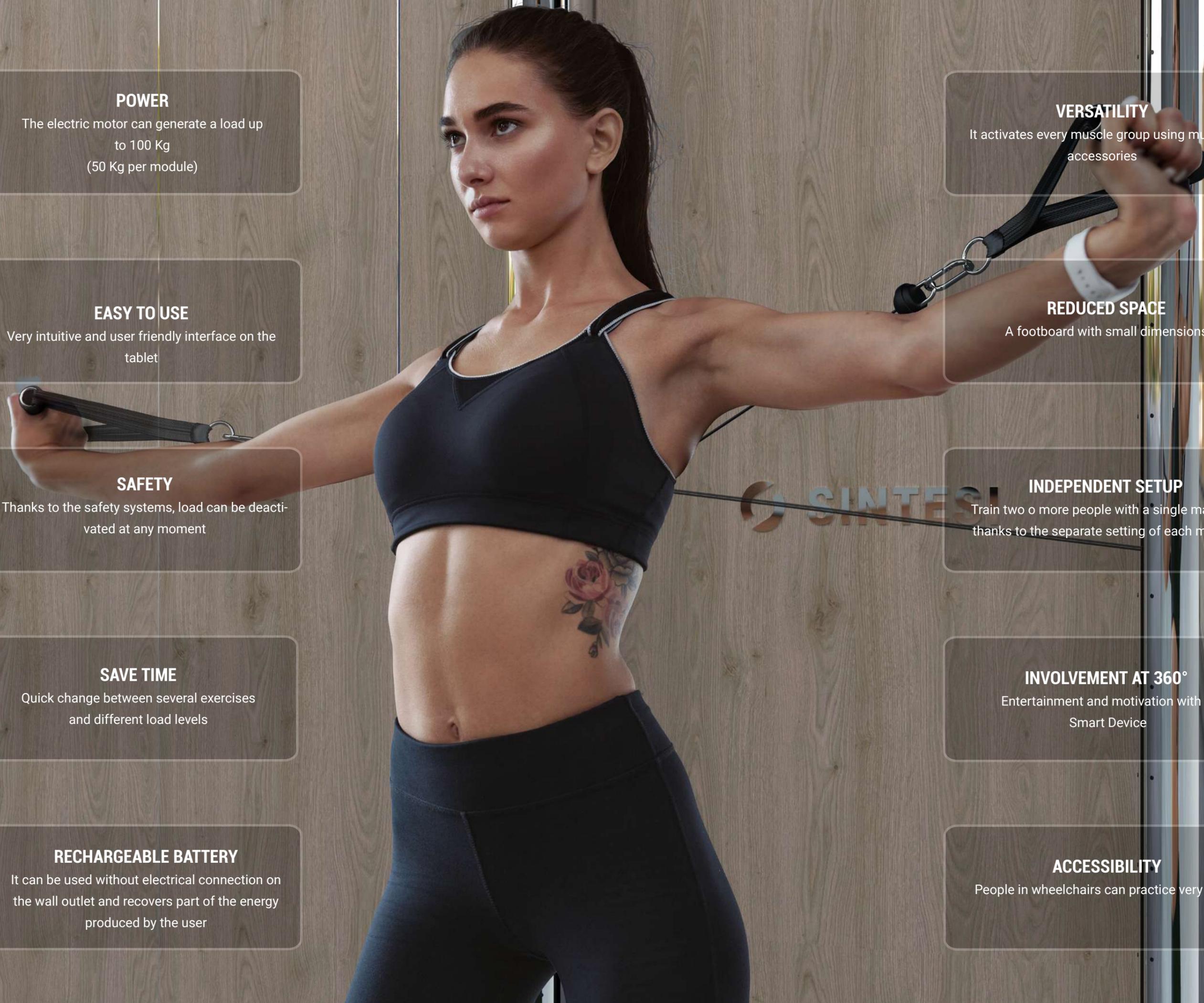
Train two or more people with a single machine thanks to the separate setting of each module

INVOLVEMENT AT 360°

Entertainment and motivation with a Smart Device

ACCESSIBILITY

People in wheelchairs can practice very easily



SHIPS & YACHTS

ELEGANT DESIGN FOR A LUXURY LOCATION

“

Semplicity is the keynote of true elegance.

Coco Chanel



HOTEL & SPA

EVEN THE EYE WANTS ITS PART

SINTESI is a real object of design that is suitable to be placed in sophisticated and refined contexts. You can enjoy the immense

functions of SINTESI, without stopping to compromises and ensuring the customers the best possible experience.

