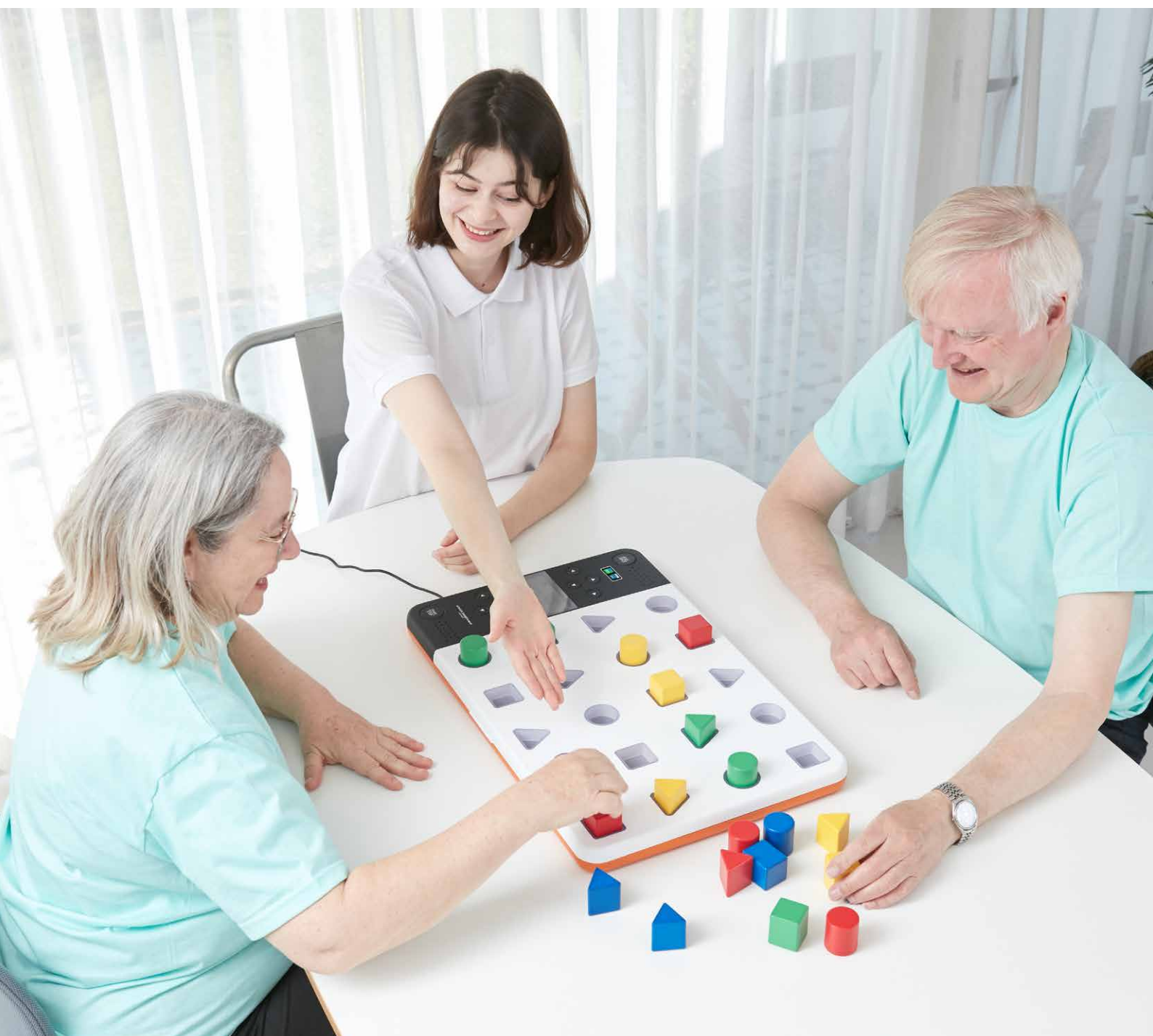


Active hand rehabilitation solution

Neofect Smart Pegboard



Neofect Smart Pegboard

Neofect Smart Pegboard provides visual and auditory feedback to motivate users through gamified training as they rehabilitate.



Concept

Restoration of hand mobility is very important for the self-reliance of patients with central nervous system disorders in their daily lives. Functions of hands involve reach, grasp, grip, pinch, carry, release, in-hand manipulation and so on. The pegboard is a great device for the trainings on these functions and enables sensorimotor training and eye-hand coordination training at the same time. A repeated and regular training routine is necessary for rehabilitation to enhance and maintain brain plasticity. The Neofect Smart Pegboard provides functional training routines with engaging visual and audio feedback. Cognitive factors that will improve the patient's attention, memory, problem solving abilities are applied to the training programs. This cognitive exercise is based on the development process of cognition. While following the trainings featuring the cognitive factors, patients will not only be focused but, also have a sense of accomplishment for finishing the task.



Neofect Smart Pegboard

- Digital rehabilitation**
- Gamification of training
 - Visual and auditory feedback
 - Display of training results
 - Cognitive components
- Optimized for motor recovery**
- Encourages repetition
 - Dexterity training
 - Sensorimotor training
 - Eye-hand coordination

Contents

There are more than 25 functional and cognitive training options. The result includes overall time, the number of pegs in the right place, success rate, and reaction time.

Training type	Purpose of training
Freestyle	Free Exploration
Row Completion	Task Performance
Shape Completion	Task Performance
Blackout	Task Performance
Randomizer	Task Performance
Smash a Mole	Reaction time
Snake Trap	Reaction time

Training type	Purpose of training
Visual Training 1	Visual tracking
Visual Training 2	Visual field
Shape Recognition	Shape sense
Memory Placement	Memory
Simon Says 1	Memory
Simon Says 2	Memory
Pathfinder	Problem solving ability
Find Home	Problem solving ability

Upper limb function training example

Shape Completion
Place the pegs to complete the shapes.



Snake Trap
Trap the snake's body with a peg while it moves.

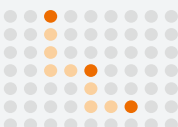


Cognitive training example

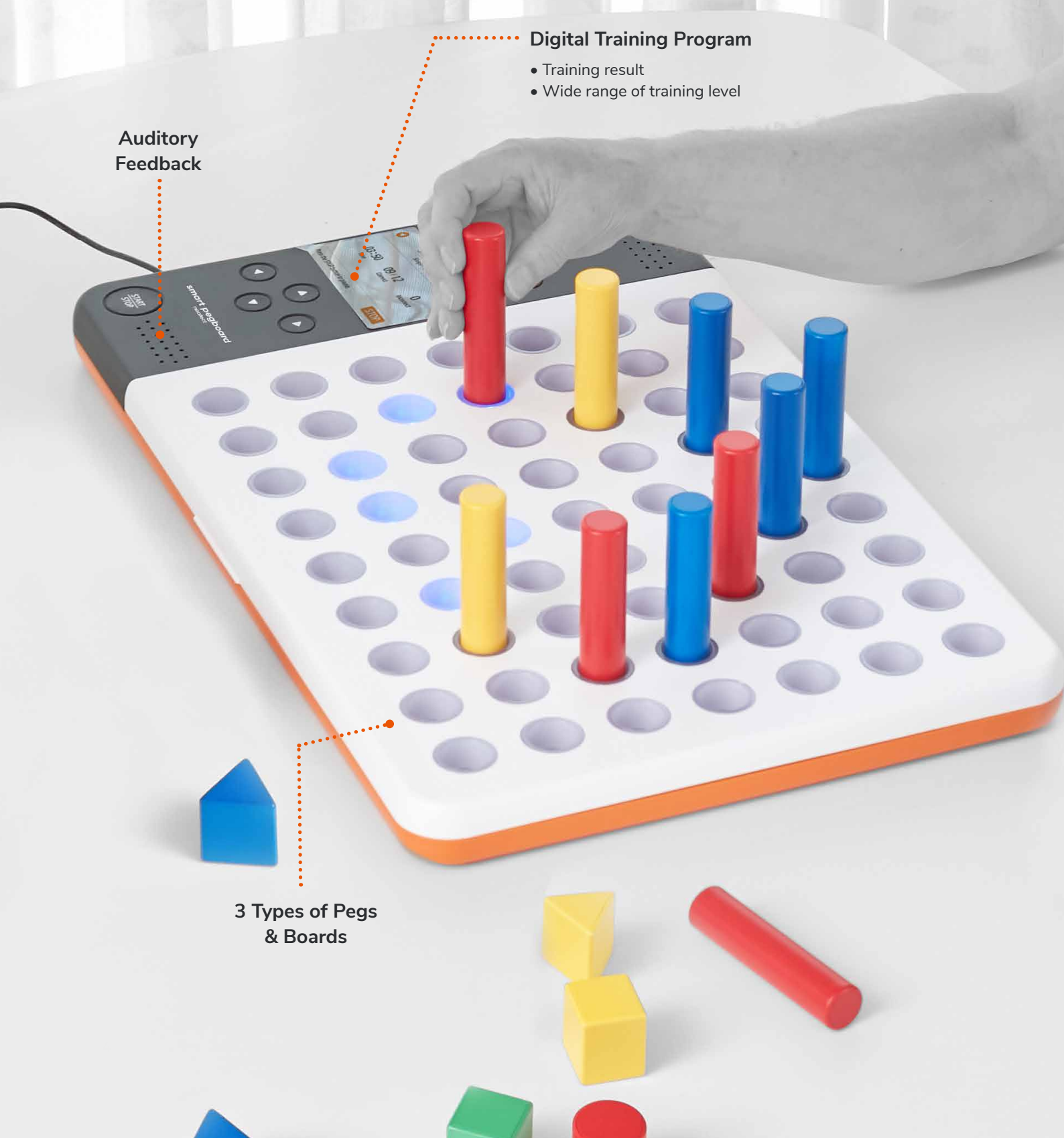
Memory Placement
Memorize the locations and place the pegs in the correct holes.



Pathfinder
Connect all three lights to make a path.

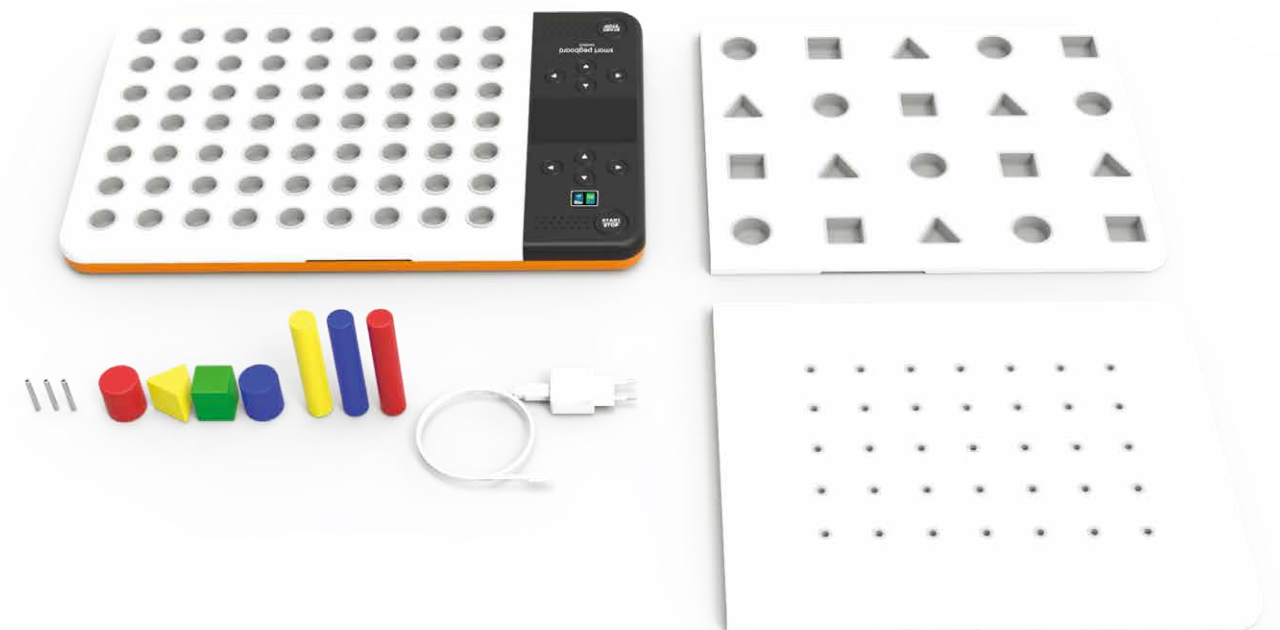


Smart Pegboard Hardware



Components

- Base Unit: 1 each
- Standard Board: 1 each
- Standard Pegs: 63 each
- Mixed Shape Board: 1 each
- Mixed Shape Pegs: 20 each
- Pinch Board: 1 each
- Pinch Pegs: 35 each
- Charger: 1 each
- Training Guide: 1 each



We inspire hope

We inspire you

No matter the challenges you may face, you still deserve to be the hero of your own life. You deserve to be happy.

Neofect exists for those who strive for the best life they can possibly live. Using breakthrough research and innovative technology, we can help you rediscover your purpose and live your best life.

Let us help you live your life on your own terms. You deserve it.