Neuro-MSX

MAGNETIC STIMULATOR

Neurosoft

High-frequency stimulation - up to 100 Hz

- Advanced liquid cooling technology
- Intuitive controls
- Advanced solution for depression treatment
- Built-in memory for preset protocols
- New generation of cooled coils

20 years of
EXPERIENCE

The first commercial transcranial magnetic stimulator developed in Neurosoft was launched into the market in 1996. Just 10 years after this technique was described in the scientific literature for the first time.

WE ARE HAPPY TO PRESENT   YOU OUR NEW NEURO-MSX

HIGHER STIMULATION FREQUENCY

The main unit of magnetic stimulator is capable to deliver pulses at up to 100 Hz frequency. At that the maximum intensity is achieved at up to 13-15 Hz frequency.
The extra power supply   unit makes it possible to increase the   stimulation frequency and obtain the maximum intensity at up to 25–35 Hz frequency. At the stimulation frequency of 50 Hz the intensity is obtained at 60% and it is clinically significant as the majority of patients have the motor threshold 45% and lower.

LIQUID COOLING SYSTEM

The cooling system is designed to avoid the coil overheating during long-term rTMS sessions. The advanced   method of active coil component   cooling is implemented in Neurosoft magnetic stimulators. The cooling liquid does not fill the whole coil, is runs inside the winding and therefore neutralizes the heat on-site. Besides, the less liquid is inside the coil, the easier and more comfortable it is to use it.

INTUITIVE C

Neuro-MSX

21°C

iTBS Depression

120%

MT 42%
stimulation

AFEC-02-100 ✳

00:02:57

DISPLAY

The display shows information about the parameters, the state of the system components and the coil.

CONTROLS

"TRIGGER" BUTTON

When the stimulator is armed, the pressing of "Trigger" button activates the single or repetitive stimulation depending on operational mode.

"STIMULATION PARAMETERS" KNOB

Press the knob to select parameter to be set and rotate it to adjust the value. Just simple like that!

NEURO-MS.NET SOFTWARE

The advanced PC software fully controls the stimulator via USB. The software keeps the patient database, contains preset treatment plan templates that can be easily customized, generates printable reports with full treatment history of the patient. The software is designed for touchscreen operation.

PRE-DEFINED TREATMENT PROTOCOLS

Treatment

Stroke 1 Hz		Mode	Train	
Depression 37 min		MT % output	120%	
Depression 19 min		Freq in Train	10.0 Hz	
Neuropathic pain		Pulses in Train	40	
Depression TBS		Pause	26 s	
		Train in Session	75	

⌚ 00:36:56
⊓ 3000

Up to 5 treatment/rehabilitation treatment protocols can be stored in the built-in memory. The protocols can be edited using the knob on the front device panel or via Wi-Fi. Probably MSX is going to be the first piece of IoT in your practice.

NEW STIMULATION PROTOCOLS - NEW POSSIBILITIES FOR PERIPHERAL NERVE STIMULATION

Treatment

RAMP test		Mode	Ramp
		MT % output	100%
		Freq in Train	10.0 Hz
		Ramp up	10.0 s
		Plato duration	10 s
10 s		Ramp down	10.0 s
		Pause	10.0 s
		Train in Session	100
⌚ 01:06:30		⊙ Back	
⊓ 10000			

Ramp powered mode with adjustable ramp-up, ramp-down and plateau time.

Treatment

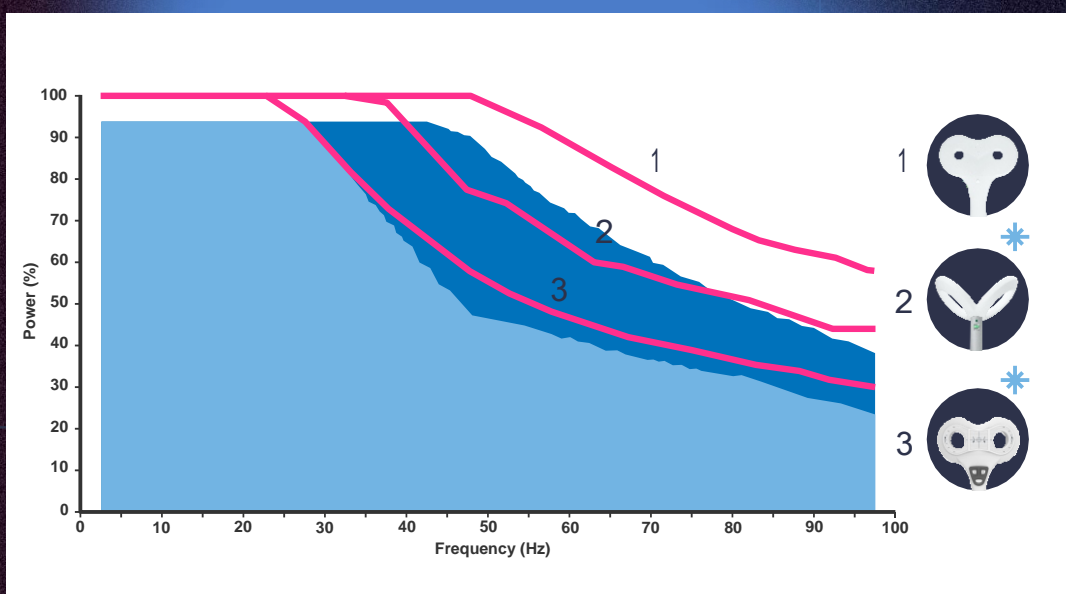| SWEEP test		Mode	Sweep
		MT % output	100%
30.0 Hz		Freq Lower	1.0 Hz
		Freq Upper	30.0 Hz
		Sweep Up	3.0 s
100		Plato duration	2 s
		Sweep Down	3.0 s
		Pause	2.0 s
⌚ 00:01:38		Trains in Session	10
⊓ 700		⊙ Back	

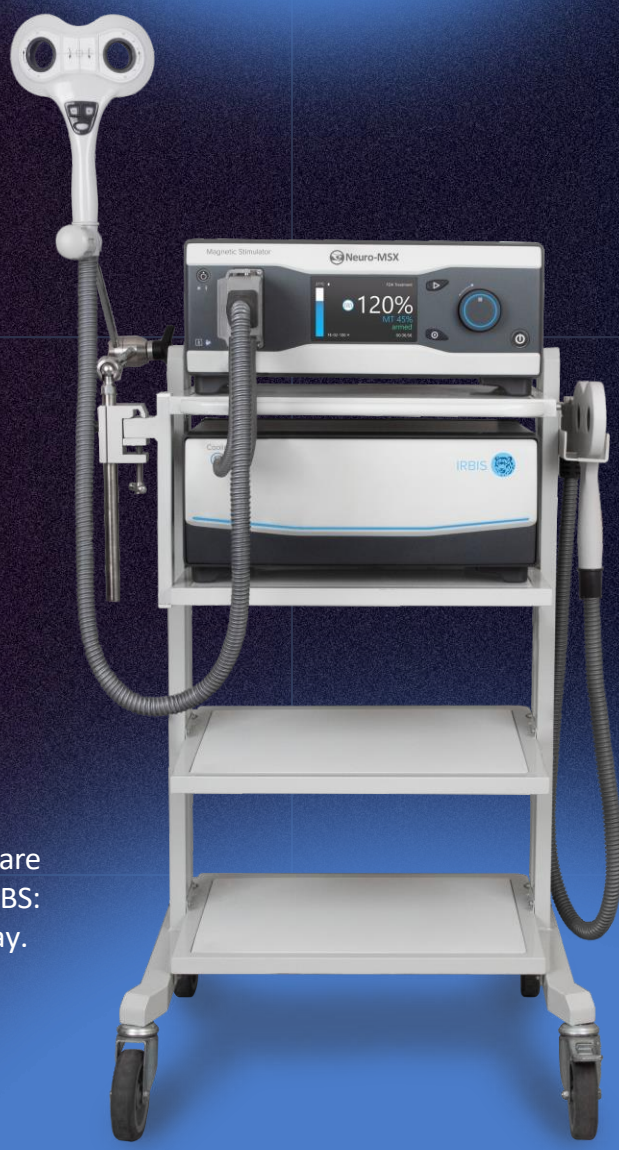Sweep frequency mode with adjustable rising, falling and plateau frequency time.
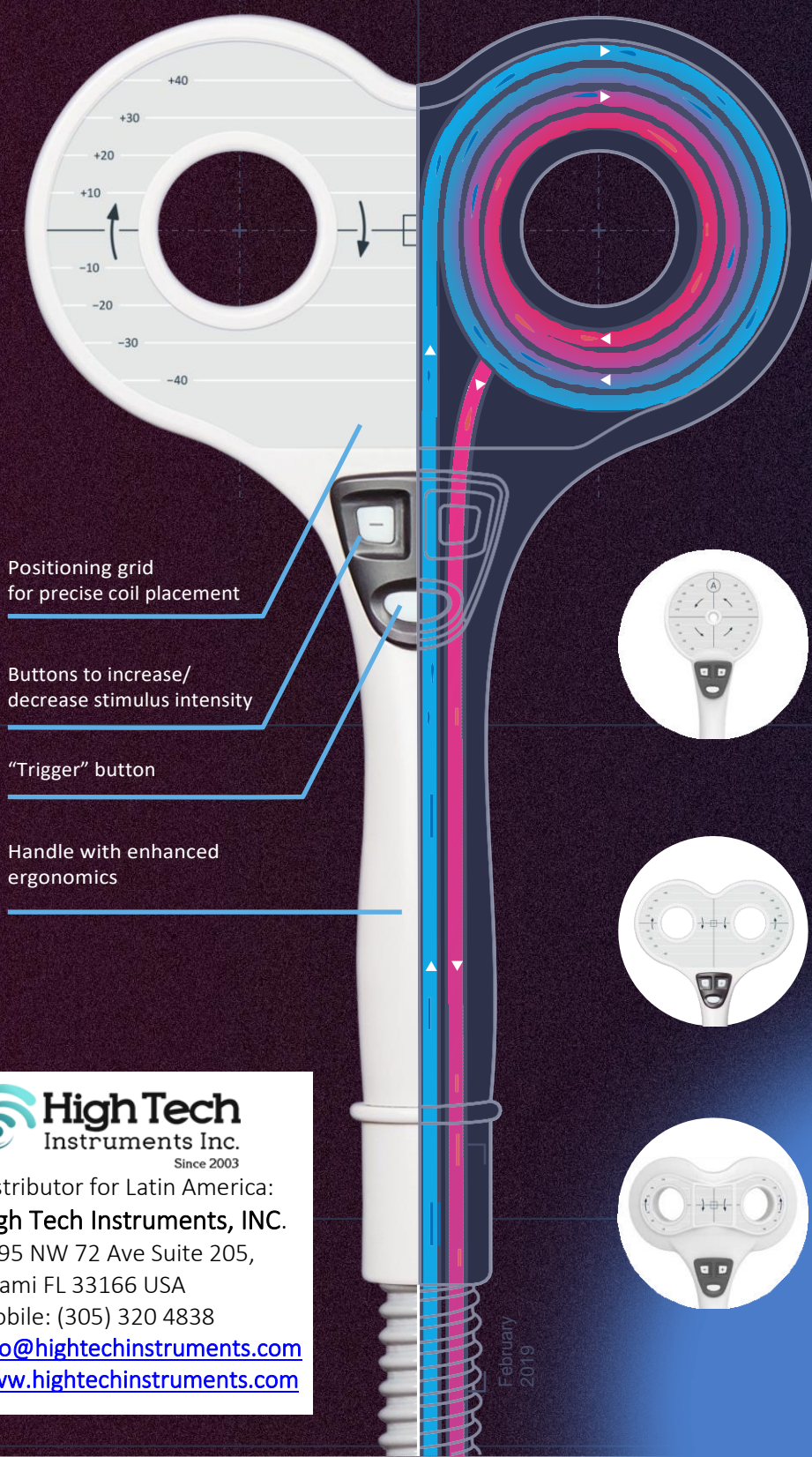
HIGH REPETITION RATE

*With extra power supply unit.

ENHANCED SOLUTION FOR DEPRESSION TREATMENT

From now just two units (main and cooling) are enough for depression treatment. Real TBS: continuous stimulation with no stimulus delay.

NEW GENERATION OF COOLED COILS

Positioning grid
for precise coil placement

Buttons to increase/
decrease stimulus intensity

"Trigger" button

Handle with enhanced
ergonomics

RC-03-125-C
Big ring coil

cortical and peripheral stimulation
(cervical, lumbosacral nerve roots,
pudendal nerve)

- stimulation of deep nerves

FEC-03-100-C
Figure-of-eight coil

- focused cortical and peripheral
  stimulation
- gold standard for TMS

AFEC-03-100-C
Angulated figure-of-eight coil

- deep cortical stimulation
- anatomic shape being congruent
  to head shape ensures closer fitting
  to the patient's head
- accurate focusing

February 2019