



AI
Powered
Technology

HIGH-TECH NEW GENERATION MESOPENGUN

ACHIEVE ALL
MESOTHERAPY
PROTOCOLS
WITH MPGUN !



mpgun[®] MESOPEN
GUN

WHAT MAKES MPGUN SO SPECIAL?

MPGUN is designed for safe and comfortable injections e.g. (mesotherapy, PRP, exosome, stem cells, skin boosters) injections with an accurate application.



LEVERAGING AI FOR OPTIMAL OUTCOMES

The artificial intelligence software used in MPGUN is integrated to improve the performance of the PID* control algorithm and further optimize the injection process. The AI** continuously monitors and analyzes factors such as fluid pressure, injection speed and tissue reactions in real time. As a result of these analyses, optimized control signals are generated at each stage of the injection process, thus increasing the precision and efficiency of the injection.

* PID: Proportional,Integral,Derivative

** AI: Artificial Intelligence

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FAST AND INTELLIGENT ADAPTATION

Artificial intelligence can quickly adapt to changing conditions and optimize the injection process in real time.

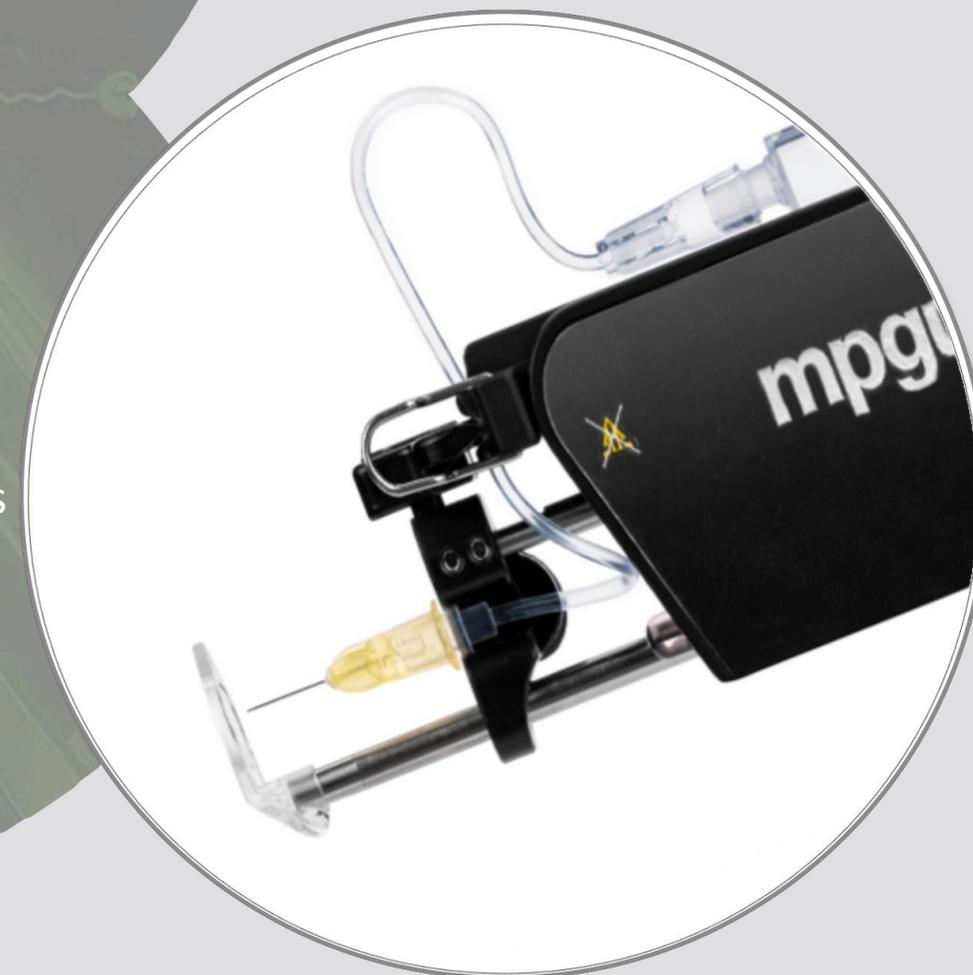
PERSONALIZED INJECTION SETTINGS

Artificial intelligence can automatically adjust the injection parameters according to the preferences of users and the needs of the patient.^{1,2.}

ERROR PREVENTION AND SAFETY

Artificial intelligence can identify potential error situations and safely manage the injection process.

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REFERENCE

1. Astrom, K.J., & Hagglund, T. (1995). PID Controllers: Theory, Design, and Triangle Park, NC: Instrument Society of America.
2. Ogata, K. (2010). Modern Control Engineering. Upper Saddle River, NJ: Prentice Hall.

COMMON USES OF MESOTHERAPY WITH MPGUN



Hair loss
treatments



Face
Rejuvenation



Body
Contouring
(Cellulite and
regional
thinning)
treatment



Hyperpigmentation
and skin spots
treatment



Striae and
scar
treatment



All skin
mesotherapy
protocol



ADVANTAGES OF MPGUN



Provides convenience to the practitioner in terms of injection amount and depth



Reduces mesotherapy product consumption



Provides more effective and faster mesotherapy sessions.



Increased patient compliance - painless compared to manual injections



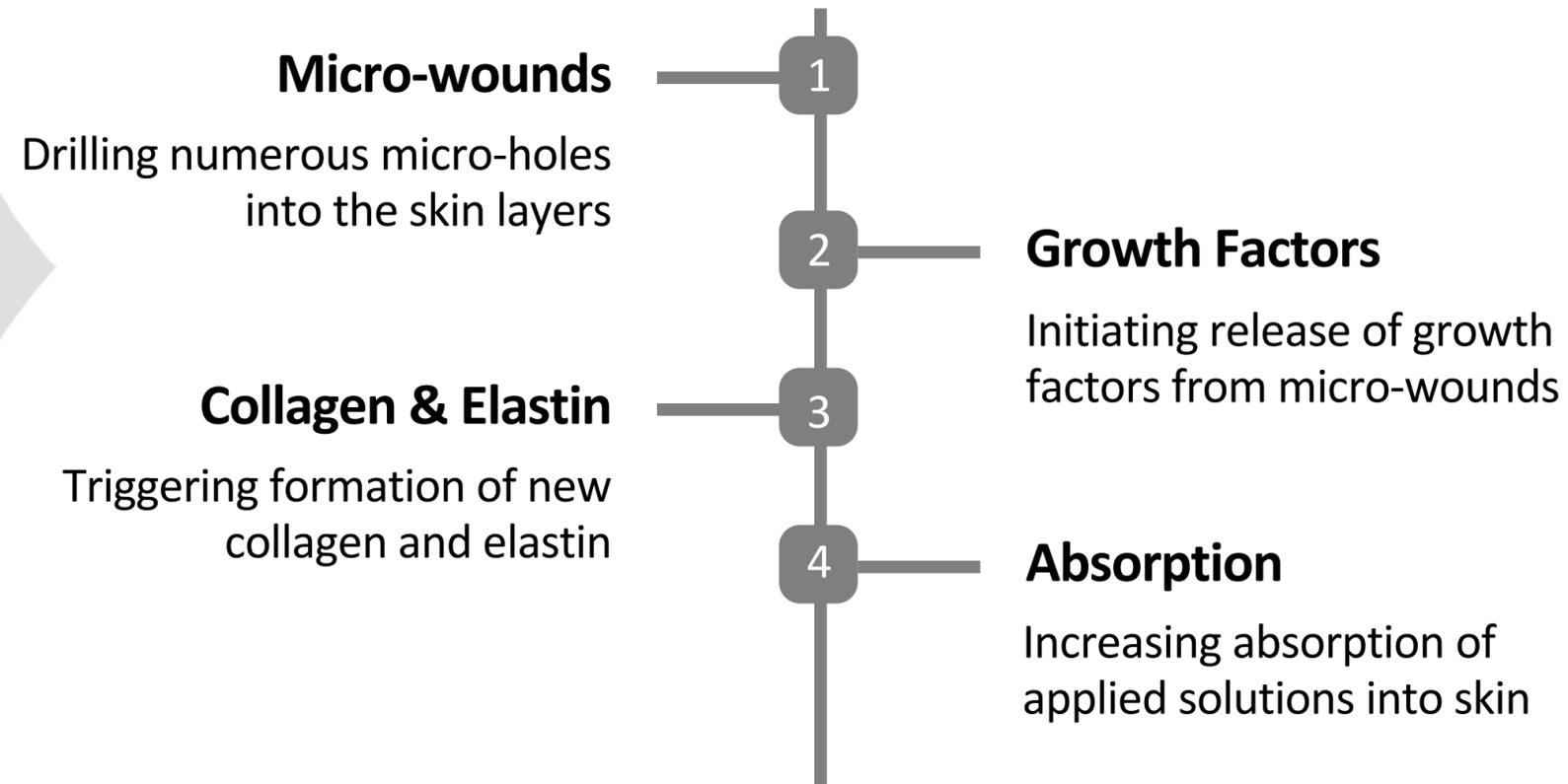
User-friendly approach



STANDBY Mode



MICRONEEDLING TECHNIQUE



1. Hou A, Cohen B, Haimovic A, Elbuluk N. Microneedling: A Comprehensive Review. Dermatol Surg. 2017 Mar;43(3):321-339. doi: 10.1097/DSS.0000000000000924. PMID: 27755171.

HIGH PERFORMANCE WITH ELECTRONICAL SYSTEM

1 Injection Speed

Max 1500 injections / min
in PEN mode

Max 700 injections / min
in GUN mode

2 High Penetration

High penetration speed

NO COMPRESSOR!



USER-FRIENDLY MENU

ADJUSTABLE FREQUENCY, PRESSURE AND DEPTH PARAMETERS

GUN MODE	GUN MANUAL MODE	PEN MODE
PRESS: 0-100	PRESS: 0-100	PRESS: 0-10
FREQ: 20-700	FREQ: 0	FREQ: 1200-1500
DEPTH: 0.5 mm–10mm	DEPTH: 0.5 mm–10mm	DEPTH: 0.5mm–3mm



MEMORY OPTIONS

10 DIFFERENT RECORDABLE MEMORY

GUN MODE

User Memo

Face

Nappage

Lipolytic

Hair

Cellulite

PEN MODE

User Memo

Program 2

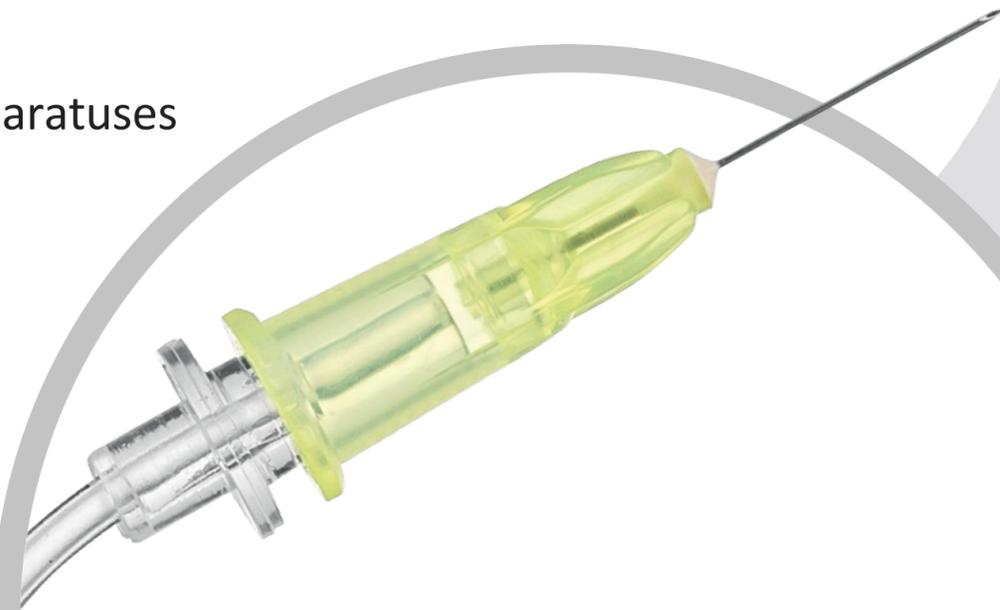
Program 1

Program 3



DISPOSABLE NEEDLE KIT

Special hair and body application apparatuses



KIT **mpgun**[®] NEEDLE
KIT

27G x 12mm
30G x 12mm
31G x 12mm

CE FDA registered
2195

EASY TO CARRY

Lightweight special design bag allows the practitioners to carry their devices.

NO COMPRESSOR!



TECHNICAL INFORMATION OF MPGUN

OPERATION MODE	GUN/PEN
DRIVING	ELECTRICAL
CLASS	BF
INJECTION DEPTH	0.5 - 10 MM (0.1 MM PRECISION)
OPERATION FREQUENCIES (PULSE/MIN) PEN	1200 - 1500 (100 PULSE/MIN PRECISION)
OPERATION FREQUENCIES (PULSE/MIN) GUN	20 - 700 (20 PULSE/MIN PRECISION)
ADAPTER INPUT VOLTAGE (V)	100 - 240V AC/50 - 60 HZ.
ADAPTER INPUT CURRENT (A)	1A
ADAPTER OUTPUT VOLTAGE (V)	44V DC-10 - 10V DC
CURRENT (A)	2.5A - 2A
CIRCUIT BRAKER INFORMATION	3.15A
DIMENSIONS (LXHxD)	255X145X30
WEIGHT (KG)	0.58
WARRANTY (YEARS)	1

ELIMINATION
PRODUCT
CONSUMPTION
WITH OPTIMIZED
PARAMETERS!



mpgun[®] MESOPEN
GUN

PROTOCOL SUGGESTION: HAIR MESOTHERAPY

Point By Point Application	Nappage
Depth: 2-2,5mm	Depth: 0,5-1,5mm
Freq: 0-60	Freq: 300-1500
Press: Starting with 20%	Press: 10% - 20 %

Press adjustment should be identified by professional ; based on skin properties, products viscosity and the needle size



PROTOCOL SUGGESTION: FACE / NECK MESOTHERAPY

Point By Point Application	Nappage
Depth: 2-2,5mm	Depth: 0,5-1,5mm
Freq: 0-60	Freq: 100-700
Press: Starting with 20%	Press: Starting with 10%

Press adjustment should be identified by professional; based on skin properties, products viscosity and the needle size



PROTOCOL SUGGESTION: PERIORBITAL AREA MESOTHERAPY

Point By Point Application	Nappage
Depth: 0,5-1 mm	Depth: 0,5-0,7mm
Freq: 0-20	Freq: 100-200
Press: Starting with 10%	Press: Starting with 5%

Press adjustment should be identified by professional; based on skin properties, products viscosity and the needle size



PROTOCOL SUGGESTION: HIPERPIGMENTATION (SKIN SPOT)

Point By Point Application

Depth: 1-3mm

Freq: 0-20

Press: Starting with 10%

Depth adjustment should be done based on the pigmented area.

Press adjustment should be identified by professional; based on skin properties, products viscosity and the needle size



PROTOCOL SUGGESTION: LIPOLYSIS /CELLULITE TREATMENT

Point By Point Application

Depth: 4 – 10 mm

Freq: 0-20

Press: Starting with 20%

0,1-0,6ml lipolytic product injection in each point is suggested for the targeted treatment.

Press adjustment should be identified by professional; based on skin properties, products viscosity and the needle size



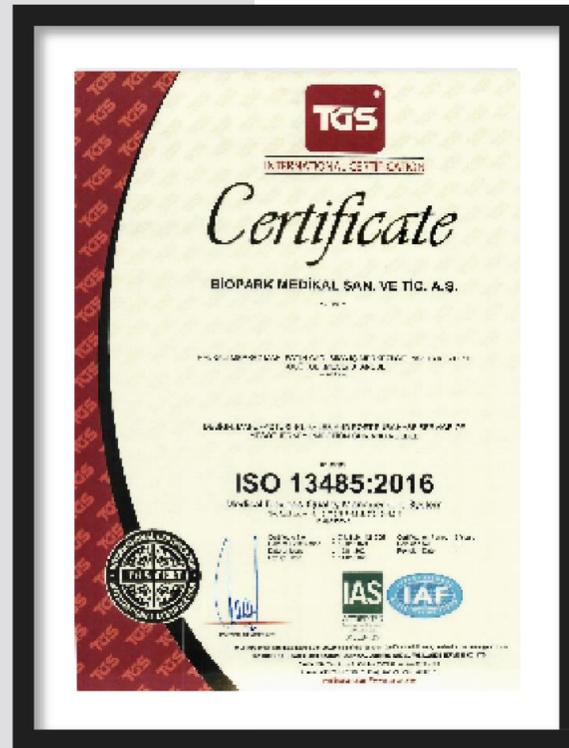
PROTOCOL SUGGESTION: SCAR TREATMENT

Pen Mode Application	Point By Point Application	Nappage
Depth: 0,5 – 2 mm	Depth: 2-3mm	Depth: 1-1,5mm
Freq: 1200 - 1500	Freq: 20-60	Freq: 300-700
Press: Starting with 5%	Press: Starting with 20%	Press: Starting with 10%

Press adjustment should be identified by professional; based on skin properties, products viscosity and the needle size



CERTIFICATE



Thank you!



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