HC⁶

LA&HA Doctor's Notes

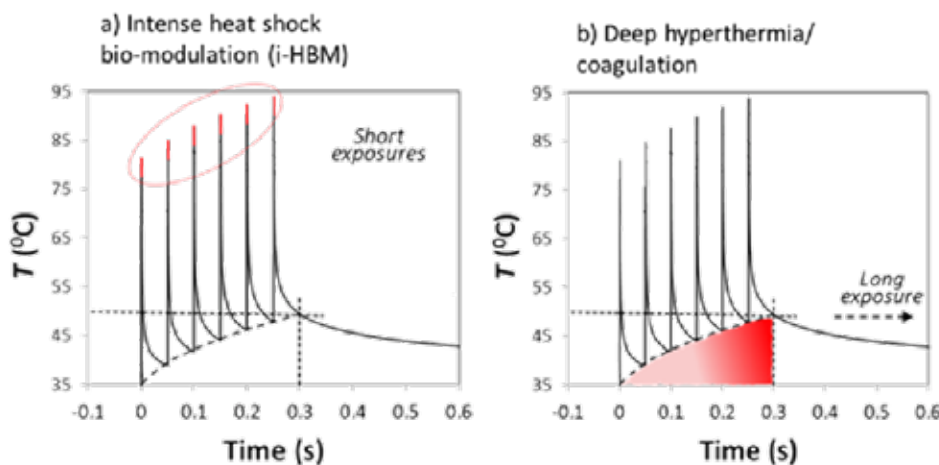## HoneyComb™ Lift

HoneyComb™ Lift

Fotona's HoneyComb Lift protocol is an innovative approach to face and neck tightening using the Fotona SMOOTH® modality in combination with the T-Runner® scanner and the unique HoneyComb (HC^6) optics.

HoneyComb Lift is designed to target specific areas of the face with varying intensities, maximizing tightening and lifting effects for a rejuvenated appearance. The optimal patient is one with skin laxity, where the best tightening results can be achieved. It is recommended for the patient to undergo at least three sessions of HoneyComb Lift treatment with four week intervals.
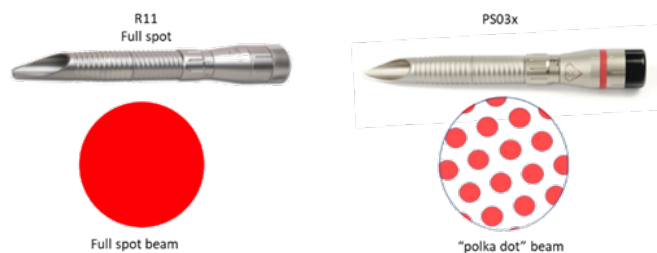
Mechanism of Action

The uniqueness of Fotona SMOOTH® treatments is based on the dual heat delivery of the non-ablative Er:YAG SMOOTH mode, resulting in two very distinct types of tissue reactions at different tissue depths.

    a)   Intense Heat-Shock Biomodulation (i-HBM): high peak temperatures above 70 ^{o}C within the thin superficial tissue layer that last for a very short time (FAST exposure);

    b)   Deep hyperthermia/coagulation: lower levels of gradually increasing deeper heat deposition with a longer exposure time (SLOW exposure).
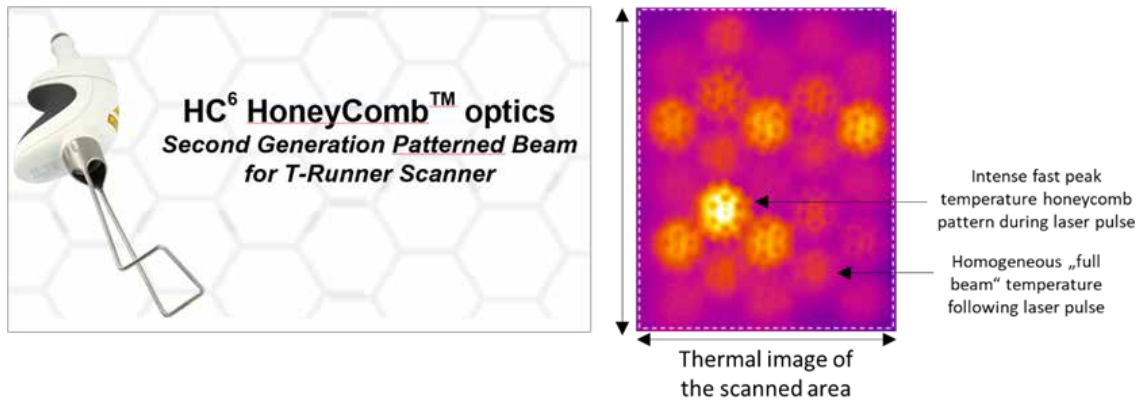

The dual heat mechanism is most optimal when laser energy delivery is localized within an optimally designed beam pattern. For this reason, Fotona's selection of manual handpieces includes a patterned PS03X handpiece in addition to the full-beam R11 handpiece.

With the PS03X patterned-beam handpiece, the heat shock triggering effect is intensified within the "polkadot" pattern while the long exposure bulk temperatures remain the same.
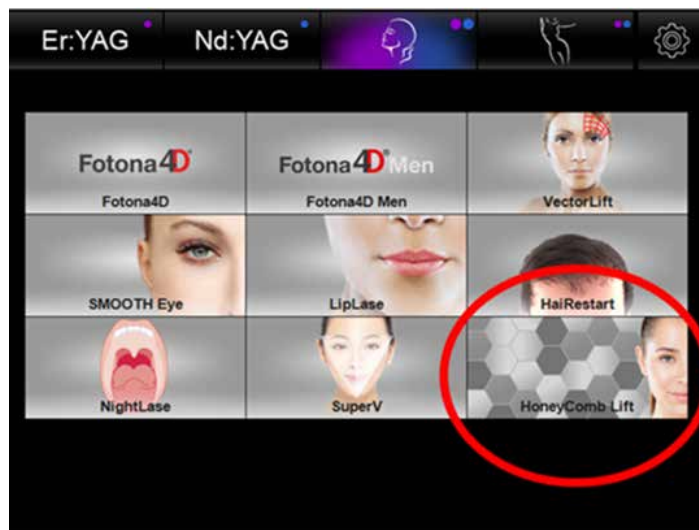
Until recently, this patterned beam delivery option had only been available with manual handpieces. With the unique HoneyComb optics technology, however, patterned beam delivery is now available also with Fotona's T-Runner scanner. By simply screwing the special new HC[6] honeycomb optics assembly onto the output of any standard T-Runner, patterned treatments can now be performed in a very fast and precise scanned manner.

The novel HC[6] HoneyComb beam pattern technology mimics the honeycomb pattern frequently observed in nature due to its most spatially efficient design.
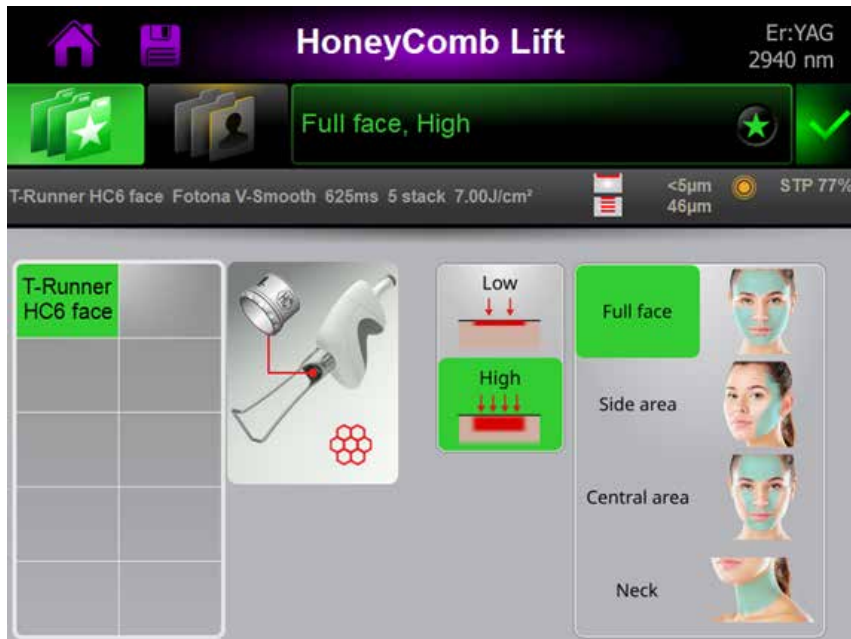
The HoneyComb™ Lift Protocol

HoneyComb Lift facial and neck treatments are performed using the T-Runner scanner equipped with the HC[6] optics and the short ("Facial") spacer. For ease of use, the treatment protocol is provided in the form of guided pre-sets on the touchscreen's user interface.

The user starts the guided parameter selection by pressing the HoneyComb Lift icon.

Upon selecting the HoneyComb Lift icon on the opening screen, the user will open the HoneyComb Lift screen, where treatments for the face or neck can be selected with options for high or low pre-sets. Users should choose the high presets when the goal is a maximum tightening effect for significant skin laxity on the face and/or neck and the patient can tolerate the high settings. If the patient can't tolerate the high presets or the skin laxity is less pronounced, then the low presets can be selected for a more comfortable experience.

For facial treatments, the protocol offers three distinct settings tailored for different facial areas, ensuring precise and effective tightening. There is also an optimized setting designed for neck treatments. HoneyComb Lift can also be used in combination with other facial treatments.
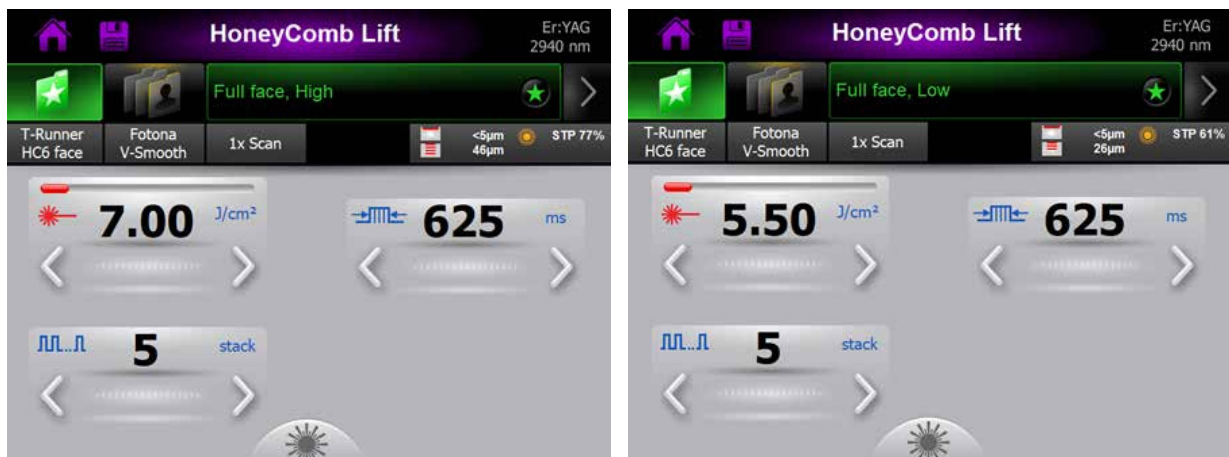

The user starts the guided parameter selection by pressing the HoneyComb Lift icon.

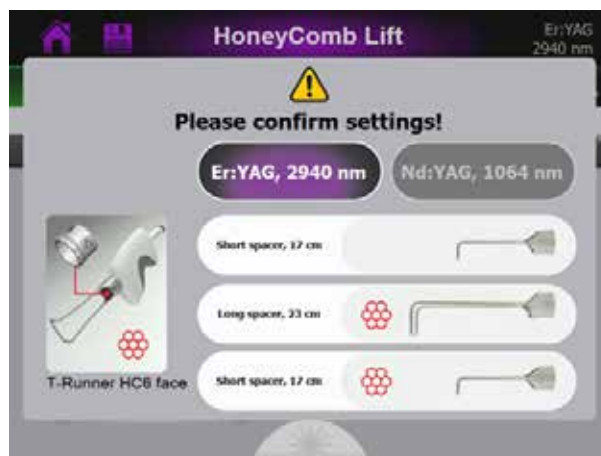The following parameters are provided as factory pre-sets for the above treatment choices.

FULL FACE	FACE SIDE AREA • Temporal area • Zygomatic area • Mandibular area	FACE CENTRAL AREA • Forehead • Malar area • Perioral area & lips
Presets: LOW: 5,5 J/cm², 5 stacks, 625 ms HIGH: 7 J/cm², 5 stacks, 625 ms - 1 pass	Presets: LOW: 8 J/cm², 10 stacks, 625 ms HIGH: 10 J/cm², 10 stacks, 625 ms - 2 passes	Presets: LOW: 7 J/cm², 10 stacks, 500 ms HIGH: 8 J/cm², 10 stacks, 500 ms - 1 pass

NECK
Presets: LOW: 7 J/cm², 10 stacks, 625 ms HIGH: 8 J/cm², 10 stacks, 625 ms - 1 pass

Examples of presets for either high-intensity or low-intensity treatment. In this window, the user can select also any other parameter by changing the provided preset values. In case any of the preset values are modified, an exclamation mark will appear in order to warn the user that expert settings are being selected.

After entering the ready mode, a confirmation window will conveniently appear to remind the user to ensure proper settings by confirming which optics and spacer are installed on the T-Runner. Ensure that the HC^6 optics and short spacer are installed and select this combination on the screen.

Convenient reminder for the user to ensure the proper optics and spacer are installed.

Now you are ready to start the treatment!