QUANTUM MOLECULAR RESONANCE GENERATOR
ENT ALL IN ONE SYSTEM

Research and development for your health
THE TECHNOLOGY

A specific combination of several frequencies (quantized spectrum of frequencies) produces the cutting effect thanks to a resonance involving the soft tissues by breaking up the cellular molecular bindings. By generating frequencies off-resonance, so as to slightly increase the temperature, denaturation processes of the fibrinogen are activated; the fibrinogen transforms therefore into fibrin and by doing so it leads to the coagulation of blood without thermal damaging the vessels. Furthermore, Quantum has an impedance feedback control system which indicates, by emitting a sound, when the coagulation is complete.

QUANTUM ADVANTAGES

- Minimally invasive electrode
- Very low working temperature
- No necrotic tissue or thermal damage
- Less post-operative pain
- Reduced duration of surgery
- Decreased intra-operative blood loss
- Precise removal of tissue in a practically bloodless field
- Acoustic feedback
- Better healing of the tissue
- Lasting results
- Mono and bipolar output
- Wide range of disposable electrodes
- Reusable non stick bipolar forceps and bipolar scissors
- Concurrent coagulation and tissue dissection
- Safe
**QUANTUM MOLECULAR RESONANCE GENERATOR**

Supply Connection: 120V~60Hz  
Max Input Power: 550VA  
Quantized High Frequencies Spectrum: 4 MHz with harmonics  
Duty Cycle: 10s ON / 30s OFF  
OUTPUT POWER:  
- Cut 120W/400Ω  
- Cut/Coag 100W/400Ω  
- Coag 70W/400Ω  
- Bipolar 60W/100Ω

| CODE | 2501019 |

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**SINGLE ELECTRIC PEDAL**

Cable’s length: 4 m

| CODE | 2504011 |

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**ADAPTER FOR DISPOSABLE PLATES**

Cable’s length: 4.5 m

| CODE | 2505013 |

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**WIRED TROLLEY**

Dimensions: 500x400x930mm

| CODE | 2507002 |

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**SINGLE-USE NEUTRAL PLATES**

For patients with weight:  
- Adults (>15kg)  
  - pcs per box 20  
  - CODE 2503003
Single use bipolar accessories

**TUR-BI PROBE**
Single needle Bipolar probe for soft tissue volumetric reduction

**Code**
2615001 - box of 5 pcs

**TUR-BI PROBE SHORT VERSION**
Single needle Bipolar probe for soft tissue volumetric reduction

**Code**
2615006 - box of 5 pcs

**UVO-BI PROBE**
Single needle Bipolar probe for soft tissue volumetric reduction

**Code**
2615002 - box of 5 pcs

**TONGUE-BI PROBE**
Single needle Bipolar probe for soft tissue volumetric reduction

**Code**
2615005 - box of 5 pcs

**TONX-BI PROBE**
2-PIN Bipolar probe for soft tissue volumetric reduction

**Code**
2602046 - box of 5 pcs
**Reusable bipolar accessories**

**GALILEO SCISSORS**
(with connection cable)

- Tip type: narrow
- Cable length: 3 m
- Length: 140 mm
- Length: 175 mm

**CODE** 2601018

- Length: 175 mm

**CODE** 2601027

**45° ANGLED BIPOLAR FORCEPS**
(with connection cable)

- Tip type: Angled 45° IN
- Length: 180 mm
- Tip's width [mm]: 1.00 mm
- Cable length: 3 m

**CODE** 2601026

**45° ANGLED BAYONET BIPOLAR FORCEPS**
(with connection cable)

- Tip type: Angled 45° IN
- Length: 200 mm
- Tip's width [mm]: 1.00 mm
- Cable length: 3 m

**CODE** 2601028

**BAYONET BIPOLAR FORCEPS**
(with connection cable)

- Length: 180 mm
- Tip's width [mm]: 1.00 mm
- Cable length: 3 m

**CODE** 2601015
<table>
<thead>
<tr>
<th>Monopolar single use accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ELECTRODE WITH ASPIRATION</strong></td>
</tr>
<tr>
<td>Diameter: 4 mm</td>
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<tr>
<td>CODE</td>
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<tr>
<td>2614001 - box of 5 pcs</td>
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<tr>
<td><strong>DRB ELECTRODE WITH ASPIRATION</strong></td>
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<td>Diameter: 4 mm</td>
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<td>CODE</td>
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<td>2614004 - box of 5 pcs</td>
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<td><strong>ELECTRODE WITH ASPIRATION</strong></td>
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<td>Diameter: 4 mm</td>
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<tr>
<td>2614005 - box of 5 pcs</td>
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<tr>
<td><strong>BENDER</strong></td>
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<tr>
<td>CODE</td>
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<tr>
<td>2614002</td>
</tr>
<tr>
<td><strong>HANDLES</strong></td>
</tr>
<tr>
<td><strong>SINGLE-USE SPHERE</strong></td>
</tr>
<tr>
<td>Electrode length: 200 mm</td>
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<tr>
<td>Sphere diameter: 0.5 mm</td>
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<tr>
<td>CODE</td>
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<tr>
<td>2604035 - box of 5 pcs</td>
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<tr>
<td><strong>SINGLE-USE SHARP BLADE</strong></td>
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<td>Electrode length: 200 mm</td>
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<td>Sphere diameter: 1.6 mm</td>
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<td>CODE</td>
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<tr>
<td>2605020 - box of 5 pcs</td>
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<tr>
<td><strong>REUSABLE FOOTSWITCH HANDLE</strong></td>
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<tr>
<td>Cable’s length: 3 m</td>
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<tr>
<td>CODE</td>
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<td>2502001</td>
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</table>
Monopolar single use electrodes

**MONOPOLAR SINGLE USE ELECTRODES FOR MICROSURGERY OF MIDDLE EAR**

<table>
<thead>
<tr>
<th>Electrode for Incision</th>
<th>Dimension: Ø = 0.40 mm - Lf=2 mm</th>
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<tbody>
<tr>
<td><strong>CODE</strong></td>
<td>2602051 - box of 5 pcs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Spoon-Shape Scalpel Medium Section</th>
<th>Dimension: Ø = 1.50 mm</th>
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</thead>
<tbody>
<tr>
<td><strong>CODE</strong></td>
<td>2605010 - box of 5 pcs</td>
</tr>
</tbody>
</table>

- Tympanomeatal incision
- Dissection
- Incision
- Rimotion of cholesteafoma

**MONOPOLAR HANDLES**

| Handle (with blade) | Blade dimension: 2x20 mm  
<table>
<thead>
<tr>
<th></th>
<th>Electrode length: 25 mm</th>
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<tr>
<td><strong>CODE</strong></td>
<td>2502012 - box of 5 pcs</td>
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</table>

| Handle (with ball)  | Ball diameter: 2 mm  
<table>
<thead>
<tr>
<th></th>
<th>Electrode length: 70 mm</th>
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<tbody>
<tr>
<td><strong>CODE</strong></td>
<td>2502019 - box of 5 pcs</td>
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REFERENCE LIST