Erbium:YAG Surgical Laser
CTL 1601 - Azuryt Plus Frax
2940nm - 15W + 635nm - 5mW

Basic functional advantages

- Non-contact, bloodless surgeries with clear view of operative field
- Precise control of surgery
- Minimal post operative oedema
- Quick wound healing
- Maximum patient and doctor comfort
- Easy replacement of applicators
- Wide range of treatment accessories
- Efficient and light
- The highest quality and reliability

- Colour touch screen
- User identification by personal PIN code
- Easy-to-use, intuitive interface
- Interface switching on by identification PIN code card
- Radiation generation activated by foot switch or touch screen
- External, integrated power meter
- Modern design
- 2 years warranty!
CTL 1601 - Azurut Plus Frax Laser
Examples of aesthetic medicine and dermatology surgery applications

<table>
<thead>
<tr>
<th>Epidermal and dermal lesions</th>
<th>Superficial and deeper located disorders</th>
</tr>
</thead>
<tbody>
<tr>
<td>• seborrheic warts</td>
<td>• epidermal naevi</td>
</tr>
<tr>
<td>• viral warts</td>
<td>• lentigines</td>
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<tr>
<td>• sebaceous adenomas</td>
<td>• ephelides</td>
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<tr>
<td>• syringomas</td>
<td>• melasma</td>
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<tr>
<td>• angiofibromas</td>
<td>• café-au-lait macules</td>
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<tr>
<td>• epidermal and adnexal</td>
<td></td>
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<tr>
<td>• carcinomas</td>
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</tbody>
</table>

Resurfacing treatments
• rhinophyma
• scars
• wrinkles
• hyperpigmentations
• keloids
• xanthelasma

Basic technical-usage parameters

<table>
<thead>
<tr>
<th>Er: YAG Laser - 2940</th>
<th>Aiming Laser - 635</th>
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</thead>
<tbody>
<tr>
<td>Laser type</td>
<td>Er:YAG crystal</td>
</tr>
<tr>
<td>Wavelength</td>
<td>2940 nm</td>
</tr>
<tr>
<td>Max. output power</td>
<td>15 kW in pulse or 15W average power - $P_{AV}$</td>
</tr>
<tr>
<td>Operation mode</td>
<td>pulsed mode (p.m.)</td>
</tr>
</tbody>
</table>

- Continuous mode (c.w.)
  - Max. output power - $P_{cw}$
  - 150mW, regulated from 15mW to 150mW

- Pulsed mode (p.m.)
  - Max. pulse power - $P_{p}$
  - 15 kW, regulated from 1 kW to 5 kW with step 1 kW
  - Min. pulse time - $T_w$
  - 250 μs
  - Max. pulse frequency - $f$
  - 10 Hz, regulated from 1 Hz to 10 Hz with step 1 Hz
  - Average power - $P_{AV}$
  - 15 W

Beam delivery system
- 7-mirrors articulated arm or flexible fiber optic cable
- colour, LCD - TFT, touch-T
- 230VAC – 50 Hz or 110VAC – 60 Hz
- <1500 W
- by footswitch or button START in LCD screen

Safety class
- class 4 laser safety, class I type B electrical safety

Dimensions / Weight
- 230 mm x 300 mm x 925 mm (W x D x H) / ~25 kg

Reference number
- CTL 1601-2940-15.0+0635-.005.23x.TT.DER (x=b=beige; g=green)