CO\textsubscript{2} Surgical Laser
CTL 1401 - Azuryt
10600nm - 30W + 635nm - 5mW

Seven-mirror articulated arm of laser beam
REF.: CTL 2454

Exchangeable mirror applicators for surgery
REF.: CTL 2421-0401-125/00, CTL 2422-0401-125/30, CTL 2423-0401-125/45

Medical and Dental fields of application
- Gynaecology
- Proctology - Urology
- Dentistry
- Laryngology
- Paediatrics
- Dermatology - Cosmetology
- Oncology, General surgery
- Aesthetic surgery
- Ophthalmology,
- Orthopaedics
- Veterinary

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!

ISO 9001 · CE · ISO 13485

REF.: CTL 1401-1060-30.0 + 0635-.005.23b.TT.GYN · VER: E1.2-16.EN.23b.GYN
**Dermatology - Der**
- epidermal naevus, condyloma acuminata, ingrownig nails, papilloma, common, periangual, plantar warts, naevus, haemangioma, granulomas, fibromas, keloids, hiradenoma, sebaceous adenoma, cysts, chicken-pox and acne scars, others

**Gynaecology - Gyn**
- genital warts, condyloma acuminata, cysts, leuoplastia, uterine, vulvar or vaginal dysplasia, cervical polyps, intraepithelial neoplasia, others

**Otolaryngology - ENT**
- tumours of tongue, palate, larynx, epiglottic tumours, cysts, fibromas, granulomas, papillomas, respiratory tract papillomatosis, others

**Dentistry - Den**
- frenulectomy (of tongue, upper lip and lower lip frenulum), vestibuuloplasty, aphthous ulcers and oral thrush, gingival hypertrophy, preparation of pre-prosthetic area, benign lesions and tumors removal, coagulation in grafting sites, others

**Proctology - Proc**
- rectal polyp, hemorrhoidectomy, anal fissure, carcinoma of rectum, villous adenoma

**Pediatry - Ped**
- ingrowing toe nails, plantar warts

**Aesthetic surgery**
- dermabrasion for post acne scars and superficial wrinkles, hair transplantation, excision of basal cell carcinoma, vaporisation of rhinophma, tattoo removal, others

### Basic technical-usage parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Surgical Laser CO₂ - 10600</th>
<th>Aiming Laser - 635</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser type</td>
<td>CO₂ gas laser</td>
<td>diode</td>
</tr>
<tr>
<td>Wavelength</td>
<td>10600nm</td>
<td>635nm</td>
</tr>
<tr>
<td>Max. output power</td>
<td>30W</td>
<td>5mW</td>
</tr>
<tr>
<td>Operation mode</td>
<td>continuous (c.w.) / pulsed mode (p.m.) / super pulsed mode (s.p.)</td>
<td>continuous (c.w.)</td>
</tr>
<tr>
<td>Max. output power - Pₜₐₓ (c.w.)</td>
<td>30W, regulated from 0.5W to 30W with step 1W</td>
<td>5mW, regulated from 0mW to 5mW with step 1mW</td>
</tr>
<tr>
<td>Max. pulse power - Pₚ (p.m.)</td>
<td>40W, regulated from 0.5W to 40W with step 1W</td>
<td></td>
</tr>
<tr>
<td>Min. pulse time - Tₚ (p.m.)</td>
<td>1ms, regulated to 2s with step 1ms</td>
<td></td>
</tr>
<tr>
<td>Max. pulse frequency - f (p.m.)</td>
<td>100Hz, regulated from 5Hz to 100Hz with step 1Hz</td>
<td></td>
</tr>
<tr>
<td>Max. pulse power - Pₛₚ (s.p.)</td>
<td>90W, regulated from 10W to 90W with step 5W</td>
<td></td>
</tr>
<tr>
<td>Min. pulse time - Tₛₚ (s.p.)</td>
<td>20μs, regulated from 20μs</td>
<td></td>
</tr>
<tr>
<td>Max. pulse frequency - f (s.p.)</td>
<td>5000Hz, regulated from 100Hz to 5000Hz with step 100Hz</td>
<td></td>
</tr>
<tr>
<td>Average power - Pₜₐₓ</td>
<td>30W</td>
<td></td>
</tr>
</tbody>
</table>

- **Beam delivery system**: 7-mirrors articulated arm
- **Display / Keyboard**: colour, LCD - TFT, touch-T
- **Power supply / Power consumption**: (90 - 260) VAC +10%, (50-60)Hz / <600W
- **Switching control**: by footswitch or button START on LCD screen
- **Safety class**: class 4 laser safety, class I type B electrical safety
- **Dimensions / Weight**: 230mm x 300mm x 925mm (W x D x H) / ~25kg
- **Reference number**: CTL 1401-1060-30.0+0635-.005.23x.TT.DER (x=b=beige; r=red;bl=blue)