Designed to Match
Performance with Portability
Performance and Precision

Advantages of the Aura XP™

The Aura XP™ 15 Watt laser system delivers unmatched performance and steady-state reliability that can be applied to a wide range of soft tissue clinical applications.

Precise Cutting and Coagulation
StarPulse™ Technology precisely limits the depth of penetration for increased control, while providing excellent hemostasis, vaporization, and cutting power.

Unique StarPulse Technology
Allows you to deliver a pulse width as short as 1 millisecond.

532 nm Pulsed Wavelength
KTP energy is highly absorbed by oxyhemoglobin, delivering precise coagulation while leaving the surrounding tissue unaffected.

Compact Design and Quiet Operation
Perfect for in-office and small procedure rooms and can be placed on a countertop or cart. Its small, compact design is perfect for the hospital, office or ambulatory surgery center.

Easy and Convenient Plug and Play Operation
Standard Electrical 120vac (20amp) plug and play operation enables easy movement from one room to another and expedites procedure time.

Solid-state Reliability
Reliable, solid-state construction sets a new standard for high performance with easy maintenance.

Accessories

Automatic Eye Protection Filter (AEPF)
The Automatic Eye Protection Filter can be installed under the oculars of any microscope to filter the KTP light to protect against 532 nm laser energy.

Compatible Microscopes:
- Zeiss
- Storz/Urban
- Leica/Wild
Multiple Surgical Applications

The Aura XP with StarPulse Technology excels as a tool supporting the management of selected mucosal diseases by offering a versatile platform utilizing a continuous wave and pulsed mode (StarPulse) technology — expanding performance and maximizing investment.

Ears
Using the Aura XP with StarPulse, a physician can perform inner ear surgery precisely without disrupting delicate tissue surrounding the stapes bone. Many of these procedures can be performed in a hospital outpatient or ambulatory surgery center.

Clinical Applications
- **Otosclerosis/Stapedectomy** — Using our small 125 micron fiber provides precise accuracy and tactile feedback while working in tight/confined spaces.
- **Ruptured Eardrum/Tympanoplasty** — The small AccuStat Fiber can be used swiftly and deftly to cut or coagulate tissue.
- **Acoustic Neuroma** — The benign tumor in the inner ear can be easily excised and necrosed using the Aura XP’s KTP wavelength.

Primary Fiber Used
- **AccuStat Fibers** — AccuStat Fibers will cut, vaporize or coagulate tissue in a laser surgical procedure and are intended to be used in a non-contact mode.

Nose
Using the Aura XP laser for nasal procedures including less bleeding, lowers chances of re-occurrence and less thermal damage than electrocautery. Many of these procedures can be performed in a hospital outpatient or in-office setting using local anesthesia.

Clinical Applications
- **Chronic Nasal Obstruction/Turbinate Reduction** — Chronic nasal obstruction is one of the more prevalent ENT diseases for which the Aura XP is well suited. The Aura XP gives a surgeon the advantage of precisely removing diseased tissue while leaving healthy nasal mucosa tissue intact.
- **Chronic Sinus Polyps/Sinus Polypectomy** — The Aura XP laser quickly coagulates and vaporizes intranasal soft tissue lesions.
- **Tonsillectomy**
- **Adenoidectomy**
- **Laser Assisted UPPP**
- **HHT (chronic nose bleeds)**

Primary Fiber Used
- **Endostat Fibers with the Endo Suction Sinus Set** — The Endostat Fibers are flexible and tend to cut faster when used in contact with tissue, than larger diameter fibers.
Throat

The distinct advantage of the Aura XP in microlaryngoscopy procedures is its ability to offer precise coagulation and necrosis of selectively targeted diseased tissue while preserving the surrounding soft mucosal layer of the vocal cord folds.

With extended pulse-width duration, the Aura XP laser can distribute laser energy over a much longer time period leading to more uniform vessel heating and less rupture.

In addition to enhanced hemostasis, the Aura XP has improved intralesional energy interaction since oxyhemoglobin absorbs energy more readily at 532 nm than at 585 nm.1

Delivering energy in pulsed widths as short as 1 millisecond, the Aura XP’s pulsed angiolytic technology coagulates hemorrhagic lesions without rupture.

A large variety of hand pieces allows precise delivery of energy along with tactile feedback and the laser is micromanipulator compatible.

Clinical Applications

- **Laryngeal Tumors and Lesions/Microlaryngoscopy** - Procedures within this application include papillomatosis, laryngeal dysplasia, vocal fold nodules and polyps, and laryngeal cancer.

- **Pharyngeal Tumors and Lesions** - Pharyngeal cancer destruction may be accomplished using the Aura XP laser and many procedures can be performed in a hospital outpatient or in-office setting.

Primary Fiber Used

- Endostat Fibers with the Endo Suction Sinus Set

- Angled Microstats - used for microlaryngology procedures

Delivers unmatched performance and steady-state reliability.
Offering a versatile platform - expanding performance and maximizing investment.
The Aura XP™ Laser System Specifications

LASER TYPE
Quasi-Continuous KTP Laser with
StarPulse operating at 532 nm

- Laser Wavelength: 532 nm
- Laser Power: 0.5 to 15 Watts
- StarPulse Peak Power: 160 Watts
- Weight: 60 lbs / 27 kg
- Dimensions: 16"H x 12" W x 23"D
  (42 cm x 31 cm x 58 cm)
- Cooling: Air cooled

ELECTRICAL REQUIREMENTS
Single Phase
- 120VAC/1 Samps
- 230VAC/10 Samps

EXPOSURE DURATION
1 to 50 milliseconds in 1 msec increments,
then .1 to 1 sec in
0.1 increment, then
.5 sec increments
to continuous

EXPOSURE INTERVALS
Single or 0.1 to 1 sec
in 0.1 increments

PULSE RATES
1 to 10 pulses
per second when
duration set between
1 to 50 milliseconds

SOLUTIONS FOR LIFE® For more than 35 years, American Medical Systems® has provided world-class medical devices used for treating pelvic health issues. Over the past decade, our reputation for quality and medical efficacy has broadened to encompass both devices and therapies that restore pelvic health for men and women. The medical conditions our solutions address include male and female urinary incontinence, erectile dysfunction, prostate disorders (including BPH), urethral strictures, pelvic organ prolapse and fecal incontinence.

See the Instructions for Use and the Operator’s Manual for the complete directions, contraindications, warnings and risks associated with the device.


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