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THE OMNIPULSE MAX™

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The Dependable, Durable,
and Feature-Rich Holmium
Laser from Trimedyne.

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"THE MAX"- POWERFUL YET GENTLE

- Powerful results--Over 300,000 patients have reaped the benefits of safe, minimally invasive Holmium laser surgery. Studies reflect a faster recovery and return to normal activities.
- Gentle on your budget--Trimedyne remains the leader in cost-effective laser technology. We are the pioneers of the Omni™ line of reusable laser handpieces which have reduced laser delivery system costs by over 50%.
- Gentle on your patients--Precise yet able to tackle tough targeted tissues without affecting adjacent, healthy tissues.

THE DOUBLEPULSE™ MODE PROVIDES TWICE THE FLEXIBILITY

This unique feature separates the OmniPulse MAX™ from all other lasers. The patented DoublePulse™ mode allows you to safely shift into a higher gear for a more rapid ablation of dense tissue or calculi. With the effect of up to 7 joules of energy per pulse, you can precisely and gently vaporize targeted tissues while the adjacent tissues remain unaffected.

To accomplish this, the energy pulses are synchronized to double the energy to tissue while halving the acoustic effect. Only the OmniPulse MAX™ can safely provide the extra energy you need when encountering challenging tissues.

THE OMNIPULSE MAX™ MAXIMUM FEATURES AND BENEFITS.

- **Faster procedures - At 60 pulses per second, no other Holmium laser is faster. And with the effect of 7 joules per pulse, no other Holmium laser is more powerful.**
- **Unique tissue effects - Perform techniques that are impossible with conventional tools such as efficient contouring and sculpting of articular surfaces, and hemostasis.**
- **Cut, contour, coagulate and fragment - All with the same instrument.**
- **On-Board Power Meter - Allows you to measure fiber power output on the spot. When reusing handpieces, power checks are vital for assuring continued device integrity.**
- **No overheating - Only the OmniPulse MAX™ operates continuously for hours at a time. You will rarely lose valuable OR time while the laser cools down.**
- **Adjustable Aiming Beam - Allows control of the brightness levels for excellent visualization.**
- **Pre-programmed lasing parameters - For your convenience, we have pre-set the most common laser parameter combinations for instant selection. You may also program your own preferred settings--the laser will accept up to 12 custom parameters.**
- **Compact and maneuverable - With a fold-down screen for easy transport, the "MAX" will become your most popular laser because it can go anywhere. Just plug it in and begin.**
- **Three-position wheel lock for effortless steering and safe laser storage.**
- **The 360 degree swiveling control panel can be seen from any vantage point.**
- **Automatic Self-Diagnostic System provides fast and accurate troubleshooting.**
- **The patented laser connector is engineered to virtually eliminate time-consuming blast shield problems.**
- **Simple to use - A short learning curve and an easy-to-read control panel will rapidly make this laser a routine part of your surgical procedures.**
- **The Omni™ Switchtip System - This proprietary reusable design is just one more reason Trimedyne is the leader in cost-effective laser technology.**

HIGH PERFORMANCE, DURABLE LASER HANDPIECES

Choose from a wide variety of handpieces for your arthroscopic, endoscopic, or percutaneous applications. Both side firing and end firing tips are available providing easy access to hard-to-reach areas.

MAXIMUM VERSATILITY

Every day the OmniPulse MAX™ becomes a more valuable O.R. tool. You'll find you can amortize your capital equipment costs over several different specialties. The "MAX" has been designed for the following applications:

DERMATOLOGY / PLASTIC SURGERY

Soft, mucosal, fatty, and cartilaginous tissues, with or without an endoscope, including: scars, tattoo removal, vascular lesions [including port wine stains, hemangioma, telangeiectasia

(facial, leg), and rosacea], corns, papillomas, basal cell carcinomas.

LUMBAR DISCECTOMY

Percutaneous lumbar discectomy of soft, cartilaginous, and bony tissues (foraminoplasty).

GASTROENTEROLOGY/GASTROINTESTINAL SURGERY

With or without an endoscope, including: cholecystectomy, lysis of adhesions, appendectomy, biopsy, pylorostenotomy, benign and malignant lesions, rectal polyps of sigmoid colon, gall bladder calculi, benign and malignant neoplasm, polyps, colitis, ulcers, angiodysplasia, hemorrhoids, varices, esophangitis, esophageal ulcer, Mallory-Weiss tear, gastric ulcer, duodenal ulcer, non-bleeding ulcer, gastric erosions, colorectal cancer, gastritis, bleeding tumors, pancreatitis, vascular malformations, telangiectasias, telangiectasias of the Osler-Weber-Rendu disease.

GENERAL SURGERY

Incision, excision, resection, ablation, coagulation, hemostasis and vaporization, with or without an endoscope, in general surgery of soft tissue including: skin incision, tissue dissection, excision of external tumors and lesions, complete or partial resection of internal organs, tumors and lesions, tissue ablation mastectomy, hepatectomy, pancreatectomy, splenectomy, thyroidectomy, parathyroidectomy, herniorrhaphy, tonsillectomy, lymphadenectomy, partial nephrectomy, pilonidal cystectomy, resection of lipoma, pelvic adhesiolysis, debridement of decubitus ulcers, hemorrhoids, pilodidal cyst removal and repair, debridement of statis ulcers, biopsy.

GENITOURINARY SURGERY

Incision, excision, resection, ablation, coagulation, hemostasis and vaporization, with or without an endoscope, of genitourinary/urology tissue including lesions of the external genitalia, condylomas, and penile hemangioma.

GYNECOLOGIC SURGERY

Incision, excision, resection, ablation, coagulation, hemostasis and vaporization, with or without an endoscope, of soft tissue in gynecology during open and endoscopic procedures, including condyloma acuminata.

LITHOTRIPSY/PERCUTANEOUS URINARY LITHOTRIPSY

Ablation and vaporization, with or without an endoscope, in lithotripsy and percutaneous urinary lithotripsy, including fragmentation of urinary calculi, urethral calculi, kidney calculi, and treatment of distal impacted fragment of steinstrasse when guide wires cannot be passed.

ORTHOPEDIC SURGERY

Incision, excision, resection, ablation, coagulation, hemostasis and vaporization, with or without an endoscope, of pathological soft and cartilaginous tissue in small and large joints, including knee meniscectomy, knee synovectomy, chondromalacia and tears, loose body debridement, lateral retinacular release, debridement of the degenerative knee, plica removal, ligament and tendon release, contouring and sculpting of articular surfaces, debridement of inflamed synovial tissue, capsulectomy in the knee, chondroplasty in the knee, chondromalacia ablation.

OTORHINOLARYNGOLOGY (ENT) SURGERY

Incision, excision, resection, ablation, coagulation, hemostasis and vaporization, with or without an endoscope, of soft, mucosal, cartilaginous and bony tissue in otorhinolaryngology

surgery including endosinus surgery, functional endoscopic sinus surgery, turbinate procedures (e.g., turbinectomy), dacryocystorhinostomy (DCR), ethmoidectomy, polypectomy, maxillary antrostomy, frontal sinusotomy, and sphenoidotomy.

MAXIMIZE YOUR LASER

Upgradeable--Trimedyne strives to develop new laser systems that meet your changing needs. The OmniPulse MAX™ has been specially designed to make upgrades affordable and convenient for you.

Clinical Education--Every OmniPulse MAX™ is backed with comprehensive technical training performed by our staff of qualified laser clinical specialists. We also offer patient education materials to help users make the most of their investment.

Service-- Service starts with free, on-site operation and safety training and includes a scheduled maintenance visit to ensure the optimum reliability of your laser. Every laser comes with a full one year warranty and the assurance that our service engineers are ready to respond whenever you need them.

TRIMEDYNE, EXPECT THE MAXIMUM

From Trimedyne's inception in 1980, we have focused upon developing effective new applications where laser surgery would be the most efficient method to gain the best patient outcome. Trimedyne has since created innovative surgical solutions in Orthopedics, Urology, Vascular Surgery and other specialties. Our single-minded goal is to design and manufacture laser devices that advance minimally invasive surgical techniques while helping to reduce the cost of health care. Trimedyne is committed to ongoing research and development along with the support, service, and training necessary to put the best technology in the surgeon's hands today...and tomorrow.

System Specifications:

Laser Source	Pulsed, solid-state Ho:YAG
Wavelength	2100 nanometers (near infrared)
Energy per pulse	0.2 to 3.5 Joules
Effective energy per pulse in DoublePulse™ mode	0.4 to 7.0 Joules
Pulse duration	350 microseconds
Average power	1.5 to 80 watts to tissue
Repetition rate in Single Pulse mode	5 - 60 Hz
Repetition rate in DoublePulse™ mode	3 - 30 Hz
Aiming Beam	Adjustable 5 mW maximum, red
Approval Listing	CE
Dimensions	25.5"W X 39.5"L X 48.5"H (65 cm x 100 cm x 123 cm)
Weight	670 lbs (303 kg)
Cooling	Self-contained air/water
Electrical supply	230 VAC, 40 A, 50 or 60 Hz, single phase

