



Products

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Featured Products

System Specifications

Ordering Information

OmniPulse Jr.™

Product Catalog

THE OMNIPULSE Jr.™

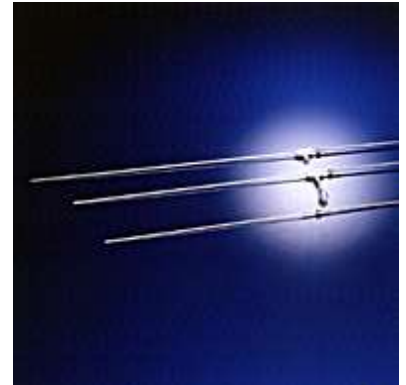
Special Offers

The Dependable, Durable,
30 Watt Holmium Laser

Domestic Sales

from Trimedyne.

International Sales



[Ho:YAG Laser Safety Information](#)

You asked us for a small Holmium laser for your low-power applications. You wanted it to be portable and compact so it would fit into the smallest cysto suite, operating room or even in your office. But you wanted the reliability and convenient features of the proven OmniPulse MAX™ laser available exclusively from Trimedyne. And now, Trimedyne, the leader in cost-effective laser technology, has designed the laser you asked for - the OmniPulse Jr.™ 30 Watt Holmium Laser.

[Patent Information](#)

[Multispecialty Applications Professional Use Information Manual](#)

- Delivers 30 watts to tissue - And provides 2.3 Joules per pulse at 12 Hz.
- Shallow depth of penetration (less than 0.5mm) - Reduces risk of iatrogenic injury to surrounding tissues.
- Simple, programmable lasing parameters - Press just one button to instantly obtain your selected settings.
- Instant on - Minimal warm-up time and footswitch delay. Reliable-Procedure after procedure, this laser won't quit operating until you do, even at full power.
- Portable - Small footprint, lightweight and designed to be so sturdy and easy to handle it can be transported in most vans and sports utility vehicles.
- Easy installation - No special plumbing or wiring is required so it can be quickly moved from one site to another.
- Adjustable aiming beam - A simple mechanism allows you to control the beam's brightness level for enhanced visualization.

Lithotripsy With the OmniPulse Jr.™

- Fragments stones of any size, color, or composition even cystine and calcium oxalate monohydrate.
- Compatible with rigid and flexible ureteroscopes.
- A single low-cost fiber can do all that's required to complete the procedure. Compared to other lithotrites, the Holmium laser yields smaller fragments (less than 0.4 mm) which are more likely to pass without a problem. (1)
- Even difficult to access stones can be treated with our flexible laser fibers. Dependable solid-state design means low maintenance costs.

(1) Joel M. H. Teichman; George J. Vassar; Jay T. Bishoff; et al "Holmium:YAG Lithotripsy Yields Smaller Fragments Than Lithoclast, Pulsed Dye Laser or Electrohydraulic Lithotripsy", The Journal of Urology, Jan. 1998.

Other Applications With the OmniPulse Jr.™

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.

System Specifications

Laser Source	Pulsed, solid-state Ho:YAG
Wavelength	2100 nanometers (near infrared)
Energy Range per Pulse	0.2 - 3.5 joules
Pulse Repetition Rate	5 - 20 Hz
Pulse Width	350 microseconds nominal
Output Power	1.4 to 30 watts to tissue
Connector	Proprietary
Self-Diagnostic System	No alignment or precalibration required
Aiming Beam	Adjustable, 3 mW maximum, red
Electrical Service	230 VAC, 15 amps, 50/60 Hz, single phase
Dimensions	21"W x 20"L x 36"H (53 cm x 50 cm x 91cm)
Weight	230 lbs (104 kg)
Cooling	Self-contained air/water
Warranty	1 year parts and labor

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