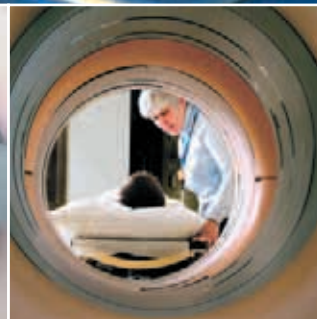
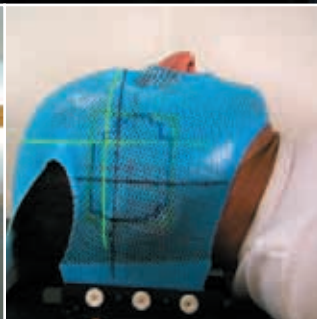
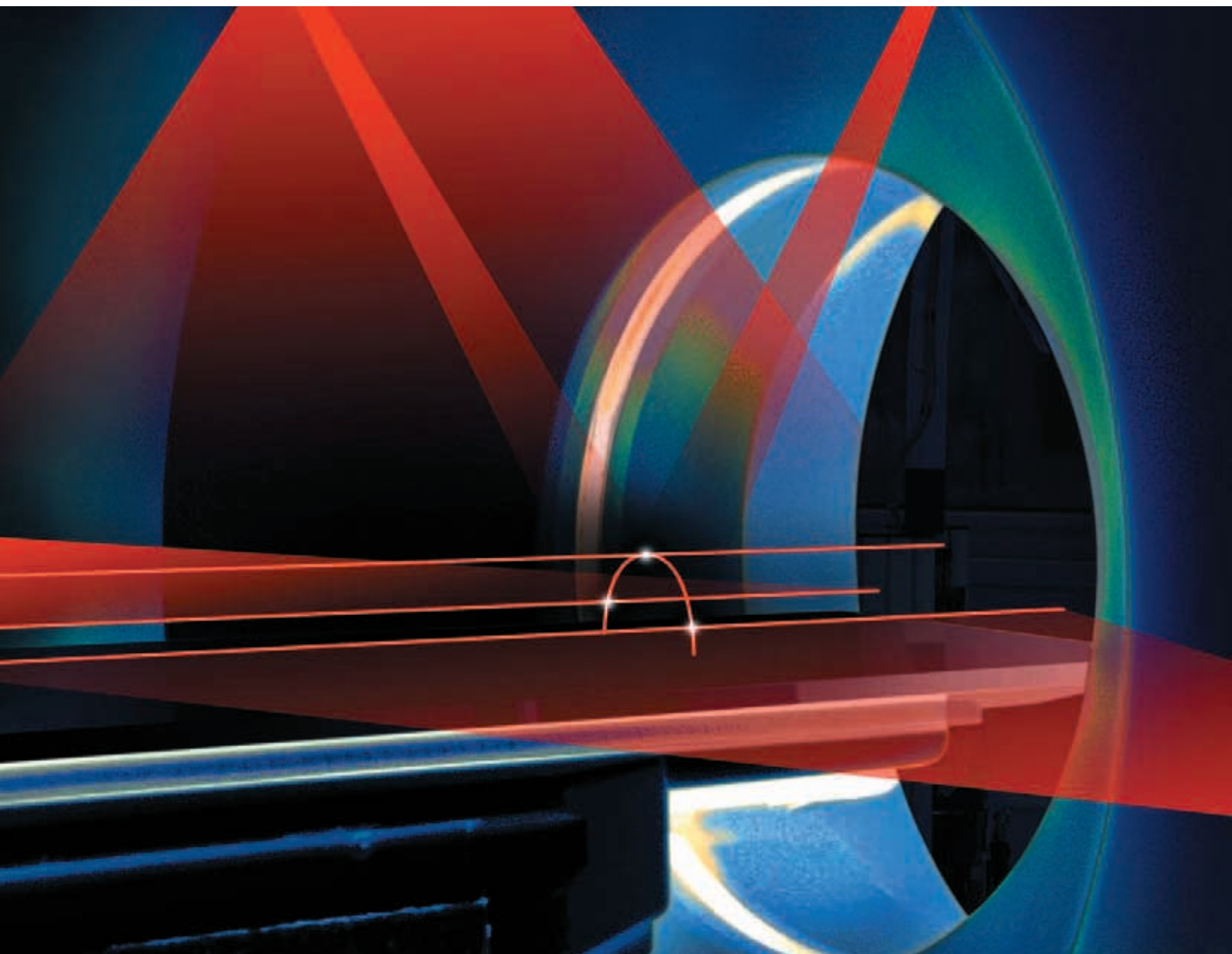
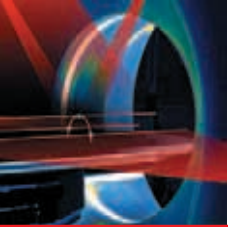


DORADO NAVIGATOR

LASER SYSTEMS FOR SIMULATION





DORADO NAVIGATOR

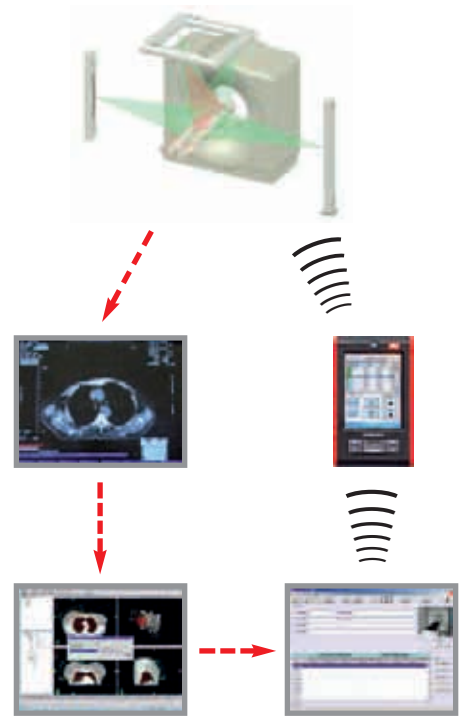
VIRTUAL SIMULATION PROCESS

The Dorado Simulation Laser system plays a pivotal role in your 3D Multimodality Simulation process.

The isocenter coordinate information and the field intersection points with the skin are automatically transferred via your Ethernet network to the DORADO Laser system. High precision Dorado Simulation Laser rails project the coordinates on to the patient's skin with sub millimeter accuracy.

The LAP IsoMark software makes patient marking simple and fail-safe. Only after prescribed positions are reached will the lasers turn on. Real time display of each lasers true position is feedback to the IsoMark software to ensure accurate precise marking every time.

In the treatment room, the NAVIGATOR controls the movement of the Laser lines to the prescribed position.



NAVIGATOR – USER MODE

Patient coordinates at your fingertips

The Dorado Navigator gives you full control over your Dorado Simulation Laser System with the added ease of a wireless handheld Bluetooth device.

All patient data are transferred to the handheld device allowing the user to perform patient specific marking functions from within inside the room.

The display shows the Patient header information, isocenter coordinates and all field or MLC coordinates as provided from your Planning System.

The Navigators intuitive interface makes moving through coordinates a breeze. Simply press the corresponding arrow key to bring up the next or previous prescribed coordinate positions from the imported data file.

The NAVIGATOR is backwards compatible to all previous versions of the Dorado Simulation laser.



NAVIGATOR – MANUAL MODE

The Navigators manual mode provides all functions of the previously supplied keypad. These functions include:

- Select Laser
- Manual Laser Movement
- Set Position Laser Movement
- Manual Stop
- Speed of Manual Laser Movement
- Set Zero (password protected)
- Reference Search
- Laser on/off

In the absence of the IsoMark software the Navigators manual mode allows for full operation of the Dorado Simulation Laser System.



NAVIGATOR – SET-UP MODE

The set-up functions of the Navigator enable the service engineer to modify the DORADO moving laser rail configurations and settings. These functions include:

- Select System Type (CT4-1, CT4-3 or CT4)
- Axis Naming
- Set Dorado Version
- Set Laser Polarity
- Set Laser Time Out
- Bluetooth settings
- Set Language

The setup mode is password protected to prevent inadvertant service changes.



DORADO SYSTEMS



DORADO 1

DORADO 3 BRIDGE

DORADO MRI

DORADO 4

DORADO CT-4-1, CT-4-3E

Laser Systems for all Modalities

LAP provides laser marking solutions for all of your center's requirements. Dorado Systems are available in the following installation configurations: Wall mounted, floor mounted, or freestanding self contained bridges. All Dorado Simulation laser systems are available with Red or Green Diodes

DORADO 4 (CT-4, CT-4-5)

Marking of the Isocenter, field corners and the MLC

Marking not only the Isocenter, but also the entire field and MLC contours gives the user added benefit when performing patient alignment for subsequent radiation treatment delivery.

FIELD MARKING: SEEING IS BELIEVING



Marking of the MLC field contours with the DORADO 4 (CT-4) Laser system

Verification of the Field with the Linac Light Field Projector

Verification of the Field with the Portal Imager



SPECIFICATIONS



NAVIGATOR

Type	Rugged Handheld with integrated Bluetooth and WLAN
Operating System	Microsoft Windows Mobile 5.0 Premium Edition
Actual languages: DORADO Navigator Software DORADO Navigator Operating System	English, German, French English
Processor	Intel PXA270 Processor with 312 based on Intel XScale microarchitecture
Memory (MByte)	Flash memory (ROM): 128 System memory(RAM): 64
Display	3.5-inch, 480 x 640 pixel, 65.536 colors, transreflective TFT touchscreen, LED backlight
Battery	1200 mAh Lithium Ion
Power supply	Docking station included
Weight (g)	ca. 200g
Dimensions (H x W x D)	121x76x17,5 mm
Interface	Bluetooth
Ergonomic features	Five way navigation button, TouchScreen, power on/off, 4 application buttons
Protection	IP 54



FEATURES AND BENEFITS

- Rugged handheld device
- State-of-the-art design
- Intuitive operation
- In Room Display of Patient data
- Wireless communication (Bluetooth)
- Compatible with all DORADO systems



LAP LASERS AROUND THE WORLD

Aalborg • Aarhus • Akron • Albany • Albuquerque • Alpharetta • Altoona • Amarillo • Amsterdam • Amhem • Athens • Atlanta
 • Aurora • Austin • Bakersfield • Baltimore • Bangkok • Barrington • Baton Rouge • Beijing • Belleville • Benevento • Berlin •
 Bethesda • Binghamton • Bismarck • Boca Raton • Boise • Boras • Boyton Beach • Bradenton • Brandon • Braunschweig •
 Bremerton • Brick • Brooklyn • Brownstown • Bucharest • Buffalo • Caceres • Caen • Calgary • Campinas • Canton • Casper
 • Catania • Causeway Bay • Charleston • Channahon • Chester • Chicago • Chicoutimi • Christiansand • Chula Vista •
 Cincinnati • Clearwater • Cleveland • Coalinga • Coeur d'Alene • Columbia • Columbus • Comac • Concord
 • Copenhagen • Corvallis • Covington • Covington • Dallas • Denver • Detroit •
 Duquesne • Duluth • Dubois • Duesseldorf • Eugene • Evansville • Fayetteville • Ft. Lauderdale • Ft. Valton Beach • Ft.
 Escondido • Jacksonville • Jetteville • Flint • Ft. Lauderdale • Ft. Worth • Galveston • Genoa • Greenville •
 Greenville • Guam • Halifax • Hamilton • Harlingen • Hartford • Hattiesburg •
 • Highland Heights • Homestead • Houston • Huntsville • Indianapolis • Irvine • Jacksonville • Jerusalem •
 Jiangmen • Johnson City • Joliet • Knoxville • Köln •
 Kuala Lumpur • La Mesa • Lafayette • Lake Charles • Lakeview • Lancaster • Langhams Green • La Roche-sur-Yon •
 Las Vegas • Latham • Lebanon • Leipzig • Lincoln • Lincoln • Long Beach • Long Beach • Los Angeles •
 Louisville • Lubbock • Lubbock • Lumberton • Madison • Madison • Maidstone • Malone • Manahawkin • Mansfield
 • Mantova • March 1st • Marshfield • Mason City • Medford • Melbourne • Memphis • Merced •
 Meridian • Methuen • Miami • Middleburg • Midwest • Milwaukee • Minot • Missoula • Montclair •
 Montgomery • Mountain Home • Muenster • Muenster • Münster • N. Grafton • New Albany • New Albany •
 New Albany • New Port Richey • New York • Newcastle • Newnan • Nijmegen •
 Nila • Norfolk • Norwalk • Ocala • Odense • Oklahoma City • Oklahoma City • Ontario • Opelika • Orange • Orange
 City • Orange Village • Ormond Beach • Ostfildern • Oxnard • Palos Heights • Panama City • Park Ridge •
 Park Ridge • Pasadena • Philadelphia • Phoenixville • Pine Bluff • Pittsburgh • Portland • Pretoria • Providence •
 • Queens • Quincy • Rangoon • Redbank • Redlands • Redmond • Ridgewood • Rio de Janeiro • Rochester •
 • Roma • Rotterdam • St. Louis • Sacramento • Salem • Salvador • San Antonio • San Francisco • San Juan
 • San Luis Abispo • San Mateo • Savannah • Scottsbluff • Scottsdale • Searcy • Shantou • Shelby • Sherbrooke • Sheridan •
 Shreveport • Sydney • Springfield • Singapore • Somers Point • South Bend • Southaven • Southfield • Spartanburg •
 Springfield • St. Joseph • St. Louis • St. Nazaire • St. Petersburg • Stanlake • Staten Island • Stuart • Stuttgart • Suffern • Sun
 City • Taipei • Tampa • Tallahassee • Thomasville • Thornton • Tokyo • Toms River • Topeka • Trois Rivieres • Trumbull • Tucson •
 Tulsa • Tupelo • Tuscaloosa • Valencia • Valhalla • Vancouver • Vaxjo • Vero Beach • Victoria • Vienna • Vigo
 • Vorhees • Walcheren • Washington • Waterbury • Watertown • Waukegan • Waussau • West Chester • Wichita • Wichita
 Falls • Wilkes-Barre • Willingsboro • Wilrijk • Winnipeg • Winston-Salem • Wooster • Yakima • Yuba City • Yuma • Zion

LAP GmbH Laser Applikationen

Zeppelinstr. 23
 21337 Lueneburg
 Germany

Phone +49 (0)4131 9511-95
 Fax +49 (0)4131 9511-96
 Email info@lap-laser.com

LAP of America Laser Applications, L.C.

1710, Costa del Sol
 Boca Raton, Fl. 33432
 USA

Phone +1 (561) 416-9250
 Fax +1 (561) 416-9263
 Email america@lap-laser.com

LAP GmbH Laser Applikationen Singapore Representative Office

L15, Prudential Tower, 30 Cecil Street
 Singapore 049712
 Singapore

Phone +65 6464 0598
 Fax +65 6464 1058
 Email info-asia.med@lap-laser.com

LAP GmbH Laser Applikationen Shanghai Representative Office

35/F Ciro's Plaza Office Tower
 388 West Nanjing Road
 Shanghai 200003

P.R.China

Phone +86 21 5047-8884
 Fax +86 21 6334-5528
 Email info-asia.med@lap-laser.com

www.LAP-LASER.com

