

JUL 11 2003

K031720

**HERMES® O.R. Control Center  
510(k) Summary**

In accordance with 21 CFR section 807.92 Computer Motion, Inc. (CMI) is submitting the following 510(k) Summary:

(1) Submitter Information:

Computer Motion, Inc.  
130-B Cremona Drive  
Goleta, CA 93117

Contact: Keith Lowrey, Manager of Regulatory Affairs

(2) Name of Device:

Proprietary Name: Modification to HERMES® O.R. Control Center  
Common Name: HERMES  
Product Code: GCJ  
Classification Name: Laparoscope for Use in General and Plastic Surgery  
Regulation Number: 876.1500  
Regulation Class: Class II.

(3) This device is substantially equivalent to the HERMES O.R. Control Center, K973700, and the more recent 510(k) for HERMES control of the S&N Dyonics® Power Shaver, K030240.

(4) The HERMES O.R. Control Center is a computer-driven system whose basic function is to offer the surgeon the additional option of voice control for ancillary devices.

The intent of the HERMES O.R. Control Center is to allow for simplified and more direct control of medical device settings by the physician, thereby eliminating the necessity of using the various interfaces existing on ancillary devices, or relying on verbal communications between the surgeon and other personnel in the operating room in order to adjust the surgical equipment.

(5) The HERMES® O.R. Control Center and Port Expander is indicated for use with Stryker Endoscopy 882 Camera, Stryker Quantum 5000 Light Source, Stryker SE5 Shaver, WOM 20L Insufflator System, WOM 2.0L Arthroscopy Pump, Stryker Total Performance System, Berchtold Surgical Lights, Steris Amsco Table Model SP3085, AESOP®HR (HERMES-Ready™), Valleylab Force FX™ Electro-surgical Unit, Smith & Nephew Dyonics® Access 15 Arthroscopic Fluid Irrigation System, Smith & Nephew Dyonics® Vision 635 Digital Image Management System, Skytron Stellar Series O.R. lights, S&N Dyonics® Power Shaver (K030240), and Smith & Nephew InteliJET Arthroscopic Fluid Management System. It can be used in general laparoscopy, nasopharyngoscopy, ear endoscopy, and sinuscopy where a laparoscope/endoscope is indicated for use. A few examples of the more common endoscopic surgeries are laparoscopic cholecystectomy, laparoscopic

000022

hernia repair, laparoscopic appendectomy, laparoscopic pelvic lymph node dissection, laparoscopically assisted hysterectomy, laparoscopic & thoracoscopic anterior spinal fusion, decompression fixation, wedge resection, lung biopsy, pleural biopsy, dorsal sympathectomy, pleurodesis, internal mammary artery dissection for coronary artery bypass, coronary artery bypass grafting where endoscopic visualization is indicated and examination of the evacuated cardiac chamber during performance of valve replacement. The users of the HERMES O.R Control Center are general surgeons, gynecologists, cardiac surgeons, thoracic surgeons, plastic surgeons, orthopedic surgeons, ENT surgeons and urologists.

- (6) The HERMES® O.R. Control Center has been tested to the following standards:

Test	Title
IEC 601-1	International Standard for Medical Electrical Equipment
IEC 601-1 Amendment 1	International Standard for Medical Electrical Equipment
IEC 601-2-18	International Standard for Medical Electrical Equipment
UL 2601-1	Underwriters Laboratory
CAN/CSA-C22.2 No. 601.1	Medical Electrical Equipment Part 1, General Requirements for Safety, General Instructions Part 1
EN55022/A1	Conducted Emission
EN55022/A1	Radiated Emission
EN61000-4-2	Electrostatic Discharge
EN61000-4-3 and EN50140	RF Immunity
EN61000-4-4	EFT/Bursts Immunity
EN61000-4-5	Surge Immunity
EN61000-4-6	Conducted Immunity
EN60601—1	International Standard for Medical Electrical Equipment
EN60601-1-1	General Requirements for Safety – Collateral Standard
EN 60601-1-2	Emissions and Immunity Test Measurements
VA-24772	CMI System Functional Testing
CP-15345	CMI Software Verification and Validation
VA-19795	CMI Environmental Testing



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

JUL 11 2003

Mr. Keith Lowery  
Manager of Regulatory Affairs  
Computer Motion, Inc  
130 Cremona Drive, Suite B  
Goleta, California 93117

Re: K031720

Trade/Device Name: Modification to Hermes O.R. Control Center  
Regulation Number: 21 CFR 876.1500  
Regulation Name: Laparoscope  
Regulatory Class: II  
Product Code: GCJ  
Dated: May 30, 2003  
Received: June 13, 2003

Dear Mr. Lowery:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

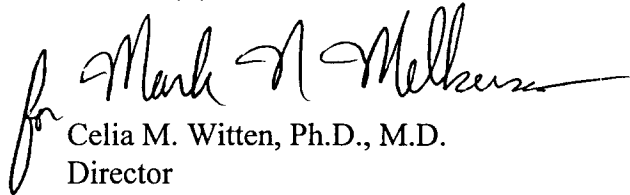
Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

Page 2 - Mr. Keith Lowery

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (301) 594-4659. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97) you may obtain. Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>

Sincerely yours,

A handwritten signature in black ink, appearing to read "for Mark A. Melker". The signature is written in a cursive style and is positioned to the left of the typed name.

Celia M. Witten, Ph.D., M.D.  
Director  
Division of General, Restorative  
and Neurological Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

**INDICATION FOR USE STATEMENT**

510(k) Number (if known): K031720

Device Name: Modification to HERMES® O.R. Control Center

The HERMES® O.R. Control Center and Port Expander is indicated for use with Stryker Endoscopy 882 Camera, Stryker Quantum 5000 Light Source, Stryker SE5 Shaver, WOM 20L Insufflator System, WOM 2.0L Arthroscopy Pump, Stryker Total Performance System, Berchtold Surgical Lights, Steris Amsco Table Model SP3085, Steris Amsco Table Model SP3085, AESOP®HR (HERMES-Ready™), Valleylab Force FX™ Electro-surgical Unit, Smith & Nephew Dyonics® Access 15 Arthroscopic Fluid Irrigation System, Smith & Nephew Dyonics® Vision 635 Digital Image Management System, Skytron Stellar Series O.R. Lights, S&N Dyonics® Power Shaver (K030240) and the Smith & Nephew InteliJET Arthroscopic Fluid Management System. It can be used in general laparoscopy, nasopharyngoscopy, ear endoscopy, and sinuscopy where a laparoscope/endoscope is indicated for use. A few examples of the more common endoscopic surgeries are laparoscopic cholecystectomy, laparoscopic hernia repair, laparoscopic appendectomy, laparoscopic pelvic lymph node dissection, laparoscopically assisted hysterectomy, laparoscopic & thoracoscopic anterior spinal fusion, decompression fixation, wedge resection, lung biopsy, pleural biopsy, dorsal sympathectomy, pleurodesis, internal mammary artery dissection for coronary artery bypass, coronary artery bypass grafting where endoscopic visualization is indicated and examination of the evacuated cardiac chamber during performance of valve replacement. The users of the HERMES O.R. Control Center are general surgeons, gynecologists, cardiac surgeons, thoracic surgeons, plastic surgeons, orthopedic surgeons, ENT surgeons and urologists.

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CRDH, Office of Device Evaluation (ODE)

Prescription Use ✓ OR Over-the-Counter Use \_\_\_\_\_  
(per 21 CFR 801.109) (Optional Format 1-2-96)

*for Mark A. Miller*  
\_\_\_\_\_  
(Division Sign-Off)  
Division of General, Restorative  
and Neurological Devices

000025

510(k) Number K031720