JUL 2 4 2002

K021458

3.0 Summary of Safety and Effectiveness Information [510(k) Summary]

SPONSOR:	Synthes (USA) 1690 Russell Road Paoli, PA 19301 (610) 647-9700 Contact: Matthew M. Hull
DEVICE NAME:	Synthes (USA) In-Situ Bender/ Cutter
REGULATION & CLASSIFICATION:	Accessory to: Class II § 872.4760 –Bone plate and § 888.3030 – Single/multiple component metallic bone fixation appliances and accessories.
PREDICATE DEVICE:	- Power Pen accessory: MacroPore MacroSorb OS Protective Sheet and MacroPore DX screws and plates. - Synthes Resorbable Fixation System & Synthes Resorbable Meshes and Sheets.
DEVICE DESCRIPTION:	The Synthes In-Situ Bender/ Cutter is a battery-powered disposable device for use with Synthes resorbable fixation products. The device consists of a pen-like welded body that will house the batteries, wiring, and switch. The plastic housing will come with changeable tips for bending or cutting the resorbable implants. The device will be packaged sterile and labeled for single use only.
INTENDED USE:	The Synthes (USA) In-Situ Bender/ Cutter is intended for use with Synthes resorbable fixation products in forming and/or cutting plates, meshes, sheets, screws, and tacks in-situ before, during, and after implantation.
TECHNOLOGICAL CHARACTERISTICS:	The Synthes In-Situ Bender/ Cutter has the same technological characteristics as the MacroPore predicate device identified above. Both are accessories for resorbable plating systems. The bodies of both devices are plastic with interchangeable cutting and bending tips. Both devices are battery powered and disposable, labeled for single-use only.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

JUL 2 4 2002

Mr. Matthew M. Hull, RAC
Senior Regulatory Associate
Synthes (USA)
1690 Russell Road
P.O. Box 1766
Paoli, Pennsylvania 19301

Re: K021458
Trade/Device Name: Synthes (USA) In-Situ Bender/Cutter
Regulation Number: 21 CFR 888.3030
Regulation Name: Single/Multiple Component Metallic Bone Fixation Appliances and Accessories
Regulatory Class: Class II
Product Code: HRS
Dated: May 6, 2002
Received: May 7, 2002

Dear Mr. Hull:

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.

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 and additionally 21 CFR Part 809.10 for in vitro diagnostic devices), 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). 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,

for 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

8.0 Indications for Use Statement

510(k) Number (if known): K021458

Device Name: Synthes (USA) In-Situ Bender/ Cutter

Indications:

The Synthes (USA) In-Situ Bender/ Cutter is intended for use with Synthes resorbable fixation products in forming and/or cutting plates, meshes, sheets, screws, and tacks in-situ before, during, and after initial implantation.

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

for Mark N Melkerson

(Division Sign-Off)
Division of General, Restorative
and Neurological Devices

510(k) Number K021458

Prescription Use Yes (Per 21 CFR 801.109) OR Over-The-Counter Use No