

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

14 June 2012

**ORDER GRANTING CONFIDENTIAL TREATMENT
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

Syneron Medical Ltd.

File No. 1-34559 -- CF# 28236

Syneron Medical Ltd. submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from the Exhibits to a Form 20-F filed on March 29, 2012.

Based on representations by Syneron Medical Ltd. that this information qualifies as confidential commercial or financial information under the Freedom of Information Act, 5 U.S.C. 552(b)(4), the Division of Corporation Finance has determined not to publicly disclose it. Accordingly, excluded information from the following exhibit(s) will not be released to the public for the time period(s) specified:

Exhibit 4.23 through March 28, 2021

For the Commission, by the Division of Corporation Finance, pursuant to delegated authority:

Timothy S. Levenberg
Special Counsel