

Christopher Prentice to Lead Mazor Robotics' US Commercial Operations and Global Marketing Strategy

CAESAREA, Israel – September 6, 2013 – Mazor Robotics Ltd. (TASE: MZOR; NASDAQCM: MZOR), the developer of Renaissance®, an innovative surgical guidance system and its complementary products, announced today that Christopher Prentice has been promoted to Senior Vice President, America & Global Marketing. In this new role, Mr. Prentice will oversee Mazor's commercial and sales operations in the Americas while also continuing to oversee the Company's global marketing strategy. He will report directly to Ori Hadomi, Chief Executive Officer and will be a member of the corporate senior executive team.

Mr. Prentice joined the company in 2010 and has spent the past 15 years in healthcare management with a focus on advancing new technologies in surgery. Prior to joining Mazor, he held leadership positions in marketing & sales at Ethicon Endo-Surgery, a Johnson & Johnson company, Intuitive Surgical, Inc., and served on the leadership team of Tampa General Hospital. Chris graduated from the United States Military Academy at West Point, has an MBA from Western New England University, and an MHA from the University of South Florida.

"Chris has made a significant contribution to the success of Mazor and I believe that his new responsibilities will contribute to the growth and success of the company," commented Ori Hadomi, Chief Executive Officer.

About Mazor

Mazor Robotics (TASE: MZOR; NASDAQGM: MZOR) believes in healing through innovation by developing and introducing revolutionary robotic-based technology and products aimed at redefining the gold standard of quality care. Mazor Robotics Renaissance® Guidance System enables surgeons to conduct spine and brain procedures in a more accurate and secure manner. For more information, please visit www.MazorRobotics.com.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 and other securities laws. Any statements in this release about future expectations, plans or prospects for the Company, including without limitation, statements regarding the expectations for growth in system sales and recurring revenue, the Company's expected sales in 2016, and other statements containing the words "believes," "anticipates," "plans," "expects," "will" and similar expressions are forward-looking statements. These statements are only predictions based on Mazor's current expectations and projections about future events. There are important factors that could cause Mazor's actual results, level of activity, performance or achievements to differ materially from the results, level of activity, performance or achievements expressed or implied by the forward-looking statements. Those factors include, but are not limited to, the impact of general economic conditions, competitive products, product demand and market acceptance risks, reliance on key strategic alliances, fluctuations in operating results, and other factors indicated in Mazor's filings with the Securities and Exchange Commission (SEC) including those discussed under the heading "Risk Factors" in Mazor's annual report on Form 20-F filed with the SEC on April 29, 2015 and in subsequent filings with the SEC. For more details, refer to Mazor's SEC filings. Mazor undertakes no obligation to update forward-looking statements to reflect subsequent occurring events or circumstances, or to changes in our

expectations, except as may be required by law.

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