UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): October 16, 2012

INTUITIVE SURGICAL, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation) 000-30713 (Commission File Number) 77-0416458 (I.R.S. Employer Identification No.)

1266 Kifer Road Sunnyvale, California 94086

(Address of principal executive offices) (zip code)

Registrant's telephone number, including area code: (408) 523-2100

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Dere-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02. Results of Operations and Financial Condition.

On October 16, 2012, Intuitive Surgical, Inc. ("Intuitive") issued a press release announcing its financial results for the quarter ended September 30, 2012. A copy of the press release is attached hereto as Exhibit 99.1.

The information in this Current Report, including Exhibit 99.1, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 (the "Exchange Act") or otherwise subject to the liabilities under that Section and shall not be deemed to be incorporated by reference into any filing of Intuitive under the Securities Act of 1933 or the Exchange Act.

Item 9.01. Financial Statements and Exhibits.

d) Exhibits.

The following exhibit is furnished with this report on Form 8-K:

99.1 Press release issued by Intuitive Surgical, Inc., dated October 16, 2012.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

INTUITIVE SURGICAL, INC.

By /s/ Marshall L. Mohr

Name: Marshall L. Mohr Title: Senior Vice President and Chief Financial Officer

Date: October 16, 2012

EXHIBIT INDEX

Exhibit No. Description

99.1 Press Release issued by Intuitive Surgical, Inc., dated October 16, 2012.

Contact: Investor Relations (408) 523-2161

INTUITIVE SURGICAL ANNOUNCES THIRD QUARTER EARNINGS

SUNNYVALE, CALIF. October 16, 2012 – Intuitive Surgical, Inc. (NASDAQ: ISRG), the industry leader in surgical robotics, today reported third quarter of 2012 revenue of \$538 million, up approximately 20% compared with \$447 million for the third quarter of 2011. Third quarter of 2012 revenue growth was driven by continued adoption of *da Vinci* surgery procedures and higher *da Vinci* Surgical System sales.

Third quarter of 2012 instruments and accessories revenue increased 24% to \$218 million from \$176 million in the third quarter of 2011. The growth in instruments and accessories revenue is the result of growth in *da Vinci* surgical procedures and the introduction of new products. Third quarter procedure growth of approximately 22% reflected US gynecologic and general surgery growth, partially offset by a decline in US prostatectomy procedures and slower growth in European procedures.

Third quarter of 2012 systems revenue was \$232 million, an increase of 17%, compared with \$199 million during the third quarter of 2011. The growth in third quarter 2012 systems revenue was driven by sales of 155 *da Vinci* Surgical Systems compared with 133 system sales during the same period last year. Third quarter of 2012 service revenue increased 22% to \$88 million from \$72 million during the third quarter of 2011, reflecting growth in the installed base of *da Vinci* Surgical Systems.

Third quarter of 2012 operating income increased to \$211 million from \$179 million in the third quarter of 2011. Operating results for the third quarter of 2012 included \$47 million of non-cash stock-based compensation expense compared with \$35 million for the third quarter of 2011.

Third quarter of 2012 net income was \$183 million, or \$4.46 per diluted share, compared with \$122 million, or \$3.05 per diluted share, for the third quarter of 2011. Included in net income are one-time tax benefits of approximately \$38 million, including reserve reversals associated with the lapse of statutes of limitations.

Intuitive ended the third quarter of 2012 with \$2.7 billion in cash, cash equivalents and investments, reflecting an increase of \$70 million during the quarter. \$170 million of cash was used to repurchase 343 thousand shares in the quarter.

Commenting on the announcement, Dr. Gary Guthart, President and CEO of Intuitive Surgical, said, "Our third quarter highlighted both market strengths and significant headwinds. Procedures came in below our expectations, driven by conditions in Europe and changes in prostate cancer detection and treatment. On the positive side, acceptance of *daVinci* general and gynecologic surgery continues to grow."

The Company will also announce these results at a conference call today at 1:30 pm PDT. The dial-in numbers for the call are (800) 230-1092 for participants located in the United States and (612) 288-0337 for participants located outside the United States. The host is Dr. Gary Guthart. To access financial information that will be discussed on the call, please visit Intuitive Surgical's website at www.intuitivesurgical.com.

About Intuitive's Products

Intuitive Surgical, Inc. (NASDAQ: ISRG), headquartered in Sunnyvale, California, is the global technology leader in robotic-assisted, minimally invasive surgery. Intuitive Surgical develops, manufactures and markets robotic technologies designed to improve clinical outcomes and help patients return more quickly to active and productive lives. The Company's mission is to extend the benefits of minimally invasive surgery to the broadest possible base of patients. Intuitive Surgical — Taking surgery beyond the limits of the human hand[™].

About the da Vinci® Surgical System

The *da Vinci*[®] Surgical System is a breakthrough surgical platform designed to enable complex surgery using a minimally invasive approach. The *da Vinci*[®] Surgical System consists of an ergonomic surgeon console or consoles, a patient-side cart with three or four interactive robotic arms, a high-performance vision system and proprietary *EndoWrist*[®] instruments. Powered by state-of-the-art robotic and computer technology, the *da Vinci*[®] Surgical System is designed to scale, filter and seamlessly translate the surgeon's hand movements into more precise movements of the *EndoWrist*[®] instruments. The net result is an intuitive interface with breakthrough surgical capabilities. By providing surgeons with superior visualization, enhanced dexterity, greater precision and ergonomic

comfort, the *da Vinci*[®] Surgical System makes it possible for more surgeons to perform minimally invasive procedures involving complex dissection or reconstruction. This ultimately has the potential to raise the standard of care for complex surgeries, translating into numerous potential patient benefits, including less pain, a shorter recovery and quicker return to normal daily activities.

Intuitive[®], Intuitive Surgical[®], da Vinci[®], da Vinci[®] S HD Surgical System, da Vinci[®] Si, da Vinci[®] Si-eTM Surgical System, EndoWrist[®], EndoWrist[®] One[™], Single-SiteTM, DVSTAT[®], Firefly[™] and InSite[®] are trademarks or registered trademarks of Intuitive Surgical, Inc.

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This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are necessarily estimates reflecting the best judgment of our management and involve a number of risks and uncertainties that could cause actual results to differ materially from those suggested by the forward-looking statements. These forward-looking statements should, therefore, be considered in light of various important factors, including the following: the impact of global and regional economic and credit market conditions on health care spending; health care reform legislation in the United States and its implications on hospital spending, reimbursement and fees which will be levied on certain medical device revenues; timing and success of product development and market acceptance of developed products; procedure counts; regulatory approvals, clearances and restrictions; guidelines and recommendations in the health care and patient communities; intellectual property positions and litigation; competition in the medical device industry and in the specific markets of surgery in which we operate; unanticipated manufacturing disruptions or the inability to meet demand for products; the results of legal proceedings to which we are or may become a party; our ability to expand into foreign markets; and other risk factors under the heading "Risk Factors" in our report on Form 10-K for the year ended December 31, 2011, as updated from time to time by our quarterly reports on Form 10-Q and our other filings with the Securities and Exchange Commission. Statements concerning forecasts, revenue growth, procedure growth, future financial results and statements using Words such as "estimates," "projects," "believes," "anticipates," "plans," "expects," "intends," "may," "will," "could," "should," "targeted" and similar words and expressions are intended to identify forward-looking statements. You are cautioned not to place undue reliance on these forward-lookin

INTUITIVE SURGICAL, INC. UNAUDITED QUARTERLY CONSOLIDATED STATEMENTS OF INCOME (IN MILLIONS, EXCEPT PER SHARE DATA)

	 Three months ended			
	nber 30, 012	June 30, 2012	Sept	ember 30, 2011
Revenue:	 			
Instruments and accessories	\$ 218.0	\$223.7	\$	175.8
Systems	232.0	229.4		199.1
Services	 87.8	83.4		71.8
Total revenue	537.8	536.5		446.7
Cost of revenue:				
Product	119.3	122.9		96.2
Service	 28.4	27.2		25.0
Total cost of revenue (1)	147.7	150.1		121.2
Gross profit	390.1	386.4		325.5
Operating expenses:				
Selling, general, and administrative	129.0	120.9		111.2
Research and development	 49.7	40.2		35.4
Total operating expenses (1)	178.7	161.1		146.6
Income from operations (2)	211.4	225.3		178.9
Interest and other income (expense), net	 4.3	4.0		1.9
Income before taxes	215.7	229.3		180.8
Income tax expense	 32.4	74.4		58.4
Net income	\$ 183.3	\$154.9	\$	122.4
Net income per share:	 			
Basic	\$ 4.59	\$ 3.88	\$	3.13
Diluted	\$ 4.46	\$ 3.75	\$	3.05
Shares used in computing net income per share:	 			
Basic	39.9	39.9		39.1
Diluted	41.1	41.3		40.1
(1) Includes stock-based compensation expense as follows:				
Total cost of revenue	\$ 8.4	\$ 5.8	\$	6.1
Total operating expenses	\$ 38.9	\$ 27.5	\$	28.8
(2) Includes amortization of purchased intangibles as follows:				
Income from operations	\$ 5.4	\$ 6.1	\$	4.5

INTUITIVE SURGICAL, INC.

UNAUDITED NINE MONTHS ENDED CONSOLIDATED STATEMENTS OF INCOME (IN MILLIONS, EXCEPT PER SHARE DATA)

		Nine months ended September 30,	
D	2012	2011	
Revenue: Instruments and accessories	\$ 649.5	\$ 504.7	
Systems	668.0	552.8	
Services	252.0	203.0	
Total revenue	1,569.5	1,260.5	
Cost of revenue:	1,505.5	1,200.5	
Product	353.9	274.5	
Service	83.2	75.1	
Total cost of revenue (1)	437.1	349.6	
Gross profit	1,132.4	910.9	
Operating expenses:		51010	
Selling, general, and administrative	374.1	316.8	
Research and development	128.3	98.8	
Total operating expenses (1)	502.4	415.6	
Income from operations (2)	630.0	495.3	
Interest and other income (expense), net	12.1	11.3	
Income before taxes	642.1	506.6	
Income tax expense	160.4	162.7	
Net income	\$ 481.7	\$ 343.9	
Net income per share:			
Basic	\$ 12.10	\$ 8.77	
Diluted	\$ 11.72	\$ 8.55	
Shares used in computing net income per share:			
Basic	39.8	39.2	
Diluted	41.1	40.2	
(1) Includes stock-based compensation expense as follows:			
Total cost of revenue	\$ 20.1	\$ 17.4	
Total operating expenses	\$ 94.9	\$ 84.4	
(2) Includes amortization of purchased intangibles as follows:			
Income from operations	\$ 17.2	\$ 13.1	

INTUITIVE SURGICAL, INC. UNAUDITED CONDENSED CONSOLIDATED BALANCE SHEETS (IN MILLIONS)

	September 30, 2012		Decer	nber 31, 2011
Cash, cash equivalents and investments	\$	2,701.1	\$	2,171.8
Accounts receivable, net		336.2		297.9
Inventory		125.8		112.1
Property and equipment, net		223.4		197.2
Goodwill		138.1		116.9
Deferred tax assets		95.2		75.3
Other assets		112.4		91.9
Total assets	\$	3,732.2	\$	3,063.1
Accounts payable and other accrued liabilities	\$	266.5	\$	262.3
Deferred revenue		172.2		155.2
Total liabilities		438.7		417.5
Stockholders' equity		3,293.5		2,645.6
Total liabilities and stockholders' equity	\$	3,732.2	\$	3,063.1