

Medical Devices

INDUSTRY SUMMARY

COGENT VALUATION identified **Medical Devices** publicly traded companies, IPOs, and recent M&A transactions within the Medical Devices industry, which provides a basis for market and transaction pricing that can be used by your firm in estimating market sentiment and its impact on your firm's value. Over the last year since December 31, 2019, the median 52-week share price return of the Medical Devices industry was 47.6%. Between December 31, 2019 and December 31, 2020, the median EV/EBITDA multiple increased from 17.1 to 20.0. Furthermore, the median price-to-earnings multiple increased from 42.2 to 53.9 over the same period. The median revenue growth and EBITDA margins for the industry for the quarter were 1.9% and 10.4%, respectively.

Public Company Key Statistics

Median 52-Week
Return

30%

Median 3-Year CAGR
Return

29%

Median EV/Revenue
Multiple

4.7x

Median EV/EBITDA
Multiple

20x

Median Price/Earnings
Multiple

53.9x

Median EV/Gross CF
Multiple

38.5x

Comparable Public Company Market Price Returns as of December 31, 2020

	2020	3 Month	1 Year	2 Year	3 Year	2019	2018	2017
ABIOMED, Inc.	55.3%	55.3%	9.9%	34.8%	89.4%	66.3%	42.3%	99.0%
AngioDynamics, Inc.	3.7%	3.7%	132.4%	13.8%	7.6%	-1.4%	10.8%	56.1%
Atossa Genetics Inc.	69.6%	69.6%	-0.6%	-78.6%	-70.3%	-81.3%	-38.4%	-40.5%
AtriCure, Inc.	12.5%	12.5%	-41.3%	1.0%	15.0%	-6.8%	6.9%	170.7%
Becton, Dickinson and Company	1.2%	1.2%	7.2%	21.5%	19.9%	29.3%	25.9%	41.3%
BIOLASE, Inc.	-4.8%	-4.8%	18.1%	-18.2%	-37.7%	-69.5%	-6.6%	56.1%
Boston Scientific Corporation	10.2%	10.2%	-69.9%	33.3%	35.2%	14.6%	10.2%	109.8%
Cardiovascular Systems, Inc.	-7.4%	-7.4%	9.9%	33.3%	6.0%	-2.1%	-12.3%	173.2%
CAS Medical Systems, Inc.	63.7%	63.7%	-22.4%	-14.2%	-22.0%	-52.2%	-2.9%	-20.9%
CryoLife, Inc.	4.7%	4.7%	-13.1%	52.7%	32.0%	0.0%	2.2%	78.0%
Cutera, Inc.	10.8%	10.8%	20.4%	77.8%	60.0%	161.4%	4.9%	13.1%
Cytosorbents Corporation	8.5%	8.5%	142.8%	-0.9%	2.6%	19.3%	218.4%	-3.8%
Daxor Corporation	109.5%	109.5%	56.7%	-23.1%	-6.2%	-44.5%	2.2%	-10.1%
InspireMD, Inc.	29.2%	29.2%	29.5%	-24.5%	7.0%	-3.9%	55.5%	160.6%
LeMaitre Vascular, Inc.	-20.9%	-20.9%	-97.0%	-39.7%	-25.1%	-6.5%	-12.3%	22.5%
Merit Medical Systems, Inc.	42.9%	42.9%	47.1%	-64.0%	-53.7%	99.9%	-18.3%	107.3%
NeuroMetrix, Inc.	21.2%	21.2%	56.9%	19.9%	14.7%	65.7%	17.8%	92.4%
NuVasive, Inc.	-76.9%	-76.9%	-71.6%	-90.1%	-91.0%	-94.9%	-68.4%	-36.9%
Median of Industry Public Companies	13.8%	13.8%	88.6%	75.2%	75.9%	-7%	-4.5%	39.5%

Multiple year periods are calculated as the average annual return.

■ Highest Return
 ■ Lowest Return
 ■ Median Return

Public Company Median Multiples by Quarter

	12/31/20	9/30/20	6/30/20	3/31/19	12/31/19	9/30/19	6/30/19	3/31/19
EV/Revenues Multiple	4.7x	5.0x	4.1x	3.8x	4.1x	4.4x	4.2x	3.9x
EV/EBITDA Multiple	20.0x	19.7x	19.1x	17.8x	15.6x	17.3x	16.9x	16.4x
Price/Earnings Multiple	53.9x	48.4x	45.0x	43.7x	46.6x	45.9x	46.7x	38.5x
EV/Gross Cash Flows Multiple	38.5x	36.3x	31.1x	30.2x	29.2x	29.6x	28.9x	27.6x

 Highest Multiple
  Lowest Multiple
  Median Multiple

Industry Initial Public Offerings—Medical Devices

(dollars in millions, except share prices)

Offer Date	Company Name	Offer Price	Shares Offered	Amount Raised	Total Assets	Debt	LTM Revenues	LTM EBITDA	LTM Net Income	LTM Cash Flows
11/1/20	Medartis Holding AG	\$50.56	1.5	\$130.5	\$3.4	\$1.2	\$107.8	\$16.7	(\$0.0)	\$0.0
10/21/20	IRRAS AB	\$5.37	2.2	\$34.6	N/A	N/A	\$1.4	(\$5.6)	N/A	N/A
1/29/20	Biom'Up S.A.	\$12.44	2.5	\$45.2	\$7.1	\$0.5	\$3.3	\$0.0	(\$5.1)	(\$4.2)
12/22/19	IRRAS AB	\$5.37	6.4	\$11.4	\$18.5	\$9.9	\$3.9	(\$0.0)	(\$17.8)	(\$16.3)
11/22/18	Biom'Up S.A.	\$12.44	3.6	\$15.3	\$379.1	\$10.5	N/A	N/A	\$48.3	\$91.6
3/22/18	Sedana Medical AB (publ)	\$2.22	5.1	\$5.4	\$0.8	\$0.0	\$0.1	(\$2.3)	(\$2.3)	\$0.0
11/22/17	Acarix A/S	\$1.93	8.0	\$75.0	\$3.9	(\$0.3)	\$3.6	(\$16.5)	(\$1.1)	\$0.0
10/11/17	Neurotech International Limited	\$0.15	35.0	\$16.4	\$208.7	\$23.2	\$59.6	\$11.6	(\$18.2)	\$10.1
4/28/16	Obalon Therapeutics, Inc.	\$15.00	5.0	\$5.3	\$102.7	\$39.5	\$0.0	\$0.0	(\$58.0)	(\$34.1)
2/28/16	Invent Medic Sweden AB (publ)	\$0.13	89.3	\$1.1	\$24.4	\$28.7	\$0.1	\$0.0	(\$32.0)	(\$22.0)
11/10/15	Advanced Accelerator Applications S.A.	\$5.00	1.5	\$75.0	\$2.6	\$0.0	\$95.8	\$1.8	(\$0.7)	(\$0.7)
6/4/15	EndoChoice Holdings, Inc.	\$15.00	6.4	\$95.3	\$56.1	\$0.0	\$64.3	(\$39.7)	(\$29.1)	(\$27.6)
1/30/15	Avinger, Inc.	\$13.00	5.0	\$132.4	\$301.9	\$57.9	\$11.2	(\$23.6)	(\$41.8)	(\$2.7)
12/19/14	MedoveX Corp.	\$5.75	1.4	\$78.0	\$58.6	\$47.7	\$0.0	(\$0.7)	(\$53.4)	(\$45.0)
11/13/13	Nevro Corp.	\$18.00	7.0	\$120.0	\$48.6	\$29.3	\$29.1	(\$37.1)	(\$48.1)	(\$34.2)
10/8/13	LDR Holding Corporation	\$15.00	2.5	\$75.0	\$77.7	\$53.2	\$104.6	\$2.6	(\$15.3)	\$5.7
8/2/12	Globus Medical, Inc.	\$12.00	8.3	\$100.0	\$367.3	\$0.0	\$363.0	\$127.1	\$67.0	\$144.5
6/27/12	Tesaro, Inc.	\$13.50	6.0	\$81.0	\$93.0	\$0.0	\$0.0	(\$23.2)	(\$23.2)	(\$23.2)
4/30/12	Supernus Pharmaceuticals, Inc.	\$5.00	3.4	\$50.0	\$43.2	\$29.1	\$1.0	(\$35.5)	\$55.6	(\$34.9)
11/17/11	Sphere Medical Holding PLC	\$1.46	15.1	\$22.1	\$12.4	\$0.0	\$0.0	(\$4.5)	(\$5.1)	(\$4.2)
5/20/15	Median of all IPOs	nm	nm	\$62.5	\$43.2	\$9.1	\$11.2	(\$4.3)	(\$10.9)	(\$3.6)

Size of Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions)

Transaction Date	Target	Acquirer	Transaction Size	% Bought
11/6/20	Novate Medical Limited	BTG plc	\$150.0	76%
5/30/20	Spinal Kinetics, Inc.	Blackstone Medical, Inc.	\$105.0	100%
11/20/19	Cogentix Medical, Inc.	LM US Parent, Inc.	\$238.1	100%
4/16/18	nVision Medical Corporation	Boston Scientific Corporation	\$275.0	100%
1/23/18	Argon Medical Devices	Weigao International Medical HK	\$844.2	100%
12/1/17	Harpoon Medical, Inc.	Edwards Lifesciences Corporation	\$250.0	100%
12/1/17	JOTEC GmbH	CryoLife, Inc.	\$253.6	100%
8/31/17	Eternity Healthcare, Inc.	Team Youn Bio Medicine	\$1.2	100%
8/9/17	The Spectranetics Corporation	Philips Holding USA Inc.	\$2,117.3	100%
7/21/17	Electrical Geodesics, Inc.	Philips Holding USA Inc.	\$38.6	100%
7/13/17	Spirox, Inc.	Aytu BioScience, Inc.	\$81.3	100%
12/8/16	WOM World of Medicine AG	InnovaDerma PLC	\$132.2	100%
11/21/16	EndoChoice Holdings, Inc.	Boston Scientific	\$7.3	100%
9/16/16	Laborie Medical Technologies, Inc.	Patricia Industries AB	\$640.0	97%

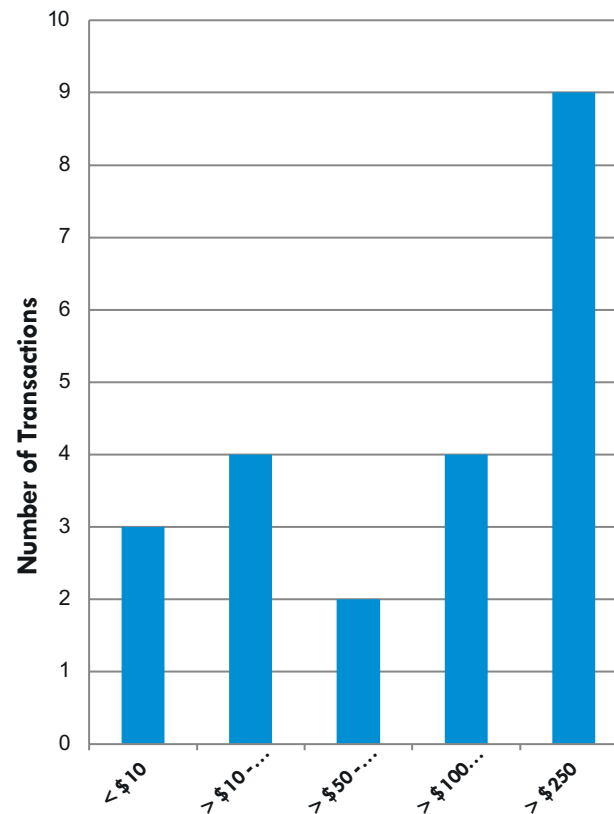
 USA
  International

(Continued on next page)

Size of Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions)

Transaction Date	Target	Acquirer	Transaction Size	% Bought
9/1/16	Magellan Diagnostics, Inc.	Meridian Bioscience, Inc.	\$66.0	100%
8/22/16	TriVascular Technologies, Inc.	Endologix, Inc.	\$173.1	100%
7/14/16	Inova Labs, Inc.	ResMed Inc.	\$110.0	100%
6/29/16	Cardiac Science Corporation	CFS 915 LLC	\$82.7	100%
5/2/16	NorMedix, Inc.	SurModics, Inc.	\$14.0	100%
4/29/16	Lazarus Effect, Inc.	Medtronic plc	\$100.0	100%
4/8/16	DreamCIS, Inc.	Hangzhou Tigermed Consulting Co.	\$28.6	98%
4/4/16	CardioInsight Technologies Inc.	Medtronic plc	\$123.0	100%
Median of the 22 M&A Transaction Targets			\$82.7	100%

Size of Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions)



Definitions of Financial Terms Used in this Quarterly Industry Update:

Enterprise Value (EV): Market Value of Equity + Market Value of Debt —Cash

Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA): Referred to as operating profit or operating earnings.

Gross Cash Flows: Net Income + Depreciation and Amortization Expense

Latest Twelve Months (LTM): Financial information is as of the latest twelve months through the date of this Quarterly Industry Update.

Disclosures and Limitations: This research report is for informational and discussion purposes only. Information presented herein is not investment advice of any kind to any person and does not constitute a recommendation as to the purchase or sale of any interests or as to any other course of action. General, financial, and statistical information concerning the details of this report and related industry are from sources Cogent Valuation believes to be reliable. Cogent Valuation has accurately reflected such information in this research report; however, Cogent Valuation makes no representation as to the sources' accuracy or completeness and has accepted this information without further verification. Neither all nor any part of the content of this report may be conveyed to the public through advertising, public relations, news, sales, mail, direct transmittal, or other media without the prior written consent of Cogent Valuation. Cogent Valuation's research is as of the date reported herein. Cogent Valuation has no affiliation with any of the companies comprising the industry used as a basis for research in this report, nor does Cogent Valuation hold any investments in the companies listed herein. The content of this report may be used, in part, as a basis for any work that Cogent Valuation performs for you in the future at the sole discretion of Cogent Valuation. THIS REPORT IS NOT TO BE USED OR CONSIDERED UNDER ANY CIRCUMSTANCE BY ANYONE AS INVESTMENT ADVICE.

COGENT VALUATION is a nationally recognized full service business valuation firm that has provided independent valuation and financial advisory opinions in thousands of situations since 1991. These assignments include the valuation of companies and pass-through entities, their securities, and their intangible assets ranging in size from small, closely-held businesses and start-ups, to corporations with market values over a billion dollars, covering almost every industry and all types of transactions. With the collective backgrounds of our managing directors and professional staff, Cogent Valuation brings substantial large deal experience to bear on our middle market transaction opinions. Cogent Valuation utilizes proprietary research, intensive due diligence, and the experience and insights of its professionals to produce thoughtful, well-documented opinions that have consistently withstood the scrutiny of clients and their advisors, investors, regulators, and courts.

This industry research is provided at no charge to Cogent Valuation's clients. Research or detailed information not covered in this report can be obtained for a fee. **Contact Steven Kam at 415-392-0888 or kam@cogentvaluation.com** for additional information or questions in connection with this research report.