

MKS INSTRUMENTS, INC.
ADJUSTED PRO FORMA REVENUE BY MARKET
2016-2019

	Equipment & Solutions Division		Light & Motion Division				Vacuum & Analysis Division		Consolidated MKS			
QUARTER ENDED	Revenue	% TOTAL	Revenue	Reclassification	Adjusted Revenue	% TOTAL	Revenue	% TOTAL	Revenue	Reclassification	Adjusted Revenue	% TOTAL
Semiconductor Market	7,188	14.0%	34,333	(8,534)	25,799	17.6%	134,676	73.3%	176,197	(8,534)	167,662	43.9%
Advanced Markets	44,298	86.0%	111,989	8,534	120,523	82.4%	49,005	26.7%	205,292	8,534	213,826	56.1%
Q1-16	51,486	100.0%	146,322	0	146,322	100.0%	183,681	100.0%	381,489	0	381,489	100.0%
Semiconductor Market	5,412	11.4%	34,705	(7,879)	26,826	17.7%	147,082	70.9%	187,199	(7,879)	179,320	44.1%
Advanced Markets	42,255	88.6%	116,569	7,879	124,448	82.3%	60,286	29.1%	219,110	7,879	226,989	55.9%
Q2-16	47,668	100.0%	151,274	0	151,274	100.0%	207,368	100.0%	406,310	0	406,310	100.0%
Semiconductor Market	3,850	13.0%	37,112	(8,552)	28,560	18.9%	172,736	75.4%	213,698	(8,552)	205,146	50.0%
Advanced Markets	25,809	87.0%	114,325	8,552	122,877	81.1%	56,486	24.6%	196,620	8,552	205,173	50.0%
Q3-16	29,659	100.0%	151,437	0	151,437	100.0%	229,223	100.0%	410,318	0	410,318	100.0%
Semiconductor Market	2,358	7.0%	38,661	(10,376)	28,285	18.5%	190,215	75.4%	231,234	(10,376)	220,858	50.3%
Advanced Markets	31,421	93.0%	114,332	10,376	124,708	81.5%	61,933	24.6%	207,686	10,376	218,062	49.7%
Q4-16	33,779	100.0%	152,993	0	152,993	100.0%	252,148	100.0%	438,920	0	438,920	100.0%
Semiconductor Market	18,808	11.6%	144,811	(35,342)	109,469	18.2%	644,709	73.9%	808,328	(35,342)	772,986	47.2%
Advanced Markets	143,783	88.4%	457,215	35,342	492,557	81.8%	227,710	26.1%	828,709	35,342	864,051	52.8%
2016 YTD TOTAL	162,591	100.0%	602,026	0	602,026	100.0%	872,420	100.0%	1,637,037	0	1,637,037	100.0%
Semiconductor Market	5,233	10.5%	41,337	(11,637)	29,700	18.7%	218,804	78.7%	265,374	(11,637)	253,737	52.1%
Advanced Markets	44,684	89.5%	117,756	11,637	129,393	81.3%	59,257	21.3%	221,697	11,637	233,333	47.9%
Q1-17	49,917	100.0%	159,093	0	159,093	100.0%	278,060	100.0%	487,070	0	487,070	100.0%
Semiconductor Market	3,459	4.8%	48,826	(12,400)	36,426	21.3%	246,092	79.4%	298,378	(12,400)	285,977	51.7%
Advanced Markets	69,224	95.2%	122,045	12,400	134,446	78.7%	63,793	20.6%	255,063	12,400	267,463	48.3%
Q2-17	72,684	100.0%	170,872	0	170,872	100.0%	309,885	100.0%	553,441	0	553,441	100.0%
Semiconductor Market	8,398	11.8%	43,707	(9,570)	34,137	19.2%	246,511	80.0%	298,616	(9,570)	289,047	51.9%
Advanced Markets	62,569	88.2%	134,291	9,570	143,860	80.8%	61,758	20.0%	258,617	9,570	268,187	48.1%
Q3-17	70,967	100.0%	177,998	0	177,998	100.0%	308,269	100.0%	557,234	0	557,234	100.0%
Semiconductor Market	9,045	8.2%	38,251	(2,250)	36,001	18.0%	248,290	79.8%	295,587	(2,250)	293,337	47.1%
Advanced Markets	101,795	91.8%	162,306	2,250	164,557	82.0%	62,952	20.2%	327,054	2,250	329,304	52.9%
Q4-17	110,841	100.0%	200,557	0	200,557	100.0%	311,242	100.0%	622,640	0	622,640	100.0%
Semiconductor Market	26,136	8.6%	172,121	(35,857)	136,264	19.2%	959,697	79.5%	1,157,954	(35,857)	1,122,098	50.5%
Advanced Markets	278,272	91.4%	536,399	35,857	572,256	80.8%	247,759	20.5%	1,062,431	35,857	1,098,287	49.5%
2017 YTD TOTAL	304,408	100.0%	708,520	0	708,520	100.0%	1,207,457	100.0%	2,220,385	0	2,220,385	100.0%
Semiconductor Market	21,502	19.0%	37,813	0	37,813	18.4%	275,701	79.1%	335,016	0	335,016	50.2%
Advanced Markets	91,890	81.0%	168,118	0	168,118	81.6%	72,643	20.9%	332,652	0	332,652	49.8%
Q1-18	113,392	100.0%	205,931	0	205,931	100.0%	348,344	100.0%	667,668	0	667,668	100.0%
Semiconductor Market	18,777	17.0%	39,493	0	39,493	19.3%	296,917	80.6%	355,187	0	355,187	51.9%
Advanced Markets	91,846	83.0%	165,320	0	165,320	80.7%	71,410	19.4%	328,576	0	328,576	48.1%
Q2-18	110,624	100.0%	204,812	0	204,812	100.0%	368,327	100.0%	683,763	0	683,763	100.0%
Semiconductor Market	11,227	13.1%	41,273	0	41,273	20.5%	218,180	76.3%	270,680	0	270,680	47.2%
Advanced Markets	74,690	86.9%	159,841	0	159,841	79.5%	67,858	23.7%	302,389	0	302,389	52.8%
Q3-18	85,917	100.0%	201,114	0	201,114	100.0%	286,038	100.0%	573,070	0	573,070	100.0%
Semiconductor Market	12,429	18.3%	40,111	0	40,111	19.8%	194,405	75.3%	246,944	0	246,944	46.7%
Advanced Markets	55,513	81.7%	162,278	0	162,278	80.2%	63,748	24.7%	281,539	0	281,539	53.3%
Q4-18	67,942	100.0%	202,388	0	202,388	100.0%	258,153	100.0%	528,483	0	528,483	100.0%
Semiconductor Market	63,935	16.9%	158,690	0	158,690	19.5%	985,203	78.1%	1,207,828	0	1,207,828	49.2%
Advanced Markets	313,940	83.1%	655,557	0	655,557	80.5%	275,659	21.9%	1,245,157	0	1,245,157	50.8%
2018 YTD TOTAL	377,876	100.0%	814,246	0	814,246	100.0%	1,260,862	100.0%	2,452,984	0	2,452,984	100.0%
Semiconductor Market	7,237	17.1%	36,897	0	36,897	19.0%	176,859	75.5%	220,993	0	220,993	47.0%
Advanced Markets	34,975	82.9%	157,091	0	157,091	81.0%	57,495	24.5%	249,561	0	249,561	53.0%
Q1-19	42,212	100.0%	193,988	0	193,988	100.0%	234,355	100.0%	470,554	0	470,554	100.0%
Semiconductor Market	7,237	17.1%	36,897	0	36,897	19.0%	176,859	75.5%	220,993	0	220,993	47.0%
Advanced Markets	34,975	82.9%	157,091	0	157,091	81.0%	57,495	24.5%	249,561	0	249,561	53.0%
2019 YTD TOTAL	42,212	100.0%	193,988	0	193,988	100.0%	234,355	100.0%	470,554	0	470,554	100.0%