

MKS INSTRUMENTS, INC.
GAAP REVENUE BY DIVISION AND MARKET
2016-2020
(in 000's)

QUARTER ENDED	Equipment & Solutions Division (1)		Light & Motion Division (2)		Vacuum & Analysis Division		Consolidated MKS	
	REVENUE	% TOTAL	REVENUE	% TOTAL	REVENUE	% TOTAL	REVENUE	% TOTAL
Semiconductor Market	0	0.0%	0	0.0%	134,676	73.3%	134,676	73.3%
Advanced Markets	0	0.0%	0	0.0%	49,005	26.7%	49,005	26.7%
Q1-16	0	0.0%	0	0.0%	183,681	100.0%	183,681	100.0%
Semiconductor Market	0	0.0%	21,934	18.5%	147,082	70.9%	169,015	51.9%
Advanced Markets	0	0.0%	96,561	81.5%	60,286	29.1%	156,846	48.1%
Q2-16	0	0.0%	118,494	100.0%	207,367	100.0%	325,861	100.0%
Semiconductor Market	0	0.0%	28,560	18.9%	172,736	75.4%	201,296	52.9%
Advanced Markets	0	0.0%	122,877	81.1%	56,486	24.6%	179,363	47.1%
Q3-16	0	0.0%	151,437	100.0%	229,223	100.0%	380,660	100.0%
Semiconductor Market	0	0.0%	28,285	18.5%	190,215	75.4%	218,500	53.9%
Advanced Markets	0	0.0%	124,708	81.5%	61,933	24.6%	186,641	46.1%
Q4-16	0	0.0%	152,993	100.0%	252,148	100.0%	405,140	100.0%
Semiconductor Market	0	0.0%	78,778	18.6%	644,709	73.9%	723,487	55.9%
Advanced Markets	0	0.0%	344,145	81.4%	227,710	26.1%	571,855	44.1%
2016 YTD TOTAL	0	0.0%	422,924	100.0%	872,420	100.0%	1,295,342	100.0%
Semiconductor Market	0	0.0%	29,700	18.7%	218,804	78.7%	248,504	56.8%
Advanced Markets	0	0.0%	129,393	81.3%	59,257	21.3%	188,650	43.2%
Q1-17	0	0.0%	159,093	100.0%	278,060	100.0%	437,153	100.0%
Semiconductor Market	0	0.0%	36,426	21.3%	246,092	79.4%	282,518	58.8%
Advanced Markets	0	0.0%	134,446	78.7%	63,793	20.6%	198,239	41.2%
Q2-17	0	0.0%	170,872	100.0%	309,885	100.0%	480,757	100.0%
Semiconductor Market	0	0.0%	34,137	19.2%	246,511	80.0%	280,649	57.7%
Advanced Markets	0	0.0%	143,860	80.8%	61,758	20.0%	205,618	42.3%
Q3-17	0	0.0%	177,998	100.0%	308,269	100.0%	486,267	100.0%
Semiconductor Market	0	0.0%	36,001	18.0%	248,290	79.8%	284,291	55.5%
Advanced Markets	0	0.0%	164,557	82.0%	62,952	20.2%	227,509	44.5%
Q4-17	0	0.0%	200,557	100.0%	311,242	100.0%	511,800	100.0%
Semiconductor Market	0	0.0%	136,264	19.2%	959,697	79.5%	1,095,961	57.2%
Advanced Markets	0	0.0%	572,256	80.8%	247,759	20.5%	820,015	42.8%
2017 YTD TOTAL	0	0.0%	708,520	100.0%	1,207,457	100.0%	1,915,977	100.0%
Semiconductor Market	0	0.0%	37,813	18.4%	275,701	79.1%	313,514	56.6%
Advanced Markets	0	0.0%	168,118	81.6%	72,643	20.9%	240,761	43.4%
Q1-18	0	0.0%	205,931	100.0%	348,344	100.0%	554,275	100.0%
Semiconductor Market	0	0.0%	39,493	19.3%	296,917	80.6%	336,410	58.7%
Advanced Markets	0	0.0%	165,320	80.7%	71,410	19.4%	236,730	41.3%
Q2-18	0	0.0%	204,812	100.0%	368,327	100.0%	573,140	100.0%
Semiconductor Market	0	0.0%	41,273	20.5%	218,180	76.3%	259,453	53.3%
Advanced Markets	0	0.0%	159,841	79.5%	67,858	23.7%	227,699	46.7%
Q3-18	0	0.0%	201,114	100.0%	286,038	100.0%	487,152	100.0%
Semiconductor Market	0	0.0%	40,111	19.8%	194,405	75.3%	234,515	50.9%
Advanced Markets	0	0.0%	162,278	80.2%	63,748	24.7%	226,026	49.1%
Q4-18	0	0.0%	202,388	100.0%	258,153	100.0%	460,541	100.0%
Semiconductor Market	0	0.0%	158,689	19.5%	985,203	78.1%	1,143,892	55.1%
Advanced Markets	0	0.0%	655,557	80.5%	275,659	21.9%	931,216	44.9%
2018 YTD TOTAL	0	0.0%	814,246	100.0%	1,260,862	100.0%	2,075,108	100.0%
Semiconductor Market	6,585	18.7%	36,897	19.0%	176,859	75.5%	220,341	47.5%
Advanced Markets	28,634	81.3%	157,091	81.0%	57,495	24.5%	243,220	52.5%
Q1-19	35,218	100.0%	193,988	100.0%	234,355	100.0%	463,561	100.0%
Semiconductor Market	3,703	6.6%	34,045	18.6%	176,267	74.8%	214,015	45.1%
Advanced Markets	52,174	93.4%	148,534	81.4%	59,388	25.2%	260,096	54.9%
Q2-19	55,877	100.0%	182,579	100.0%	235,655	100.0%	474,111	100.0%
Semiconductor Market	6,852	13.9%	33,879	19.6%	182,173	75.7%	222,903	48.2%
Advanced Markets	42,456	86.1%	138,582	80.4%	58,509	24.3%	239,546	51.8%
Q3-19	49,308	100.0%	172,460	100.0%	240,681	100.0%	462,449	100.0%
Semiconductor Market	15,089	34.9%	39,486	22.4%	216,792	77.5%	271,367	54.3%
Advanced Markets	28,189	65.1%	137,057	77.6%	63,040	22.5%	228,285	45.7%
Q4-19	43,277	100.0%	176,543	100.0%	279,831	100.0%	499,651	100.0%
Semiconductor Market	32,229	17.5%	144,307	19.9%	752,091	75.9%	928,626	48.9%
Advanced Markets	151,452	82.5%	581,263	80.1%	238,432	24.1%	971,147	51.1%
2019 YTD TOTAL	183,680	100.0%	725,570	100.0%	990,523	100.0%	1,899,773	100.0%
Semiconductor Market	10,143	19.9%	40,903	24.7%	261,568	81.9%	312,615	58.4%
Advanced Markets	40,882	80.1%	124,473	75.3%	57,738	18.1%	223,094	41.6%
Q1-20	51,025	100.0%	165,376	100.0%	319,307	100.0%	535,708	100.0%
Semiconductor Market	7,666	12.0%	41,472	25.0%	272,373	86.6%	321,511	59.1%
Advanced Markets	56,118	88.0%	124,577	75.0%	42,129	13.4%	222,824	40.9%
Q2-20	63,784	100.0%	166,049	100.0%	314,502	100.0%	544,335	100.0%
Semiconductor Market	17,808	15.5%	82,376	24.9%	533,941	84.2%	634,125	58.7%
Advanced Markets	97,000	84.5%	249,050	75.1%	99,867	15.8%	445,918	41.3%
2020 YTD TOTAL	114,809	100.0%	331,426	100.0%	633,808	100.0%	1,080,043	100.0%

(1) MKS acquired Electro Scientific Industries, Inc. on February 1, 2019. This is now called the Equipment & Solutions Division.
(2) MKS acquired Newport Corporation on April 29, 2016. This is now called the Light & Motion Division.