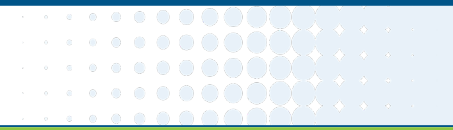




Net Revenues by End Market & Division



Notes on Presentation



Financial Information

Following the completion of its acquisition of Atotech Limited ("Atotech") on August 17, 2022, MKS Instruments, Inc. ("MKS") operates the Atotech business as its Materials Solutions Division ("MSD"). Net revenue from Atotech for periods prior to the completion of MKS' acquisition of Atotech has been adjusted from International Financial Reporting Standards as issued by the International Accounting Standards Board ("IFRS") to U.S. generally accepted accounting principles ("GAAP"). MKS has not identified material differences in Atotech's net revenue under GAAP and Atotech's historical reported net revenue under IFRS. Net revenues by end market for Atotech are based on MKS' understanding of end market uses for Atotech products and services. Totals presented may not sum and percentages may not recalculate using figures presented due to rounding. Amounts are presented in USD millions.

End Market Updates

In the fourth quarter of 2022, MKS updated its end market classifications, including replacing Advanced Electronics with Electronics & Packaging. The primary effects of this update include a) reclassifying products and services supporting light-emitting diode, laser diode and solar markets from Advanced Electronics to Specialty Industrial and b) reclassifying MSD products and services supporting wafer level packaging from Semiconductor to Electronics & Packaging.

Net Revenues by End Market & Division



Net revenues by End Market	2021					2022					2023				
	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD
Semiconductor	\$ 412	\$ 431	\$ 488	\$ 495	\$ 1,826	\$ 488	\$ 515	\$ 536	\$ 503	\$ 2,041	\$ 309	\$ 440	\$ 367	\$ 362	\$ 1,479
Electronics & Packaging	90	115	66	73	344	60	49	166	266	541	222	225	243	226	916
Specialty Industrial	192	204	188	196	780	194	201	253	316	964	263	338	322	305	1,227
	\$ 694	\$ 750	\$ 742	\$ 764	\$ 2,950	\$ 742	\$ 765	\$ 954	\$ 1,085	\$ 3,547	\$ 794	\$ 1,003	\$ 932	\$ 893	\$ 3,622

Net revenues by Division	2021					2022					2023				
	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD
Vacuum Solutions (VSD)	\$ 436	\$ 458	\$ 483	\$ 485	\$ 1,862	\$ 474	\$ 507	\$ 510	\$ 475	\$ 1,966	\$ 293	\$ 427	\$ 345	\$ 340	\$ 1,404
Photonics Solutions (PSD)	258	292	259	279	1,088	268	258	267	270	1,064	197	278	276	260	1,012
Materials Solutions (MSD)	-	-	-	-	-	-	-	177	340	517	304	298	311	293	1,206
	\$ 694	\$ 750	\$ 742	\$ 764	\$ 2,950	\$ 742	\$ 765	\$ 954	\$ 1,085	\$ 3,547	\$ 794	\$ 1,003	\$ 932	\$ 893	\$ 3,622

Pre-acquisition net revenues of Atotech, which MKS operates as MSD, has not been included.

In millions

Net Revenues by End Market



	2022					2023					Q4'23 vs Q4'22				2023 vs 2022			
	Q1	Q2	Q3	Q4	YTD	Q1	Q2	Q3	Q4	YTD	Total Change	FX	Pd	Change Excluding Fx & Pd	Total Change	FX	Pd	Change Excluding Fx & Pd
MKS⁽¹⁾																		
Semiconductor	\$ 488	\$ 515	\$ 536	\$ 503	\$ 2,041													
Electronics & Packaging	60	49	50	47	207													
Specialty Industrial	194	201	191	195	782													
	\$ 742	\$ 765	\$ 777	\$ 745	\$ 3,030	\$ 490	\$ 705	\$ 621	\$ 600	\$ 2,416	-20%	0%		-20%	-20%	0%		-20%
Atotech / MSD																		
Electronics & Packaging	\$ 232	\$ 235	\$ 239	\$ 219	\$ 925													
Specialty Industrial	126	123	126	121	496													
	\$ 358	\$ 358	\$ 364	\$ 340	\$ 1,420	\$ 304	\$ 298	\$ 311	\$ 293	\$ 1,206	-14%	0%	-5%	-9%	-15%	-2%	-3%	-10%
Combined Company⁽²⁾																		
Semiconductor	\$ 488	\$ 515	\$ 536	\$ 503	\$ 2,041	\$ 309	\$ 440	\$ 367	\$ 362	\$ 1,479	-28%	0%	0%	-28%	-28%	0%	0%	-27%
Electronics & Packaging	292	284	289	\$ 266	1,132	222	225	243	226	916	-15%	-1%	-6%	-9%	-19%	-2%	-3%	-13%
Specialty Industrial	320	324	317	\$ 316	1,277	263	338	322	305	1,227	-3%	0%	-1%	-3%	-4%	-1%	-1%	-2%
	\$ 1,100	\$ 1,123	\$ 1,141	\$ 1,085	\$ 4,450	\$ 794	\$ 1,003	\$ 932	\$ 893	\$ 3,622	-18%	0%	-2%	-16%	-19%	-1%	-1%	-17%
Consumables & Service	\$ 422	\$ 422	\$ 427	\$ 405	\$ 1,676	\$ 338	\$ 377	\$ 393	\$ 368	\$ 1,476	-9%	0%	-4%	-5%	-12%	-2%	-3%	-7%
Consumables & Service %	38%	38%	37%	37%	38%	43%	38%	42%	41%	41%								

⁽¹⁾MKS, excluding Atotech/MSD

⁽²⁾Combined Company combines the net revenues of MKS (excluding Atotech/MSD) and the net revenues of Atotech/MSD

In millions

"Total Change" represents the percentage change in net revenues

"FX" and "Pd" reflect the estimated impact of foreign exchange rates and palladium prices on net revenues, respectively

"Change Excluding FX & Pd" is the difference between "Total Change" and "FX" and "Pd"