

Global Magnesium Trade Flow Report

2026 QUARTER 1



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USA + CANADA + MEXICO

- North America total imports (USA + Canada + Mexico, excl. scrap): Q1 2026 down 9,5%, reaching 27,880 t
- USA pure magnesium: Q1 at 8.066 t; main suppliers: Israel (57,4%) and Türkiye (32%)
- USA magnesium alloys: 5,979 t in Q1 (+7,4%); South Korea supplied 3,480 t (58,2% share); Other Asia + Germany with together 24,2%
- Canada: Pure magnesium imports 3,776 t (-32,2%); alloy imports up +42,3%, both supplied almost entirely by China
- Powder imports: USA 460 t (-21,1%), mainly from Austria (74,1%); Canada exclusively from China
- Scrap imports: USA 9,381 t (-0,2%), Canada 503 t (+67,7%); largest US suppliers: Canada (1,860 t), China (2,022 t), Czech Republic (16,6% share), plus India (6%) and Mexico (12,1%)

IMPORT			2021	2022	2023	2024	Q1 2025	2025	Q1 2026	% Q1 25/26	% 24/25
Mg Pure	810411	USA	18,621	43,833	43,827	43,061	8,288	37,894	8,066	-2.7%	-12.0%
	820411	CAN	29,213	30,177	18,119	19,456	5,735	20,176	3,776	-34.2%	3.7%
	810411	MX	239	527	184	878	0	722	0		-17.7%
	810411	US+CAN+MX	50,094	76,559	64,153	63,395	14,023	58,791	11,842	-15.5%	-7.3%
Mg Alloy	810419	USA	19,010	32,872	27,801	18,486	5,568	20,877	5,979	7.4%	12.9%
	810419	CAN	27,769	25,715	21,977	18,179	3,894	19,370	5,542	42.3%	6.6%
	810419	MX	9,258	1,802	7,770	8,898	1,703	2,966	0		-66.7%
	810419	US+CAN+MX	56,037	60,389	57,548	45,563	11,166	43,214	11,521	3.2%	-5.2%
Mg Powder	810430	USA	1,852	2,470	2,061	2,193	583	1,853	460	-21.1%	-15.5%
	810430	CAN	17,643	18,141	22,731	23,217	5,049	18,130	4,057	-19.7%	-21.9%
	810430	MX	17	N/A	N/A	0	0	0	0		
	810430	US+CAN+MX	19,512	20,611	24,792	25,410	5,632	19,984	4,517	-19.8%	-21.4%
Mg Scrap	810420	USA	19,046	31,705	24,632	23,080	9,401	33,826	9,381	-0.2%	46.6%
	810420	CAN	3,029	3,297	2,604	1,000	300	1,361	503	67.7%	36.1%
	810420	MX	N/A	N/A	N/A	24	0	0	0		
	810420	US+CAN+MX	22,075	35,002	27,236	24,104	9,701	35,187	9,884	1.9%	46.0%

¹ www.comtrade.com

BIGGEST IMPORTER								
		Israel	Turkiye	Brazil	China	Canada	Russia/Kazachstan as of 2025	
Mg Pure¹ 810411 USA	2021	5,183	7,300	648	212	846	4,784	
	2022	16,264	15,579	632	3,951	2,323	4,352	
	2023	22,206	27,586	2,477	1,790	1,790	4,110	
	2024	28,147	13,596	761	916	666	209	
	Q1 2025	5,110	2,680	168	158	171	0	
	2025	23,926	6,340	1,432	545	836	0	
	Q1 2026	4,629	2,583	391	322	192	0	
		China	USA	Brazil	Slovakia	Israel	Turkiye	
Mg Pure 810411 CAN	2021	23,555	1,383	0	0	2,462	1,275	
	2022	28,441	169	0	0	907	659	
	2023	18,047	23	0	48	0	0	
	2024	19,411	42	3	0	0	0	
	Q1 2025	5,734	1	0	0	0	0	
	2025	19,887	0	0	0	0	69	
	Q1 2026	3,775	1	0	0	0	0	
		Korea	Other Asia	Hungary	Czechia	Israel	Canada	India
Mg Alloy 810419 USA	2021	1,242	2,038	1,067	5,674	2,980	0	
	2022	3,362	4,271	4,389	8,922	4,059	2,299	
	2023	4,737	2,454	2,596	9,293	2,415	2,589	
	2024	9,185	1,768	1,462	1,378	764	0	
	Q1 2025	3,423	19	192	603	93	54	0
		Korea	Other Asia	Hungary	Czechia	Israel	Germany	India
	2025	12,475	70	1,342	2,001	507	457	1,009
	Q1 2026	3,480	846	0	116	169	597	118
		China	Israel	USA	Czechia	UK	Germany	
Mg Alloy 810419 CAN	2021	14,661	3,840	3,032	0	104,091	0	
	2022	22,477	1,979	864	144	0	17,643	
	2023	18,321	811	1,512	1,196	114,441	14,799	
	2024	16,259	810	587	456	61,652	3,135	
	Q1 2025	3,591	0	195	0	13	31	
	2025	18,183	78	751	0	0	0	
	Q1 2026	5,456	0	30	0	5	0	
		Austria	Korea	Turkiye	Germany	Israel	Japan	
Mg Powder 810430 USA	2021	1,073	0	0	0	14	4	
	2022	1,252	0	176	0	168	7	
	2023	1,182	376	319	75	23	36	
	2024	1,197	589	272	62	29	17	
	Q1 2025	341	125	72	31	0	3	
	2025	1,114	250	277	109	0	84	
	Q1 2026	341	37	16	45	0	19	
		China	Germany	USA	Switzerland	India	Austria	
Mg Powder 810430 CAN	2021	17,391	0	77	3	1	0	
	2022	18,141	0	16	0	0	0	
	2023	22,684	0	32	3	0	1	
	2024	23,194	14	5	3	1	0	
	Q1 2025	5,043	0	2	0	0	0	
	2025	18,119	0	0	0	0	0	
	Q1 2026	4,052	0	0	0	0	0	
		Canada	China	Mexico	Czechia	Other Asia	India	
Mg Scrap 810420 USA	2021	8,253	1,695	4,083	75	1,118	1,541	
	2022	8,650	4,360	3,933	3,455	1,897	4,163	
	2023	10,580	3,523	3,610	555	1,358	1,604	
	2024	7,878	3,939	3,339	2,521	1,547	926	
	Q1 2025	2,135	1,673	721	2,235	575	302	
	2025	8,194	7,035	3,335	6,793	1,409	803	
	Q1 2026	1,860	2,022	1,138	1,559	468	567	

BIGGEST IMPORTER								
		Israel	Turkiye	Brazil	China	Canada	Russia	
Mg Pure¹ 810411 USA	2021	27.8%	39.2%	3.5%	1.1%	4.5%	23.4%	
	2022	37.1%	35.5%	1.4%	9.0%	5.3%	9.4%	
	2023	39.8%	49.4%	4.4%	3.2%	3.2%	0.4%	
	2024	41.5%	20.1%	1.1%	1.4%	1.0%	0.0%	
	Q1 2025	61.7%	32.3%	2.0%	1.9%	2.1%	0.0%	
	2025	63.1%	16.7%	3.8%	1.4%	2.2%	0.0%	
	Q1 2026	57.4%	32.0%	4.8%	4.0%	2.4%	0.0%	
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Mg Pure 810411 CAN	2021	80.6%	4.7%	0.0%	0.0%	8.4%	4.4%	
	2022	94.2%	0.6%	0.0%	0.0%	3.0%	2.2%	
	2023	99.6%	0.1%	0.0%	0.3%	0.0%	0.0%	
	2024	99.8%	0.2%	0.0%	0.0%	0.0%	0.0%	
	Q1 2025	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	2025	98.6%	0.0%	0.0%	0.0%	0.0%	0.3%	
	Q1 2026	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
		Korea	Other Asia	Hungary	Czechia	Israel	Canada	India
Mg Alloy 810419 USA	2021	5.8%	9.6%	5.0%	26.6%	14.0%	0.0%	0.0%
	2022	15.8%	20.1%	20.6%	41.9%	19.1%	10.8%	1.4%
	2023	22.2%	11.5%	12.2%	43.6%	11.3%	12.2%	0.9%
	2024	43.1%	8.3%	6.9%	6.5%	3.6%	0.0%	0.8%
	Q1 2025	61.5%	0.3%	3.4%	10.8%	1.7%	1.0%	0.0%
		Korea	Other Asia	Hungary	Czechia	Israel	Germany	India
	2025	59.8%	0.3%	6.4%	9.6%	2.4%	2.2%	4.8%
	Q1 2026	58.2%	14.2%	0.0%	1.9%	2.8%	10.0%	2.0%
		China	Israel	USA	Czechia	UK	Germany	
Mg Alloy 810419 CAN	2021	52.8%	13.8%	10.9%	0.0%	0.4%	0.0%	
	2022	87.4%	7.7%	3.4%	0.6%	0.0%	0.1%	
	2023	83.4%	3.7%	6.9%	5.4%	0.5%	0.1%	
	2024	89.4%	4.5%	3.2%	2.5%	0.3%	0.0%	
	Q1 2025	92.2%	0.0%	5.0%	0.0%	0.3%	0.8%	
	2025	93.9%	0.4%	3.9%	0.0%	0.0%	0.0%	
	Q1 2026	98.5%	0.0%	0.5%	0.0%	0.1%	0.0%	
		China	Germany	USA	Switzerland	India	Austria	
Mg Powder 810430 USA	2021	57.9%	0.0%	0.0%	0.0%	0.8%	0.2%	
	2022	50.7%	0.0%	7.1%	0.0%	6.8%	0.3%	
	2023	57.4%	18.2%	15.5%	3.6%	1.1%	1.7%	
	2024	54.6%	26.9%	12.4%	2.8%	1.3%	0.8%	
	Q1 2025	58.5%	21.4%	12.4%	5.4%	0.0%	0.5%	
	2025	60.1%	13.5%	15.0%	5.9%	0.0%	4.5%	
	Q1 2026	74.1%	8.0%	3.4%	9.7%	0.0%	4.1%	
		China	Germany	USA	Switzerland	India	Austria	
Mg Powder 810430 CAN	2021	98.6%	0.0%	0.4%	0.0%	0.0%	0.0%	
	2022	100.0%	0.0%	0.1%	0.0%	0.0%	0.0%	
	2023	99.8%	0.0%	0.1%	0.0%	0.0%	0.0%	
	2024	99.9%	0.1%	0.0%	0.0%	0.0%	0.0%	
	Q1 2025	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	2025	99.9%	0.0%	0.0%	0.0%	0.0%	0.0%	
	Q1 2026	99.9%	0.0%	0.0%	0.0%	0.0%	0.0%	
		Canada	China	Mexico	Czechia	Other Asia	India	
Mg Scrap 810420 USA	2021	43.3%	8.9%	21.4%	0.4%	5.9%	8.1%	
	2022	27.3%	13.8%	12.4%	10.9%	6.0%	13.1%	
	2023	43.0%	14.3%	14.7%	2.3%	5.5%	6.5%	
	2024	34.1%	17.1%	14.5%	10.9%	6.7%	4.0%	
	Q1 2025	22.7%	17.8%	7.7%	23.8%	6.1%	3.2%	
	2025	24.2%	20.8%	9.9%	20.1%	4.2%	2.4%	
	Q1 2026	19.8%	21.6%	12.1%	16.6%	5.0%	6.0%	

¹ www.comtrade.com

EUROPE (EU30) – EU+UK+NOR+CH)

- EU30 magnesium market: 40,537 t; Continued high import dependency; Q1 imports -8,6% compared to Q1 26'. China >95% of total supply
- Pure magnesium: 22,117 t (-12.4%); China 95,2% share, Israel 3,7%; no EU primary production
- Magnesium alloys: 12,435 t (-3,8%); 99% imported from China
- Magnesium powder: 6,003 t; China dominant with 99% share
- Scrap flows: Exports at 2,157 t (-34,7%), mainly to the US (94,4%); imports from Tunisia at 33,8% with 456 t

Import			2021	2022	2023	2024	Q1 2025	2025	Q1 2026	% Q4 24/25	% 24/25
Mg Pure	810411	EU-27	79,871	97,323	59,552	70,198	20,211	67,333	16,984	-3.1%	-4.1%
	820411	UK	2,398	2,698	2,299	2,924	1,170	3,516	949	-13.4%	20.2%
	810411	NOR	17,850	16,522	15,000	14,360	3,505	14,646	3,713	3.2%	2.0%
	810411	Switzerland	1,802	2,935	1,286	1,527	356	1,977	471	-45.9%	9.0%
	810411	EU+UK+CH+NOR	101,921	119,478	78,137	89,009	25,242	87,471	22,117	-3.3%	-2.1%
Mg Alloy	810419	EU-27	54,687	73,978	54,245	41,678	11,916	42,690	11,414	2.7%	2.4%
	810419	UK	132	154	155	110	31	122	16	-12.9%	11.0%
	810419	NOR	127	1,057	404	338	49	219	0	-13.8%	-35.3%
	810419	Switzerland	3,017	3,493	3,882	4,361	953	4,272	1,024	45.9%	4.0%
	810419	EU+UK+NOR+CH	57,963	78,682	58,686	46,487	12,949	47,303	12,453	6.0%	2.3%
Mg Powder	810430	EU-27	26,122	24,717	23,534	24,373	20,211	23,298	5,259	12.7%	-4.4%
	810430	UK	2,482	2,561	2,498	1,387	1,170	956	253	64.5%	-31.1%
	810430	Switzerland	996	1,245	1,252	898	380	981	490	75.4%	9.0%
	810430	EU+UK+NOR+CH	29,602	28,526	27,287	26,661	6,177	25,241	6,003	15.5%	-5.3%
Mg Scrap	810420	EU-27	5,912	6,007	4,611	5,003	1,659	7,621	1,349	31.3%	52.3%
	810420	EU	5,912	6,007	4,611	5,003	1,659	7,621	1,349	31.3%	52.3%
Export			2021	2022	2023	2024	Q1 2025	2025	Q1 2026	% Q4 24/25	% 24/25
Mg Scrap	810411	EU-27	8,925	9,441	4,011	7,004	3,303	10,405	2,157	24.4%	48.6%
	810411	Switzerland	1,984	2,016	2,367	2,458	625	2,593	696	72.4%	10.5%
	810411	EU + CH	10,908	11,457	6,378	9,462	3,928	12,998	2,854	33.6%	38.7%

BIGGEST IMPORTER							
		China	Israel	HK, SAR	Russia	India	Turkyje
Mg Pure 810411 EU27	2022	91,859	1,851	0	1,337	0	1,818
	2023	58,470	922	50	24	21	15
	2024	66,925	2,749	127	98	20	34
	Q1 2025	18,628	1,340	100	0	20	19
	2025	62,689	4,087	166	99	70	169
	Q1 2026	16,176	625	0	0	0	182
		China	Italy	Germany	Austria	Greece	Turkiye
Mg Pure 810411 Norway	2022	14,933	100	150	0	0	875
	2023	14,476	400	50	25	25	23
	2024	13,510	601	125	25	0	0
	Q1 2025	3,380	0	125	0	0	0
	2025	13,822	348	251	0	0	0
	Q1 2026	3537.943	100	75	0	0	0
		China	UK	Serbia	Korea	Israel	US
Mg Alloy 810419 EU-27	2022	73,194	112	232	0	296	0
	2023	54,031	96	48	25	25	0
	2024	40,810	107	0	21	21	0
	Q1 2025	11,774	34	0	0	0	0
	2025	42,246	105	0	0	62	0
	Q1 2026	11,910	26	40	5	19	0
		Czechia	China	Germany	Austria	Italy	
Mg Alloy 810419 Switzerland	2022	3,389	52	0	48	3	
	2023	3,716	163	2	0	0	
	2024	4,090	246	25	0	0	
	Q1 2025	853	99	1	0	0	
	2025	3,628	569	53	24	0	
	Q1 2026	901	98	0	0	0	
		China	US	Turkiye	CH	India	Russia
Mg Powder 810430 EU 27	2022	23,363	220	652	157	96	222
	2023	22,401	356	189	169	148	143
	2024	23,221	372	36	206	361	20
	Q1 2025	5,543	50	42	55	0	0
	2025	22,400	267	99	234	0	0
	Q1 2026	5,205	0	0	10	0	0
		CH	Mexico	India	USA	China	Israel /Tunesia as of 2025
Mg Scrap 810420 EU 27	2022	2,029	126	656	937	704	402
	2023	2,368	488	344	316	238	148
	2024	2,472	638	460	554	238	62
	Q1 2025	624	224	53	0	363	100
	2025	2,591	692	678	137	1,854	1,044
	Q1 2026	558	0	66	0	146	456
BIGGEST EXPORTER (base 2023, 2024)							
		USA	Brazil	Canada	India	Ukraine	UK
Mg Scrap 810420 EU 27	2021	1,700	1,426	1,788	20	2,316	0
	2022	4,831	2,614	473	12	328	17
	2023	2,339	906	409	110	110	82
	2024	5,445	1,420	0	2	20	73
	Q1 2025	2,771	472	0	0	0	28
	2025	8,874	1,013	48	247	0	171
	Q1 2026	2,037	68	0	30	0	99

BIGGEST IMPORTER						
		China	Israel	HK, SAR	Russia	India
Mg Pure 810411 EU27	2021	91.8%	5.6%	0.2%	1.0%	0.0%
	2022	94.4%	1.9%	0.0%	1.4%	0.0%
	2023	98.2%	1.5%	0.1%	0.0%	0.0%
	2024	95.3%	3.9%	0.2%	0.1%	0.0%
	Q1 2025	92.2%	6.6%	0.5%	0.0%	
	2025	93.1%	6.1%	0.2%	0.1%	
	Q1 2026	95.2%	3.7%	0.0%	0.0%	
		China	Italy	Germany	Austria	Greece
Mg Pure 810411 Norway	2021	90.8%	0.4%	0.3%	0.9%	0.0%
	2022	90.4%	0.6%	0.9%	0.0%	0.0%
	2023	96.5%	2.7%	0.3%	0.2%	0.2%
	2024	94.1%	4.2%	0.9%	0.2%	0.0%
	Q1 2025	96.4%	0.0%	3.6%	0.0%	
	2025	94.4%	2.4%	1.7%	0.0%	
	Q1 2026	95.3%	2.7%	2.0%	0.0%	
		China	UK	Serbia	Korea	Israel
Mg Alloy 810419 EU-27	2021	96.5%	0.3%	2.1%	0.1%	0.6%
	2022	98.9%	0.2%	0.3%	0.0%	0.4%
	2023	99.6%	0.2%	0.1%	0.0%	0.0%
	2024	97.9%	0.3%	0.0%	0.1%	0.1%
	Q1 2025	98.8%	0.3%	0.0%	0.0%	
	2025	99.0%	0.2%	0.0%	0.0%	
	Q1 2026	104.3%	0.2%	0.4%	0.0%	
		Czechia	China	Germany	Austria	Italy
Mg Alloy 810419 Switzerland	2021	84.1%	10.1%	4.7%	1.2%	0.0%
	2022	97.0%	1.5%	0.0%	1.4%	0.1%
	2023	95.7%	4.2%	0.1%	0.0%	0.0%
	2024	93.8%	5.6%	0.6%	0.0%	0.0%
	Q1 2025	89.4%	10.4%	0.1%	0.0%	
	2025	84.9%	13.3%	1.2%	0.6%	
	Q1 2026	88.0%	9.6%	0.0%	0.0%	
		China	US	Turkiye	Switzerland	India
Mg Powder 810430 EU 27	2021	92.3%	2.1%	1.8%	0.8%	0.0%
	2022	94.5%	0.9%	2.6%	0.6%	0.4%
	2023	95.2%	1.5%	0.8%	0.7%	0.6%
	2024	95.3%	1.5%	0.1%	0.8%	1.5%
	Q1 2025	96.0%	0.9%	0.7%	1.0%	
	2025	96.1%	1.1%	0.4%	1.0%	
	Q1 2026	99.0%	0.0%	0.0%	0.2%	
		Switzerland	Mexico	India	USA	China
Mg Scrap 810420 EU 27	2021	32.8%	4.0%	20.3%	9.1%	0.4%
	2022	33.8%	2.1%	10.9%	15.6%	11.7%
	2023	51.4%	10.6%	7.5%	6.8%	5.2%
	2024	49.4%	12.8%	9.2%	11.1%	4.8%
	Q1 2025	37.6%	13.5%	3.2%	0.0%	
	2025	34.0%	9.1%	8.9%	1.8%	
	Q1 2026	41.3%	0.0%	4.9%	0.0%	
BIGGEST EXPORTER (base 2023, 2024)						
		USA	Brazil	Canada	India	Ukraine
Mg Scrap 810420 EU 27	2021	19.0%	16.0%	20.0%	0.2%	26.0%
	2022	51.2%	27.7%	5.0%	0.1%	3.5%
	2023	58.3%	22.6%	10.2%	2.7%	2.7%
	2024	77.7%	20.3%	0.0%	0.0%	0.3%
	Q1 2025	83.9%	14.3%	0.0%	0.0%	
	2025	85.3%	9.7%	0.5%	2.4%	
	Q1 2026	94.4%	3.1%	0.0%	1.4%	

CHINA

- Total Chinese magnesium exports reached 120,179 metric tonnes in 1Q 2026, with pure magnesium exports increasing by 6,1% quarter on quarter to 68,636 tonnes, while magnesium alloy exports increased by 16,2% to 27,115 tonnes.
- Exports of raspings, turnings, granules and powders remained stable, whereas the category "Others" recorded a decline of 4,5%.

Export		2020	2021	2022	2023	2024	Q4 2025	2025	Q1 2026	% Q1 25/26
810411	ALL	203,527	256,489	272,818	213,774	265,964	57,522	251,271	68,636	6.1%
820419	ALL	107,166	104,653	137,219	103,987	95,328	24,800	94,216	27,115	16.2%
810430	ALL	68,918	69,876	67,611	73,727	82,529	17,291	74,797	18,508	0.0%
810420	ALL	6,617	3,297	8,952	6,263	7,563	5,415	22,596	5,920	-4.5%
SUM	ALL	388,249	436,335	488,623	399,775	453,409	105,028	442,880	120,179	6.6%
Export		2020	2021	2022	2023	2024	Q4 2025	2025	Q1 2026	
810411	ALL	52.4%	58.8%	55.8%	53.5%	58.7%	54.8%	56.7%	57.1%	
820419	ALL	27.6%	24.0%	28.1%	26.0%	21.0%	23.6%	21.3%	22.6%	
810430	ALL	17.8%	16.0%	13.8%	18.4%	18.2%	16.5%	16.9%	15.4%	
810420	ALL	1.7%	0.8%	1.8%	1.6%	1.7%	5.2%	5.1%	4.9%	
							100.0%	100.0%	100.0%	

BIGGEST IMPORTER

Mg Pure 810411 CHINA		Nether-lands	India	Canada	Japan	Korea	Russia	UAE	Bahrain	Türkiye	Thailand	Greece	SA	Saudi Arabia	
	2021	75,865	15,781	26,132	23,884	13,566	7,071	11,340	6,850	5,162	0	5,364	4,881	5,943	
	2022	68,298	22,120	22,787	17,746	14,314	6,347	13,853	8,276	18,840	5,530	7,341	4,146	0	
	2023	54,571	24,727	17,732	16,983	14,154	9,483	9,027	6,592	5,986	4,880	4,560	3,943	3,297	
	2024	69,376	26,242	21,022	19,849	23,335	4,031	15,157	7,589	10,067	3,859	4,464	3,833	4,907	
	July 2025	4,414	2,410	1,343	1,493			576							
Mg Alloy 810419 CHINA		Nether-lands	Canada	Mexico	Korea	Romania	Czechia	France	Germany	Spain	USA	India	Poland	Other Asia	Japan
	2021	24,560	13,508	2,970	5,526	7,349	0	2,215	0	3,478	4,222	1,160	4,569	9,923	6,370
	2022	28,376	21,494	7,137	8,210	8,913	9,102	2,936	4,682	4,374	5,836	1,546	5,037	10,418	0
	2023	20,592	17,201	8,975	7,855	7,615	3,831	3,265	3,085	2,950	2,302	1,698	0	0	0
	2024	18,066	17,332	8,394	3,947	4,928	0	2,801	3,891	2,882	2,239	2,390	5,694	5,503	5,134
	Q2 2025	4,020	5,286	2,399	1,170	804	38	220	2,445	1,031	922	236	875	0	1,852

BIGGEST IMPORTER

Mg Powder 810430 CHINA																
		Canada	Nether-lands	Turkiye	India	Slovakia	SA	Japan	UK		Poland	Korea	Slovenia	Portugal	Thailand	Vietnam
	2021	18,424	14,103	7,037	5,859	5,424	3,053	3,733	1,512		914	965	1,014	620	599	0
	2022	15,110	10,745	10,200	7,234	5,376	2,885	3,433	1,858	1,680	851	753	1,120	810	731	
	2023	22,062	12,343	8,413	7,781	5,597	3,224	2,884	1,800	1,350	1,168	947	840	734	706	
	2024	25,636	14,935	10,436	9,694	4,712	3,185	2,806	1,018	1,573	1,400	301	400	892	1,348	
	Q1 2025	3,630	3,628	2,112	2,769	816	370									
	Q2 2025	4,427	4,882	4,572	1,884	1,185	760									
July 2025	1,968	932	928	685	158	475										
Mg Scrap 810420 CHINA																
		USA	Canada	Korea	Nether-lands	Slovakia	Brazil	Japan	Other Asia		Germany	India	Pakistan	Czechia	Italy	China HK
	2020	4,574	38	22	0	0	0	0	1,890		0	0	0	0	0	94
	2021	1,812	615	2	262	0	0	74	428		0	0	3	64	37	0
	2022	4,155	2,959	604	546	0	617	46	0		24	0	2	0	0	0
	2023	3,405	1,929	541	142	110	81	29	26		0	0	0	0	0	0
	2024	3,985	1,354	1,586	332	44	87	0	154		0	0	0	0	0	1

BIGGEST IMPORTER

		Nether-lands	India	Canada	Japan	Korea	Russia	UAE	Bahrain	Turkiye	Thailand	Greece	SA	Saudi Arabia	
Mg Pure 810411 CHINA	2021	29.6%	6.2%	10.2%	9.3%	5.3%	2.8%	4.4%	2.7%	2.0%	0.0%	2.1%	1.9%	2.3%	
	2022	25.0%	8.1%	8.4%	6.5%	5.2%	2.3%	5.1%	3.0%	6.9%	2.0%	2.7%	1.5%	0.0%	
	2023	25.5%	11.6%	8.3%	7.9%	6.6%	4.4%	4.2%	3.1%	2.8%	2.3%	2.1%	1.8%	1.5%	
	2024	26.1%	9.9%	7.9%	7.5%	8.8%	1.5%	5.7%	2.9%	3.8%	1.5%	1.7%	1.4%	1.8%	
	July 2025	20.4%	11.1%	6.2%	6.9%			2.7%							
Mg Alloy 810419 CHINA		Nether-lands	Canada	Mexico	Korea	Roma-nia	Czechia	France	Germa-ny	Spain	USA	India	Poland	Other Asia	Japan
	2021	23.5%	12.9%	2.8%	5.3%	7.0%	0.0%	2.1%	0.0%	3.3%	4.0%	1.1%	4.4%	9.5%	6.1%
	2022	20.7%	15.7%	5.2%	6.0%	6.5%	6.6%	2.1%	3.4%	3.2%	4.3%	1.1%	3.7%	7.6%	0.0%
	2023	19.8%	16.5%	8.6%	7.6%	7.3%	3.7%	3.1%	3.0%	2.8%	2.2%	1.6%	0.0%	0.0%	0.0%
	2024	19.0%	18.2%	8.8%	4.1%	5.2%	0.0%	2.9%	4.1%	3.0%	2.3%	2.5%	6.0%	5.8%	5.4%
	July 2025	23.8%	9.6%	12.3%		2.5%									
Mg Powder 810430 CHINA		Canada	Neth-erlands	Turkiye	India	Slova-kia	SA	Japan	UK	Poland	Korea	Slove-nia	Portu-gal	Thailand	
	2021	26.4%	20.2%	10.1%	8.4%	7.8%	4.4%	5.3%	2.2%	1.3%	1.4%	1.5%	0.9%	0.9%	0.0%
	2022	22.3%	15.9%	15.1%	10.7%	8.0%	4.3%	5.1%	2.7%	2.5%	1.3%	1.1%	1.7%	1.2%	1.1%
	2023	29.9%	16.7%	11.4%	10.6%	7.6%	4.4%	3.9%	2.4%	1.8%	1.6%	1.3%	1.1%	1.0%	1.0%
	2024	31.1%	18.1%	12.6%	11.7%	5.7%	3.9%	3.4%	1.2%	1.9%	1.7%	0.4%	0.5%	1.1%	1.6%
	July 2025	30.9%	14.6%	14.6%	10.8%	2.5%	7.5%								
Mg Scrap 810420 CHINA		USA	Canada	Korea	Neth-er-lands	Slova-kia	Brazil	Japan	Other Asia	Germa-ny	India	Paki-stan	Cze-chia	Italy	
	2020	69.1%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%	28.6%	0.0%	0.0%	0.0%	0.0%	0.0%	
	2021	55.0%	18.7%	0.1%	8.0%	0.0%	0.0%	2.2%	13.0%	0.0%	0.0%	0.1%	1.9%	1.1%	
	2022	46.4%	33.1%	6.7%	6.1%	0.0%	6.9%	0.5%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	
	2023	54.4%	30.8%	8.6%	2.3%	1.8%	1.3%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	
	2024	52.7%	17.9%	21.0%	4.4%	0.6%	1.1%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

EAST ASIA (JAPAN + KOREA + THAILAND)

Import			2020	2021	2022	2023	2024	Q4 2025	2025	Q1 2026	% Q4 24/25	% 24/25
Mg Pure	810411	Japan	20,951	26,124	17,493	18,441	20,319	5,629	19,642	5,663	0.0%	-3.3%
	810411	South Korea	12,712	14,928	13,263	13,219	21,309	4,466	23,885			12.1%
	810411	Thailand	3,468	6,204	5,524	4,353	3,829	1,212	4,642			21.3%
	810411	JP-KOR-THAI	39,150	49,278	38,301	38,036	47,481	11,307	48,170			1.4%
Mg Alloy	810419	Japan	4,761	6,055	5,552	5,172	5,751	1,569	7,128	2,799	0.1%	23.9%
	810419	South Korea	7,074	6,194	8,723	7,859	5,481	1,338	4,052			-26.1%
	810419	Thailand	1,430	1,911	2,119	2,352	2,805	1,075	2,999			6.9%
	810419	JP-KOR-THAI	13,265	14,160	16,394	15,382	14,037	3,982	14,178			1.0%
Mg Powder	810430	Japan	3,476	3,240	1,430	1,634	1,010	159	803	258	0.7%	-20.5%
	810430	South Korea	1,210	942	852	1,209	1,460	226	1,208			-17.2%
	810430	Thailand	7	37	30	92	25	18	99			302.4%
	810430	JP-KOR-THAI	4,693	4,219	2,312	2,935	2,495	403	2,110			-15.4%
Mg Scrap	810420	Japan	363	565	797	865	875	239	782	120	0.4%	-10.6%
	810420	South Korea	931	1,688	2,144	1,414	2,851	1,010	3,544			24.3%
	810420	Thailand	638	586	432	281	343	88	295			-14.0%
	810420	JP-KOR-THAI	1,932	2,839	3,373	2,560	4,069	1,337	4,621			13.6%

BIGGEST IMPORTER							
		China	Israel	Brazil	Türkiye	South Korea	USA
Mg Pure 810411 Japan	2021	25,888	236	0	0	0	0
	2022	17,413	61	0	0	0	0
	2023	18,362	79	0	0	0	0
	2024	20,074	119	60	45	20	1
	Q1 2025	4,076	20	0	0	0	0
	2025	19,421	99	0	123	0	0
	Q1 2026	5,559	20	0	26	0	0
		China	USA	Singapore	Türkiye	Norway	0
Mg Pure 810411 South Korea	2021	14,882	8	0	39	0	
	2022	13,256	6	0	0	0	
	2023	13,204	14	0	0	0	
	2024	21,304	6	1	1	0	
		China	Japan	Other Asia	USA		
Mg Pure 810411 Thailand	2021	6,197	0	0	8		
	2022	5,512	0	0	12		
	2023	4,338	0	15	0		
	2024	3,777	40	12	0		

BIGGEST IMPORTER							
		China	UK	Other Asia	South Korea	Israel	Brazil
Mg Alloy 810419 Japan	2021	5,581	209	0	217	38	10
	2022	4,932	483	0	137	0	0
	2023	4,595	575	1	21	0	0
	2024	4,976	754	60	45	0	0
	Q1 2025	1,845	147	0	0	0	0
	2025	6,491	579	0	60	0	0
	Q1 2026	2,241	77	0	480	0	0
		China	Switzerland	Japan	USA	China, HK	UK
Mg Alloy 810419 South Korea	2021	903	2	2	31	0	0
	2022	804	16	2	29	0	3
	2023	1,198	5	4	3	0	0
	2024	1,450	1	7	1	0	3
		China	Austria	Switzerland	Korea	USA	France
Mg Powder 810430 Japan	2021	3,133	22	3	1	0	34
	2022	1,320	29	2	2	1	17
	2023	1,582	38	2	2	0	10
	2024	988	17	2	2	1	0
	2025	747	27	2	3	1	23
	Q1 2026	241	17	0	0	0	0
		China	Switzerland	Japan	USA	China, HK	
Mg Powder 810430 South Korea	2021	903	2	2	31	0	
	2022	804	16	2	29	0	
	2023	1,198	5	4	3	0	
	2024	1,450	1	7	1	0	
		Thailand	China	Other Asia	Netherlands	Indonesia	India
Mg Scrap 810420 Japan	2021	342	50	151	0	0	0
	2022	375	106	317	0	0	0
	2023	561	109	125	20	25	25
	2024	618	121	100	36	0	0
	Q1 2025	185	3	0	1	0	9
	2025	548	60	74	18	50	22
	Q1 2026	25	40	14	0	40	1
		Other Asia	China	Indonesia	India	Philippines	
Mg Scrap 810420 South Korea	2021	1,273	2	0	61	0	
	2022	931	863	0	58	8	
	2023	591	453	146	107	43	
	2024	684	1,811	73	40	0	
		Vietnam	Japan	China	0	0	
Mg Scrap 810420 Thailand	2021	586	0	0	0	0	
	2022	365	64	3	0	0	
	2023	281	0	0	0	0	
	2024	317	26	0	0	0	

BIGGEST IMPORTER						
		China	Israel	Brazil	Türkiye	South Korea
Mg Pure 810411 Japan	2021	99.1%	0.9%	0.0%	0.0%	0.0%
	2022	99.5%	0.3%	0.0%	0.0%	0.0%
	2023	99.6%	0.4%	0.0%	0.0%	0.0%
	2024	98.8%	0.6%	0.3%	0.2%	0.1%
	Q1 2025	99.5%	0.5%	0.0%	0.0%	0.0%
	2025	98.9%	0.5%	0.0%	0.6%	0.0%
	Q1 2026	98.2%	0.4%	0.0%	0.5%	0.0%
		China	USA	Singapore	Türkiye	Norway
Mg Pure 810411 South Korea	2021	99.7%	0.1%	0.0%	0.3%	0.0%
	2022	99.9%	0.0%	0.0%	0.0%	0.0%
	2023	99.9%	0.1%	0.0%	0.0%	0.0%
	2024	100.0%	0.0%	0.0%	0.0%	0.0%
		China	Japan	Other Asia	USA	
Mg Pure 810411 Thailand	2021	99.9%	0.0%	0.0%	0.1%	
	2022	99.8%	0.0%	0.0%	0.2%	
	2023	99.6%	0.0%	0.4%	0.0%	
	2024	98.6%	1.0%	0.3%	0.0%	
		China	UK	Other Asia	South Korea	Israel
Mg Alloy 810419 Japan	2021	92.2%	3.4%	0.0%	3.6%	0.6%
	2022	88.8%	8.7%	0.0%	2.5%	0.0%
	2023	88.9%	11.1%	0.0%	0.4%	0.0%
	2024	86.5%	13.1%	1.0%	0.8%	0.0%
	Q1 2025	92.7%	7.4%	0.0%	0.0%	0.0%
	2025	91.1%	8.1%	0.0%	0.8%	0.0%
	Q1 2026	80.1%	2.7%	0.0%	17.2%	0.0%
		China	Other Asia	India	Canada	Brazil
Mg Alloy 810419 South Korea	2021	97.7%	1.9%	0.0%	0.0%	0.0%
	2022	96.8%	0.1%	0.0%	0.0%	0.0%
	2023	99.5%	0.3%	0.0%	0.0%	0.0%
	2024	96.9%	1.8%	0.8%	0.3%	0.1%
		China	Austria	Switzerland	Korea	USA
Mg Powder 810430 Japan	2021	96.7%	0.7%	0.1%	0.0%	0.0%
	2022	92.3%	2.0%	0.2%	0.1%	0.1%
	2023	96.8%	2.3%	0.1%	0.1%	0.0%
	2024	97.8%	1.7%	0.2%	0.1%	0.1%
	2025	93.1%	3.4%	0.2%	0.3%	0.1%
	Q1 2026	93.1%	6.5%	0.0%	0.0%	0.0%
		China	Switzerland	Japan	USA	China, HK
Mg Powder 810430 South Korea	2021	95.9%	0.2%	0.2%	3.2%	0.0%
	2022	94.4%	1.9%	0.2%	3.4%	0.0%
	2023	99.0%	0.4%	0.3%	0.2%	0.0%
	2024	99.4%	0.1%	0.5%	0.1%	0.0%
		Thailand	China	Other Asia	Netherlands	Indonesia
Mg Scrap 810420 Japan	2021	60.5%	8.8%	26.8%	0.0%	0.0%
	2022	47.0%	13.3%	39.7%	0.0%	0.0%
	2023	64.9%	12.6%	14.5%	2.3%	2.9%
	2024	70.7%	13.8%	11.4%	4.1%	0.0%
	Q1 2025	93.5%	1.5%	0.1%	0.3%	0.2%
	2025	70.0%	7.7%	9.5%	2.3%	6.4%
	Q1 2026	20.8%	33.4%	11.6%	0.0%	33.3%
		Other Asia	China	Indonesia	India	Philippines
Mg Scrap 810420 South Korea	2021	75.4%	0.1%	0.0%	3.6%	0.0%
	2022	43.4%	40.3%	0.0%	2.7%	0.4%
	2023	41.8%	32.0%	10.3%	7.6%	3.0%
	2024	24.0%	63.5%	2.6%	1.4%	0.0%
		Vietnam	Japan	China		
Mg Scrap 810420 Thailand	2021	100.0%	0.0%	0.0%		
	2022	84.6%	14.7%	0.7%		
	2023	100.0%	0.0%	0.0%		
	2024	92.3%	7.7%	0.0%		

Magnesium LCA – Carbon Footprint Overview

External Database

Ongoing Mg primary projects				
		IMA report 2020 inc. credits kg CO ₂ eq/kg Mg	External references kg CO ₂ eq/kg Mg	
Australia	Latrobe Magnesium	7.35	1.5	Latrobe Annual Meeting 2022; 100.000 mt Ferro Ni slag
Romania	Verde Magnesium		6,6 Grid electricity 3,0 Renewable energy 0,5 - 1,2 Mass allocation & by-products	Project Update 19.1.2026, DLR
Romania	Mures Magnesium		NA	"significantly lower than the Pidgeon process"
Bosnia	Magnesium For Europe		<2,0 Al scrap; <2,5 Al	MFE/DLR report 3/2023
US	Big Blue Technologies		0,37 - 3,26	Big Blue Technology (website)
US	Magrathea		0	Own website
Island	Njordur		0.0004	Press release 9/25

Current Mg primary producers				
Brazil	Rima	10.10	5.76	RIMA/Plantar Carbon Onearth Up- date: 28.10.2023
Israel	Dead Sea Magnesium		7.068	Own DSM publication Up-date: 25.10.2023
US	US Magnesium			
Turkey	KAR Mineral Madencilik	20.00		
China Pidgeon	Producer Gas	28.38		
China Pidgeon	Coke Oven Gas	19.44		
China Pidgeon	Semi Coke Oven Gas	19.26		
China Pidgeon	Natural Gas	25.86		
China Pidgeon	weighted average	21.80		

Mg World average **21.30**

Al primary production	IMA study 2020	Source
North America	7.88	AAA 2013 LCA report
Europe	6.70	EAA 2018 LCA report
Europe	8.60	EAA 2018 LCA report
China	20.00	World Aluminium 2017
Global average	18.00	World Aluminium 2017

Al Carbon Footprint			Source
Primary Al China	Scope 1,2,3 (China coal fired plants)	14.3	ING markets (2025)
Primary Al Global	Scope 1,2,3	14.77	International Aluminium Institute (2025)
Primary Al EU production	Scope 1,2,3 (gradle to gate)	6.3	European Aluminium (2024)
Primary Al Production US	Scope 1,2,3	14.52	USITC (2025)
Primary Al Production Canada	Scope 1,2,3	1,8 - 3,4	Climatoq, Carbonchain (2025)

IDEMAT LightLCA

IDEMAT LightLCA - Updated numbers Aug/2024			(CO ₂ eq/kg)	Euro/kg
Magnesium	Magnesium secondary	Landfill (dumping ground)	0.49	0.22
	Magnesium market mix	Landfill (dumping ground)	24.66	3.96
	Magnesium, CRM, virgin	Landfill (dumping ground)	26.48	4.24
	Magnesium, secondary	Waste treatment & open loop recycling	0.49	0.08
	Magnesium market mix	Waste treatment & open loop recycling	24.66	3.82
	Magnesium, CRM, virgin	Waste treatment & open loop recycling	26.48	4.10
	Magnesium, CRM, virgin	Closed Loop Recycling & Confining	0.49	0.08
	Magnesium, secondary	Closed Loop Recycling & Confining	0.49	0.08
Aluminium	Aluminium secondary	Landfill (dumping ground)	0.85	0.27
	Aluminium market mix	Landfill (dumping ground)	6.80	2.31
	Aluminium virgin	Landfill (dumping ground)	8.68	2.96
	Aluminium secondary	Waste treatment & open loop recycling	0.85	0.13
	Aluminium market mix	Waste treatment & open loop recycling	6.80	2.17
	Aluminium virgin	Waste treatment & open loop recycling	8.68	2.82
	Aluminium, virgin	Closed Loop Recycling & Confining	0.85	0.13
	Aluminium secondary	Closed Loop Recycling & Confining	0.85	0.13
	Aluminium, market mix	Closed Loop Recycling & Confining	0.85	0.13
Steel (selection)	Carbon steel secondary	Landfill (dumping ground)	0.65	0.26
	Carbon steel EU	Landfill (dumping ground)	0.93	0.36
	Carbon stel secondary	Waste treatment & open loop recycling	0.65	0.12
	Carbon steel EU	Closed Loop Recycling & Confining	0.65	0.12
	Carbon steel, secondary	Closed Loop Recycling & Confining	0.65	0.12

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Database/App: <http://idematapp.com/>Background information: <https://www.ecocostsvalue.com/eco-costs/>

Production Status

Hold/Unclear Planning/Testing Pilot/Building

Country	Company name	Status Q4 2025	Technology/Process
Australia	Latrobe Magnesium	MgO production/pilot plant commissioning	Hydromet-Pidgeon
Australia	Magnum	planning/pilot plant building	Magsonic™ carbothermal technology
Australia	Korab Ressources (AusMag)	planning	
Bosnia	Magnesium For Europe (MFE)	planning, sample ingot production	Alumino-Thermic
Canada	West High Yield Ressources	planning, mine exploration license	Hydrometallurgical process
Iceland	Tjordur Holdings	planning	Electrolytic/Desalination
Middle East	Magmec	planning	Thermal Reduction
Oman	MDO	planning	Horizontal pidgeon
Romania	Verde Magnesium	planning, sample ingot production, exploration licence, EU strategic label	Alumino-Thermic
Romania	Mures Magnesium	planning, sample ingot production	Electrolytic
Romania	MPI Magnesium	planning	Electrolytic/Thermal Reduction
Saudi Arabia	ENOWA (NEOM)	planning	Electrolytic/Desalination
US	Big Blue Technologies	pilot plant	Carbothermal reduction (CTR)/Alumino-Thermic
US	Magrathea Metals	planning/pilot production	Electrolytic/Desalination
US	Tidal Metals	planning	Electrolytic/Desalination
US	Atlas	planning/testing	Electrolytic

Current Mg primary producers

Brazil	Rima	production	Silicothermal-Balzano
Israel	ICL PrimeDSM (Dead Sea Magnesium)	production	VAMI Electrolytic
US	US Magnesium	under chapter 11 protection	Proprietary Electrolytic
Turkey	KAR Mineral Madencilik	production	Horizontal pdgeon
Kazakhstan	UKTMP JSC	production	Electrolytic
Russia	Solikamsk	production	VAMI Electrolytic (Russian)
Russia	VSMPO - Avisma	production	VAMI Electrolytic (Russian)
Iran	Shemsh Felez Royal Co.	production unsure	Horizontal pdgeon
Excluding China			