



FOUNDERS PVT. LTD.

**Aluminium
For The Future
Generations**



OVERVIEW

GK Founders Pvt. Ltd. was incorporated in the year 1987 as a Cast Iron Foundry catering to the requirements of Engineering Industries. In the year 2000 decision was taken to start manufacture Aluminum Alloys considering the market potential and demand.



Initially, in the year 2000, we started with manufacturing capacity of Aluminium Alloy ingots at 50.00 M. Tons. per month. Thereafter with consistent quality, increase in demand and with the confidence of our customers, we gradually increased our capacities and reached 1500.00 M. Tons. per month till 2018-19 and onwards. We have plans to reach production capacity of 2000.00 M. Tons. per month during the year 2020-21 and further increase the production capacity to reach 2500.00 M. Tons. per month during the year 2021-22.

Over the years, GK Founders has emerged to be one of the leading suppliers of Aluminium Alloys which meets the stringent technical parameters and quality expectations of the industry as a whole. We produce varied grades of Aluminium Alloy Ingots and Aluminium De-Oxidants to meet the ever-changing requirements of the industry.

Why choose us

- **40+ varied industry clients**
- **1500 M. Tons monthly capacity**
- **20,500 Sq. Mtrs. Area**
- **Reliability**
- **Consistent quality**
- **Cost-effective**
- **On-time delivery**

INFRASTRUCTURE

We are equipped with modern and updated production facilities at Wada, which is an industrial hub with all infrastructural facilities 70 km from Mumbai. Our production facilities consist of melting furnaces, automated conveyor systems, ingot stacking and packing facilities, In house quality control equipment and other supporting facilities for checking of incoming raw materials, in process materials, and finished goods.

Production Process Flow



PRODUCTS

Aluminium Alloy Ingots

We are an ISO 9001-2015 certified company manufacturing Aluminium Alloy Ingots as per the national and international standards, we manufacture Aluminium Alloys conforming to BS, IS, JIS, DIN and ASTM standards. We also manufacture Aluminium Alloys conforming to customer specific compositions.



Features



Application

Used for PDC, LPD, GDC, and Sand Castings. Ingots are re-melted to produce a wide variety of end products covering the entire spectrum of auto & non-auto, Railways, Electrical, Defence and General Engineering.

Aluminium De-Oxidants

We produce Aluminium De-Oxidants in various shapes and sizes as per the demand and specification of our customers. Aluminium Alloys conforming to customer specific compositions.



BS 1490 ALLOYS & APPROXIMATE EQUIVALENTS

UK	ISO	EN PROVISIONAL	FRANCE	GERMANY	ITALY UNI	USA AA/ASTM	USA SAE	JAPAN
IM-O	Al 99.5	—	A5	—	3950	150	—	—
LM-2	Al-Si10Cu2Fe	45 100	A-S9U3-Y4	—	5076	384	383	ADC 12
LM-4	Al-Si5Cu3	45 200	A-S5U3	G-AISi6Cu4 (225)	3052	319	326	AC 2A
LM-5	Al-Mg5Si1 Al-Mg6	51 300	AG6	G-ALMg5 (244)	3058	514	320	AC 7A
LM-6	Al-Si12 Al-Si12Fe	44 100	AS13	G-AISi12 (230)	4514	A413	—	AC 3A
LM-9	Al-Si10Mg	43 100	A-S10G	G-AISi10Mg (233)	3049	A360	309	AC 4A
LM-12	Al-Cu10Si2Mg	—	A-U10G	—	3041	222	34	—
LM-13	Al-Si12Cu Al-Si12CuFe	48 000	A-S12UN	—	3050	336	321	AC 8A
LM-16	Al-Si5Cu1Mg	45 300	A-S4UG	—	3600	355	322	AC 4D
LM-20	Al-Si12Cu Al-Si12CuFe	47 000	A-S12-Y4	G-AISi12(Cu) (231)	5079	A413	305	—
LM-21	Al-Si6Cu4	45 000	A-S5U2	G-AISi6Cu4 (225)	7369/4	308	326	AC 2A
LM-22	Al-Si5Cu3	45 400	A-S5U	G-AISi6Cu4 (225)	3052	319	326	AC 2A
LM-24	Al-Si8Cu3Fe	46 500	A-S9U3A-Y4	G-AISi8Cu3 (226)	5075/3601	A380	306	AC 4B ADC 10
LM-25	Al-Si7Mg	42 000	A-S7G	G-AISi7Mg	3599	A356	323	AC 4C
LM-26	Al-Si9Cu3Mg	—	A-S7U3G	—	3050	332	332	—
LM-27	Al-Si7Cu2Mn0.5	46 600	—	—	7369	—	—	AC 2B
LM-28	Al-Si19CuMgNi	—	—	—	6251	—	—	—
LM-29	Al-Si23CuMgNi	—	—	—	6251	—	—	—
LM-30	Al-Si17Cu4Mg	—	—	—	—	390	—	—
LM-31	Al-Zn5Mg	71 000	A-Z5G	—	3602	712	310	—

CHEMICAL COMPOSITION (WEIGHT %) OF BS 1490:1988 ALLOYS

ALLOY	Cu	Mg	Si	Fe	Mn	Ni	Zn	Pb	Sn	Ti	ADDITIONAL	OTHERS	
											ELEMENTS	EACH	TOTAL
LM-O	0	0	0.3	0.4	0	0	0.1	0	0	–	Al 99.50 Min	–	–
LM-2	0.7-2.5	0.3	9.0-11.5	1	0.5	0.5	2	0.3	0.2	0.2	–	–	0.5
LM-4	2.0 - 4.0	0.2	4.0 - 6.0	0.8	0.2 - 0.6	0.3	0.5	0.1	0.1	0.2	–	0.05	0.15
LM-5	0.1	3.0 - 6.0	0.3	0.6	0.3 - 0.7	0.1	0.1	0.1	0.1	0.2	–	0.05	0.15
LM-6	0.1	0.1	10.0 - 13.0	0.6	0.5	0.1	0.1	0.1	0.1	0.2	–	0.05	0.15
LM-9	0.2	0.2 - 0.6	10.0 - 13.0	0.6	0.3 - 0.7	0.1	0.1	0.1	0.1	0.2	–	0.05	0.15
LM-12	9.0 - 11.0	0.2 - 0.4	2.5	1	0.6	0.5	0.8	0.1	0.1	0.2	–	0.05	0.15
LM-13	0.7 - 1.5	0.8 - 1.5	10.0 - 13.0	1	0.5	1.5	0.5	0.1	0.1	0.2	–	0.05	0.15
LM-16	1.0 - 1.5	0.4 - 0.6	4.5 - 5.5	0.6	0.5	0.3	0.1	0.1	0.1	0.2	–	0.05	0.15
LM-20	0.4	0.2	10.0 - 13.0	1	0.5	0.1	0.2	0.1	0.1	0.2	–	0.05	0.2
LM-21	3.0 - 5.0	0.1 - 0.3	5.0 - 7.0	1	0.2 - 0.6	0.3	2	0.1	0.1	0.2	–	0.05	0.15
LM-22	2.8 - 3.8	0.1	4.0 - 6.0	0.6	0.2 - 0.6	0.2	0.2	0.1	0.1	0.2	–	0.05	0.15
LM-24	3.0 - 4.0	0.3	7.5 - 9.5	1.3	0.5	0.5	3	0.3	0.2	0.2	–	–	0.5
LM-25	0.2	0.20 - 0.60	6.5 - 7.5	0.5	0.3	0.1	0.1	0.1	0.1	0.21	–	0.05	0.15
LM-26	2.0 - 4.0	0.5 - 1.5	8.5 - 10.5	1.2	0.5	1	1	0.2	0.1	0.2	–	0.05	0.15
LM-27	1.5 - 2.5	0.4	6.0 - 8.0	0.8	0.2 - 0.6	0.3	1	0.2	0.1	0.2	–	0.05	0.15
LM-28 ²	1.3 - 1.8	0.8 - 1.5	17 - 20	0.7	0.6	0.8 - 1.5	0.2	0.1	0.1	0.2	Cr 0.6 Co 0.5	0.1	0.3
LM-29 ²	0.8 - 1.3	0.8 - 1.3	22 - 25	0.7	0.6	0.8 - 1.3	0.2	0.1	0.1	0.2	Cr 0.6 Co 0.5	0.1	0.3
LM-30	4.0 - 5.0	0.4 - 0.7	16 - 18	1.1	0.3	0.1	0.2	0.1	0.1	0.2	–	0.1	0.3
LM-31 ³	0.1	0.5 - 0.75	0.3	0.5	0.1	0.1	4.8 - 5.7	0.1	0.1	0.3	Cr 0.4 - 0.6	0.05	0.15

CUSTOMERS

Our association with our customers is always on long term basis and everlasting. A few of our esteemed customers.





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We manufacture Aluminium Alloy Ingots and Aluminium De-Oxidants that match the stringent composition and specifications of the customers.

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