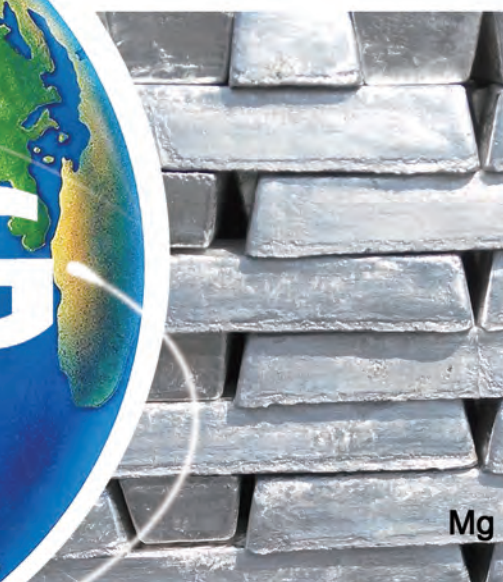




# ALLOYING SOLUTIONS FOR ALUMINIUM & STEEL INDUSTRY



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**XIAMEN SIMAG INDUSTRIAL CO.**

[www.simagmetals.com](http://www.simagmetals.com)



## Company Profile

Xiamen Simag Industrial Co. is a leading supplier of industrial materials in China, commencing business since the year of 2000. We are specializing ourselves in alloying metals and materials for the aluminum & steel industry. Our products mainly include silicon metal, pure and alloyed magnesium, manganese metal, silicon metal power, etc.

## Our Value

**Respect** – Be respectful for our customers, suppliers, stakeholders, environment and each other;

**Safety** – Be pro-active with safety, healthy and environmentally focused programs, for the benefit of all of us, our operations and surroundings;

**Quality** – Be consistent adherence to customer specifications and delivery schedules;

**Consistency** – Be consistent in communication, processes and procedures;

**Passion** – Working with each other solving challenges and sharing success with all!

## Our Mission

Upholding the Spirit of “Pursuing Excellence and being Reputation Oriented”, We are committed to offer Customer-Oriented, Cost-effective and Quality-Guaranteed Service, to excel in the aluminum and steel industry.

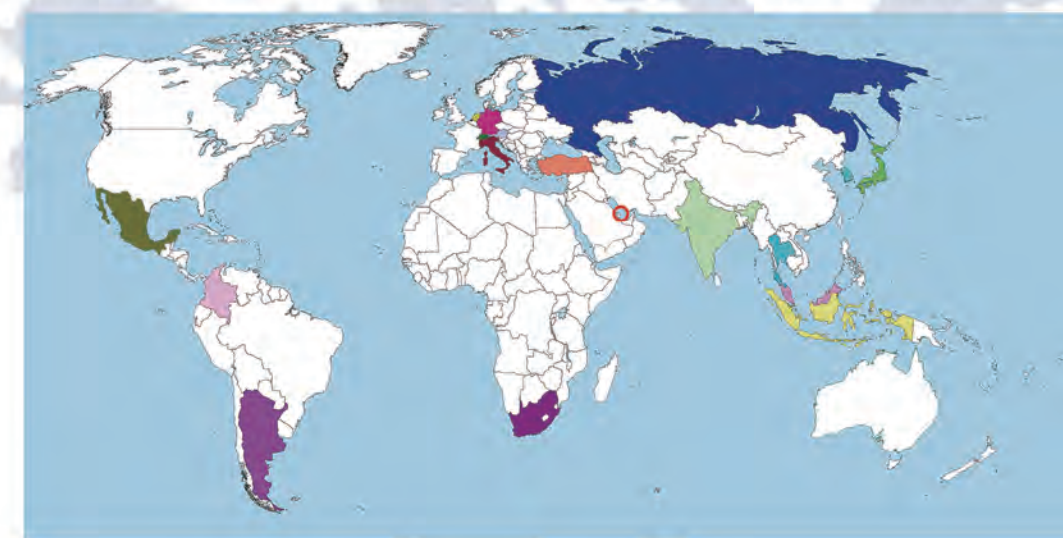


## Our Achievements

After many years of operation, our business scale is increasing year by year, and it maintains a leading position in the industry. Annual sales of SIMAG is about 50000MT, with annual sales revenue about \$100 million.

## Sales Distribution

SIMAG are presently supplying major consumers in Europe, Middle East and Asia. We have created and maintained a stable supply chain for many international aluminum enterprises, such as ALCOA, RUSAL, EGA.



UAE Turkey Germany Indonesia Mexico Russia South Africa Malaysia India  
 Switzerland Bahrain Austria Colombia Japan Italy Argentina Thailand Korea Netherland

## Contact Information

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## Quality Control

SIMAG have implemented systems for quality improvements:

- A system for inspection to all delivery products in accordance with specified requirements;
- A system for transportation, storing and monitoring the products in our own special warehouse;
- A system for measuring customer satisfaction, and benchmarking as basis for improvement.



## Certification

- SIMAG is certified with ISO9001:2015.
- Our experienced staff implements the overall working procedure rigorously in accordance with the ISO standard.
- Our company has established a refined quality control system to assess and supervise procurement, production, logistics and administration.





## Silicon Metal

SIMAG handles a complete variety of silicon metal, including both metallurgical grade and chemical grade, such as 22015, 2202, 25015, 3303, 331, 411, 421, 4402, 441, 5503, 551, 553.

Compared with other suppliers, we are privileged in providing products of high purity, low iron, low phosphorus content silicon metal, such as grades 22015, 2202, 3303 with the phosphorus level around 25ppm to 40ppm.

### Specification:

Metallurgical Grade Silicon Metal					
Item No.	Si(%min)	Fe(%max)	Al(%max)	Ca(%max)	P(ppm)
2202	99.0	0.2	0.2	0.02	25-30
3303	99.0	0.3	0.3	0.03	25-50
441	99.0	0.4	0.4	0.10	50-100
553	98.5	0.5	0.5	0.3	-
Chemical Grade Silicon Metal					
#421	99.0	0.40	0.20	0.10	50
#411	99.0	0.40	0.10	0.10	50

### Size:

10-100mm 90%min or 10-50mm 90%min Other size are available at customer's request



### Packing:

Jumbo bags or tailor-made packing at buyer's request



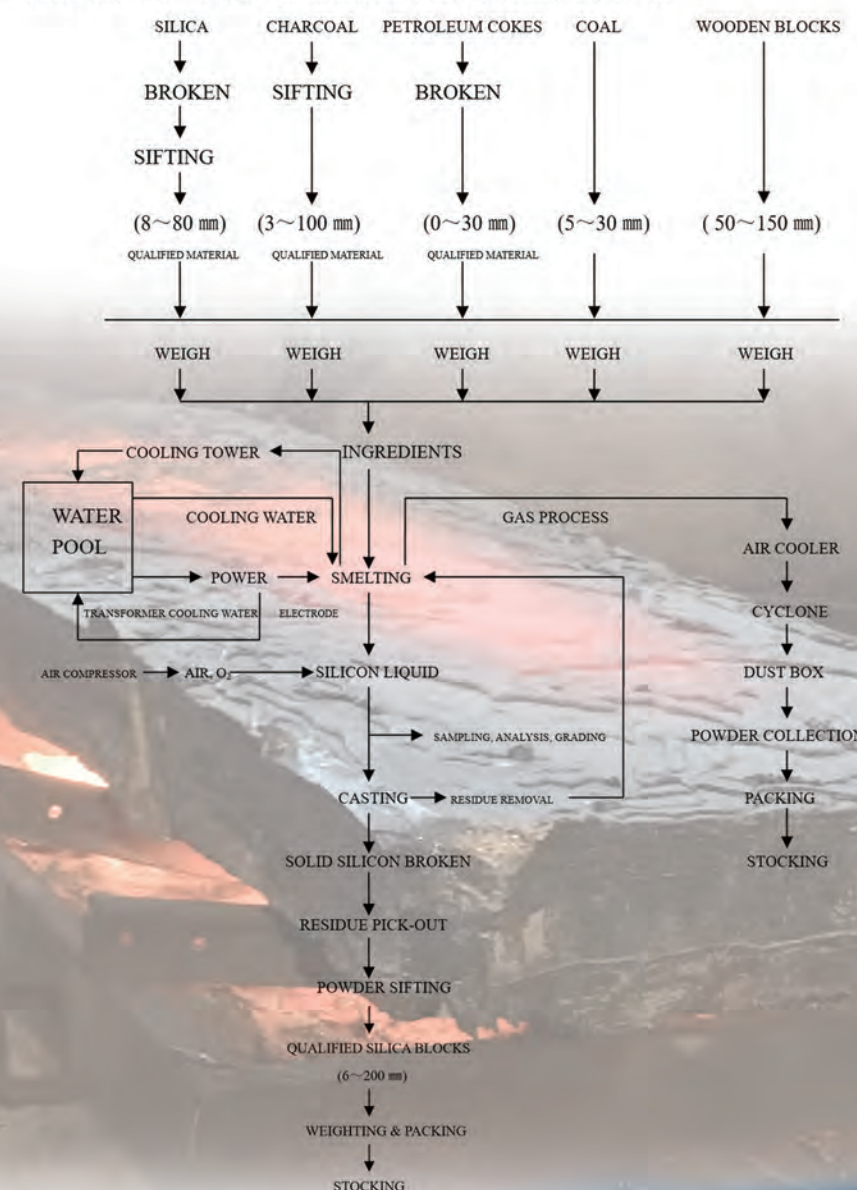
## Processing

SIMAG plants are ISO Certified and operated in accordance with the Health Safety and Environment (HSE) and Social Governance.



### PRODUCTION TECHNIQUE FLOW

METAL SILICON PRODUCTION IS A KIND OF CONTINUOUS MELTING IN SUBMERGED ARC FURNACE, WITH ITS MAIN PROCEDURE OF FULL CHARCOAL SMELTING.





## Magnesium ingots

Specifications can be adjusted according to customers requirements



**Product:** Standard Mg ingot  
**Size:** 7.5+/-0.5kg  
**Treatment of surface:** Acid washed  
**Package:** Steel trapped on Mg/Wooden pallet



**Product:** Small Mg ingot  
**Size:** 100gr./300gr.  
**Treatment of surface:** Acid washed  
**Package:** in 1mt each big bag



**Product:** Mg T-bar  
**Size:** 110-130kg  
**Treatment of surface:** Acid washed  
**Package:** Steel trapped on pallet



**Product:** Mg Butt End  
**Size:** 1-2kg  
**Treatment of surface:** Acid washed  
**Package:** in 1mt each big bag



**Product:** AZ 63,AZ31B,AZ91D,  
 AM50A,AM60B  
**Size:** 6-8kg  
**Package:** Steel trapped on wooden pallets, covered with plastic foil

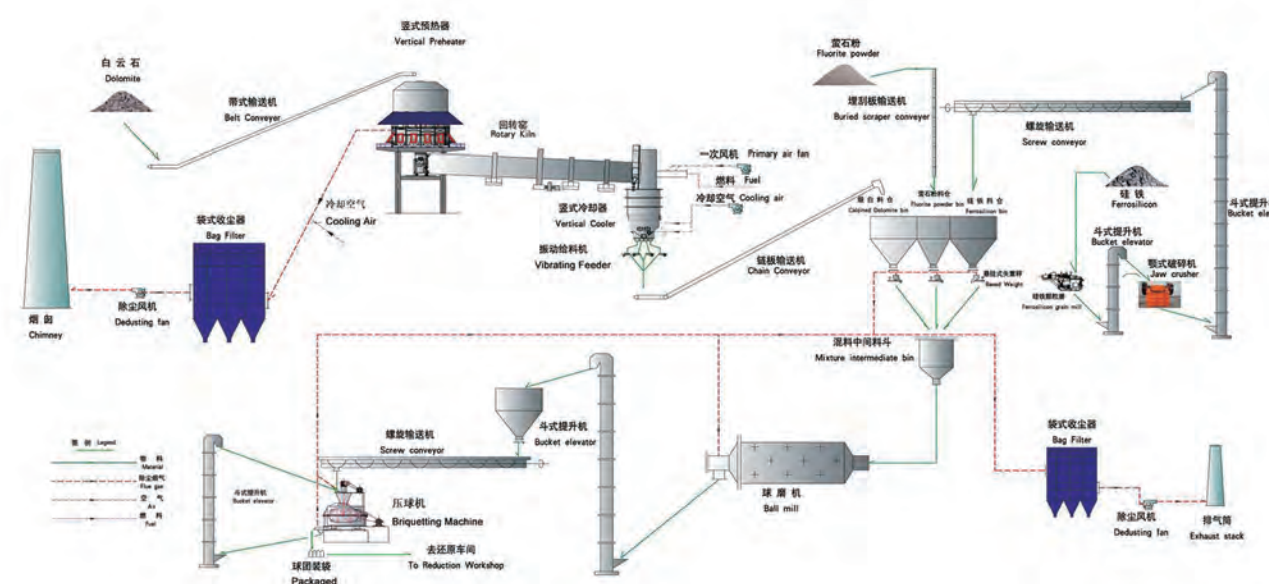
## Magnesium Ingot

Mg (%min)	Fe (%max)	Si (%max)	Ni (%max)	Cu (%max)	Al (%max)	Cl (%max)	Mn (%max)	Ca (%max)	Na (%max)
99.95	0.004	0.005	0.0007	0.001	0.006	0.003	0.01	0.001	0.001
99.90	0.040	0.020	0.0010	0.004	0.020	0.005	0.03	-	-

## Magnesium Alloy

Item No.	Al(%)	Zn(%)	Mn(%)	Be(ppm)	Fe (%max)	Si (%max)	Cu (%max)	Ni (%max)	Other total (%max)
AZ91D	8.5-9.5	0.45-0.9	0.17-0.4	5-15	0.004	0.05	0.025	0.001	0.01
AZ31B	2.5-3.5	0.7-1.3	0.2-1	8-13	0.002	0.1	0.01	0.001	0.01
AZ63	5.5-6.5	2.8-3.3	0.18-0.5	5-15	0.003	0.1	0.008	0.001	0.01
AM50A	4.5-5.3	≤0.1	0.28-0.5	5-15	0.004	0.05	0.008	0.001	0.001
AM60B	5.6-6.4	≤0.2	0.26-0.5	5-15	0.004	0.05	0.008	0.001	0.01

## Magnesium Production Technique Flow





## Manganese Metal in Flakes and Lumps

Designation	Mn(%min)	C(%max)	S(%max)	P(%max)	Se+Si+Fe (%max)	Others to tal(%max)
DJMn 99.7	99.7	0.04	0.05	0.005	0.205	0.3

Packing in 1 mt big seaworthy bag;  
We sourcing from Ningxia Factory, 2\*12500kva, 2000mt Monthly output.



## Silicon Metal Powder

All metallurgical and chemical grades of silicon metal are available according to its specifications.

Specs.	Residue	
2mm-10mm		
500µm-180µm(30Mesh-80Mesh)	+500µm≤3%	-180µm≤10%
425µm-150µm(40Mesh-100Mesh)	+425µm≤5%	-150µm≤15%
250µm-140µm(60Mesh-100Mesh)	+250µm≤3%	-140µm≤10%
125µm-74µm(120Mesh-200Mesh)	+125µm≤3%	-74µm≤10%
-74µm(-200Mesh)	+74µm≤5%	
-44µm(-325Mesh)	+44µm≤5%	



## Our Team

Through teamwork we involve all our employees in striving toward our vision, accomplishing our mission and reaching our objectives. Our teams have a high level of commitment to deliver high performance.



## Our Partner



RUSAL

EGA  
الإمارات العالمية للألمنيوم  
EMIRATES GLOBAL ALUMINIUM

