Aluminum Wire Supplier Screening

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OBJECTIVES

The customer is looking for high-end aluminum wire suppliers around the world, which are used in photovoltaic wires. Due to the requirements of the usage scenarios, ordinary products on the market cannot meet the needs and need to be customized. Therefore, SMM is entrusted with the screening of Chinese suppliers and the final contact between the two parties is completed

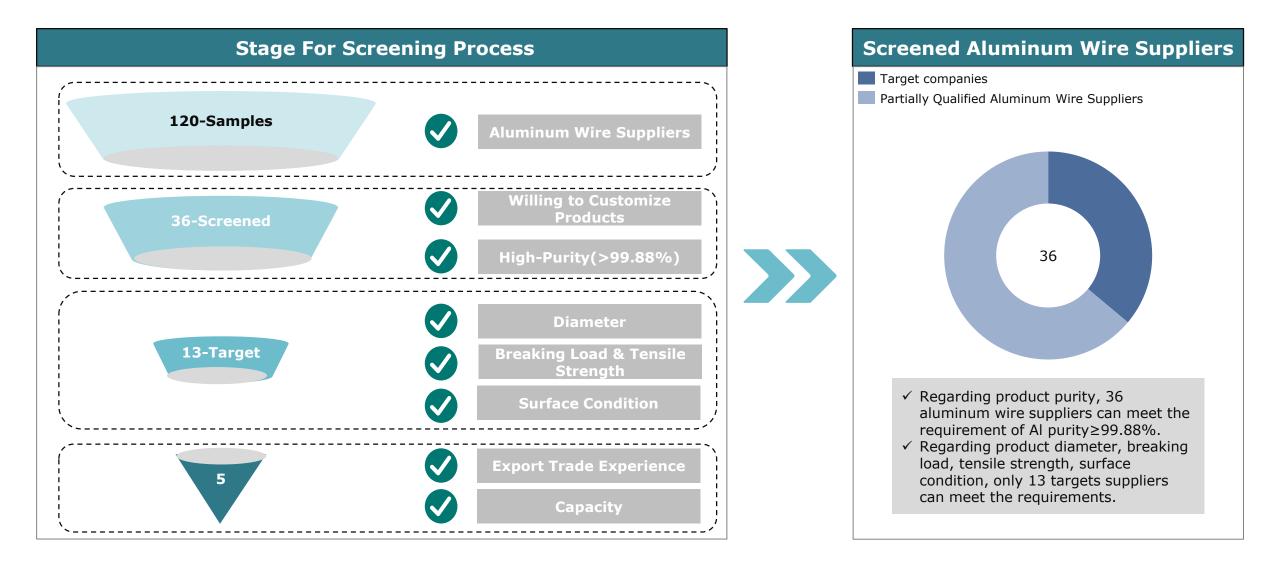
PROCESS

- Methodology
 - Determine the initial sample population to be screened
 - Set up the screening standard
 - Conduct primary research
 - Identify the "willing" group and "unwilling" group with reasons
 - Accompany client for the first touch with target supplier
- Sample Size
 - Aluminum wire supplier (120)
- Project Time
 - 6 weeks

DELIVERABLES

- Basic Info.,
 - Company name, shareholder, location, contact
 - Capacity, production, expansion plan
- Customized product specification
 - Grade (Al xx, etc.)
 - Aluminum purity (≥xx%)
 - Diameter (xxx-xxxµm)
 - Breaking load (xxx-xxxgf)
 - Tensile strength (xxMpa-xxMpa)
 - Unit (xxkm/spool, xxkg/spool)
 - Surface condition (less than xx ng/cm2 of organic contaminants)

Aluminum Wire Suppliers Screening Process



Target Aluminum Wire Suppliers

Screening Process for Target Aluminum Wire Suppliers							
<u>Diameter (µm) *</u>	<u>No.Companies</u>	Surface Condition for Aluminum Wire with Share Without Clean Service					
above 1,000	4						
<u>xx</u> -xx	8						
<u>xx</u> -xx	4	15					
(<u><u>xx</u>-xx</u>	15 🗸						
Below 200	5						
Total	36	Clean Service					

Aluminum Fine Wire Picture



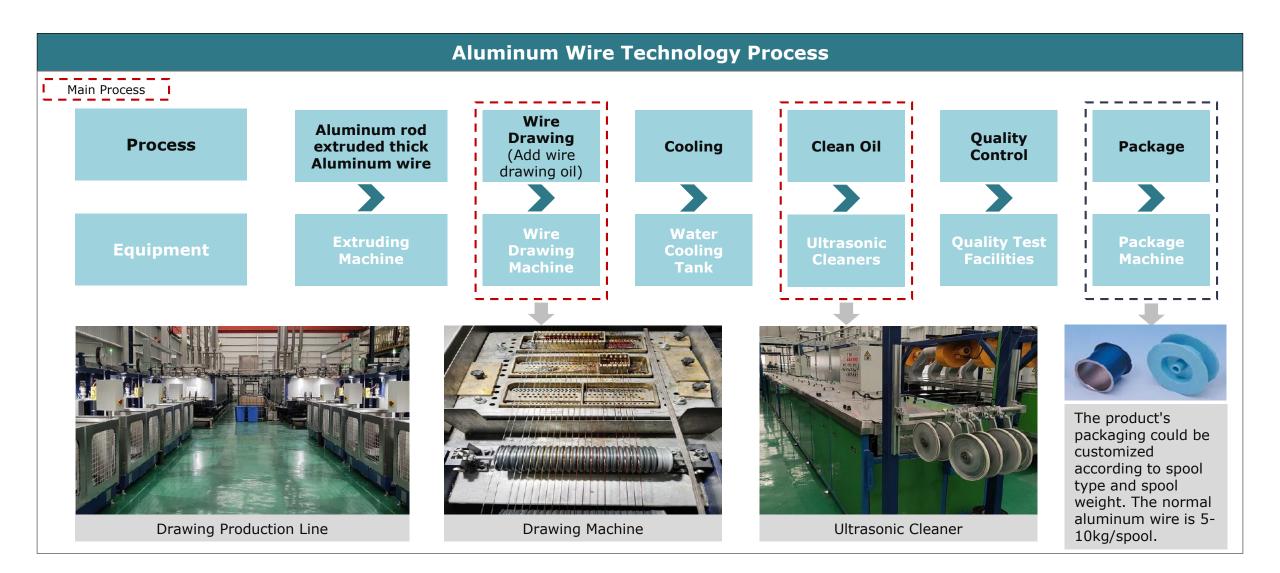
- The difficulty of the producing aluminum wire is to balance the diameter and tensile strength. It is hard to decrease the diameter to xxmm-xxmm as the breaking load and tensile strength meet the requirement. 15 aluminum wire suppliers can produce wires with diameter xxum-xxum and required tensile strength, and two of them don't provide aluminum wire clean service. Only 13 aluminum wire suppliers are the qualified producers that can meet both the requirements and provide clean service.
- Aluminum wire suppliers can easily provide products' purity information, diameter information, but it is difficult for them to estimate breaking load data, tensile strength data, surface condition when the customized product is not produced. R&D departments of 13 aluminum wire suppliers indicate that they are technically capable of producing customized products.

Picture was provided by one screened supplier. The number on wire represents the diameter by millimeter.

Target Aluminum Wire Suppliers Capacity Map, 2022



Aluminum Wire Technology Process Flow



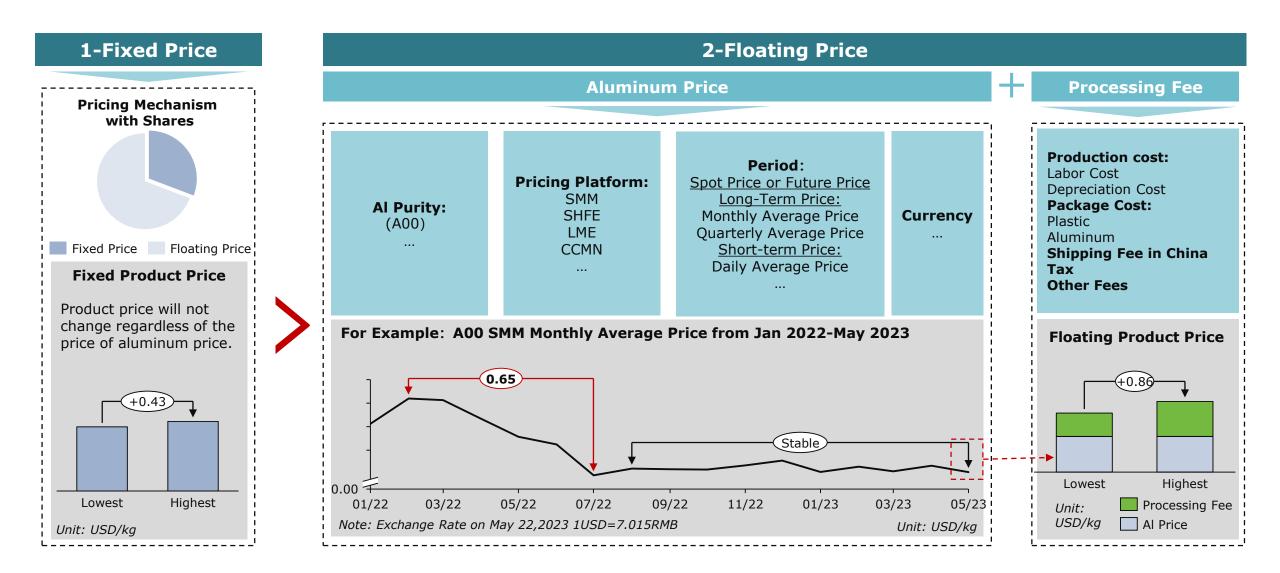
Aluminum Wire Quality Control



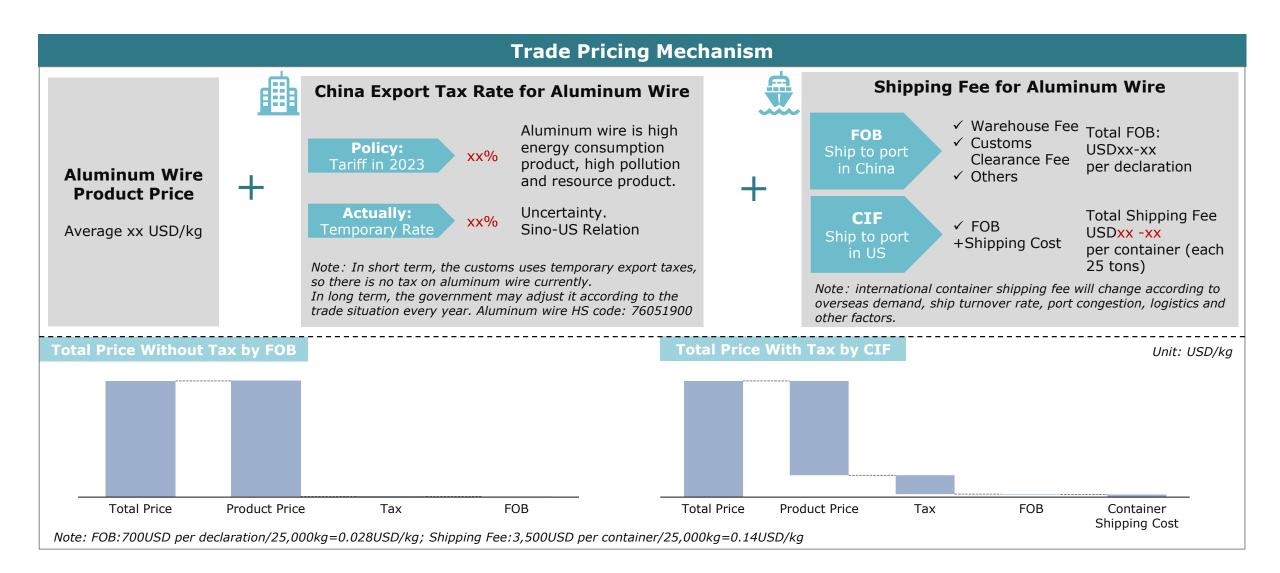
✓ Other Equipment: resistance test machine, elongation tester, high and low temperature tester, etc..

In order to ensure that the quality of products meets xx requirements, suppliers are able to provide samples for pre-cooperation testing by third parties.

Aluminum Wire Product Pricing Mechanism

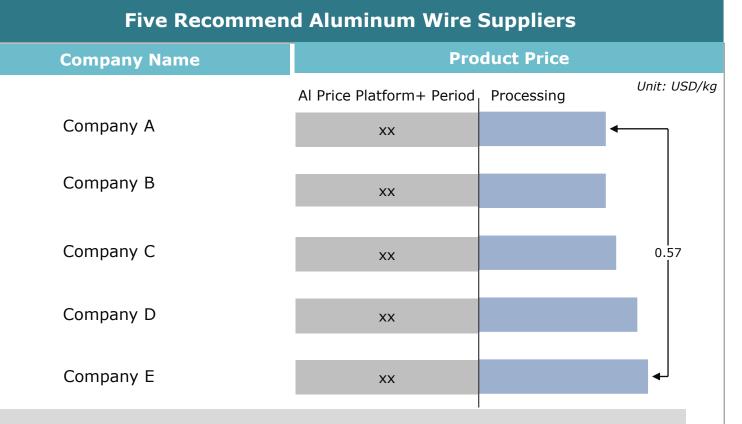


Aluminum Wire Trade Pricing Mechanism



Recommend Aluminum Wire Suppliers





- \checkmark The pricing platform and pricing period could be determined by both parties through negotiation.
- ✓ The suppliers calculate the processing fee based on 1000 tons of products. If more products are ordered in the future, the processing fee can be lower.

No.1 Company A

Company A						
Year Established	1992-07-13	Capacity Info 2022.		Unit: kt/year	Technology Info.	
Registered Capital	1669 million (RMB)				Number of Patent	
Company Type	Limited Liability Company			Available		
Address	XX			Capacity		
Contact Information	XX	Copper Rod	Magnet wires	Required Customized Wire	Total Patent Aluminum Wire Related Patent	
	eholder Info. pany Holding 100% XX	<u>Price Info.</u> Pricing Mechanism Pricing Platform		I+ Processing { SMM	Production Line	
	100% XX	Pricing Period Processing		onthly Average 2.14 per kg	Quality Control Center	