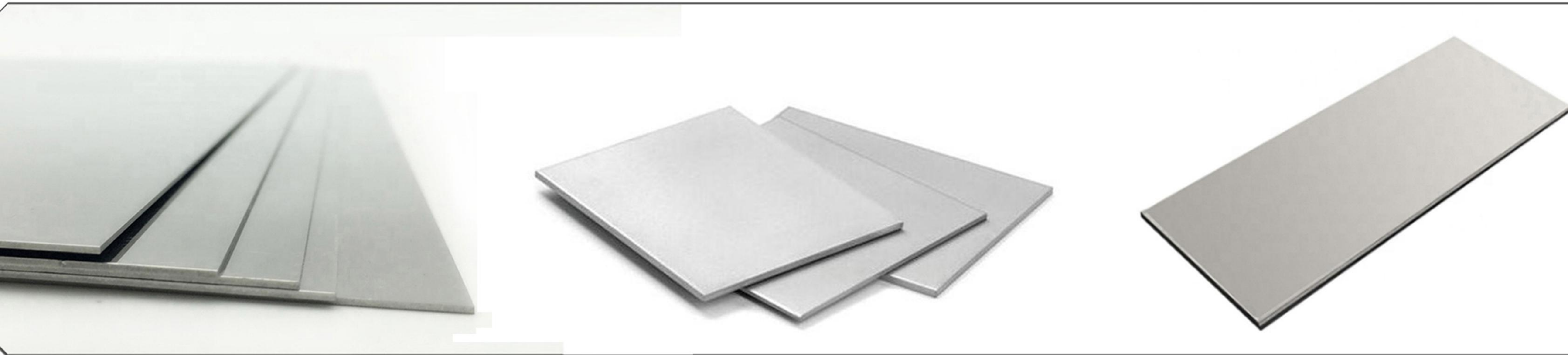


Baoji Chengjin Titanium Industry Co., Ltd



BJCJT*i*

2026

Titanium plate

Company profile

Introduction of Chengjin Titanium Industry Co., Ltd.

Baoji Chengjin Titanium Industry Co., Ltd. is a manufacturer specializing in the research and development, production and sales of titanium rods, titanium plates, titanium wires, titanium tubes, titanium heat exchangers, and titanium processed parts. The company's main products are titanium materials of various standards (ASTM B348, ASTM F136/F67, ASTM B 265, GB-T13810, GB-T3621), and grades (GR1, GR2, GR4, GR5, GR7, GR9, GR12, TC21, BT1-00, BT1-0, BT1-2).

Our company has standardized production plants, high-frequency induction melting furnace, hydraulic press, rolling mill, vacuum annealing furnace, grinder, wire drawing machine, centerless lathe and other production facilities.

Our company has flaw detectors, metal spectrometers, titanium chemical laboratories, titanium physics laboratories, and has a complete quality control system, which can be carried out in accordance with ISO9001:2015 international quality management system, ISO14001:2004 international environmental management system, TUV, SGS Quality Control. Our company has improved the efficiency of product delivery through modular and lean organization of production and stocking, inventory management of VMT, CMI, JMI, and integrated logistics management.

Our employees have an average of more than 10 years of industry experience and a complete production system from raw materials to products with strict testing. Our extensive production background sets us apart from other companies and makes our products more cost-effective. We also provide customers with after-sales service and delivery services.



COMPANY ADVANTAGE



High quality



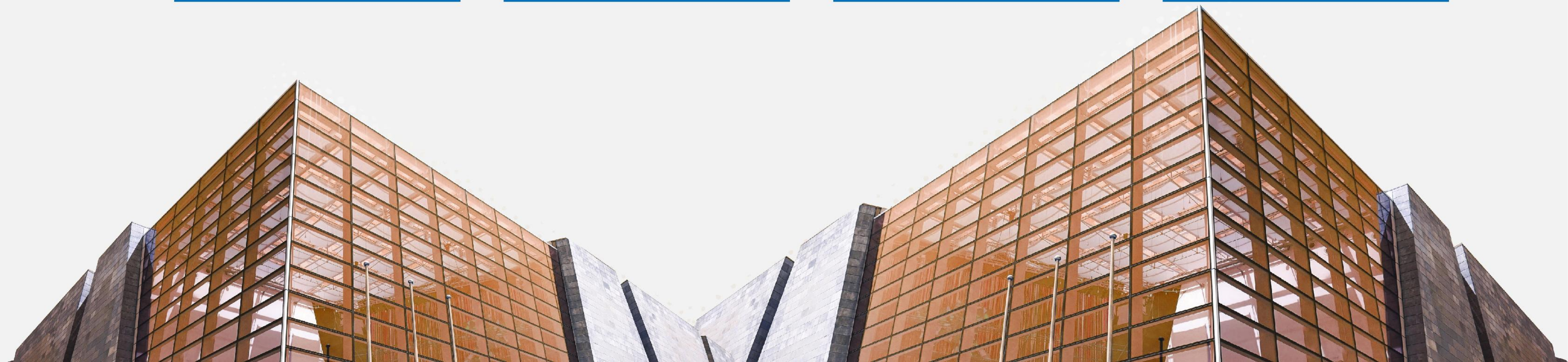
More professional



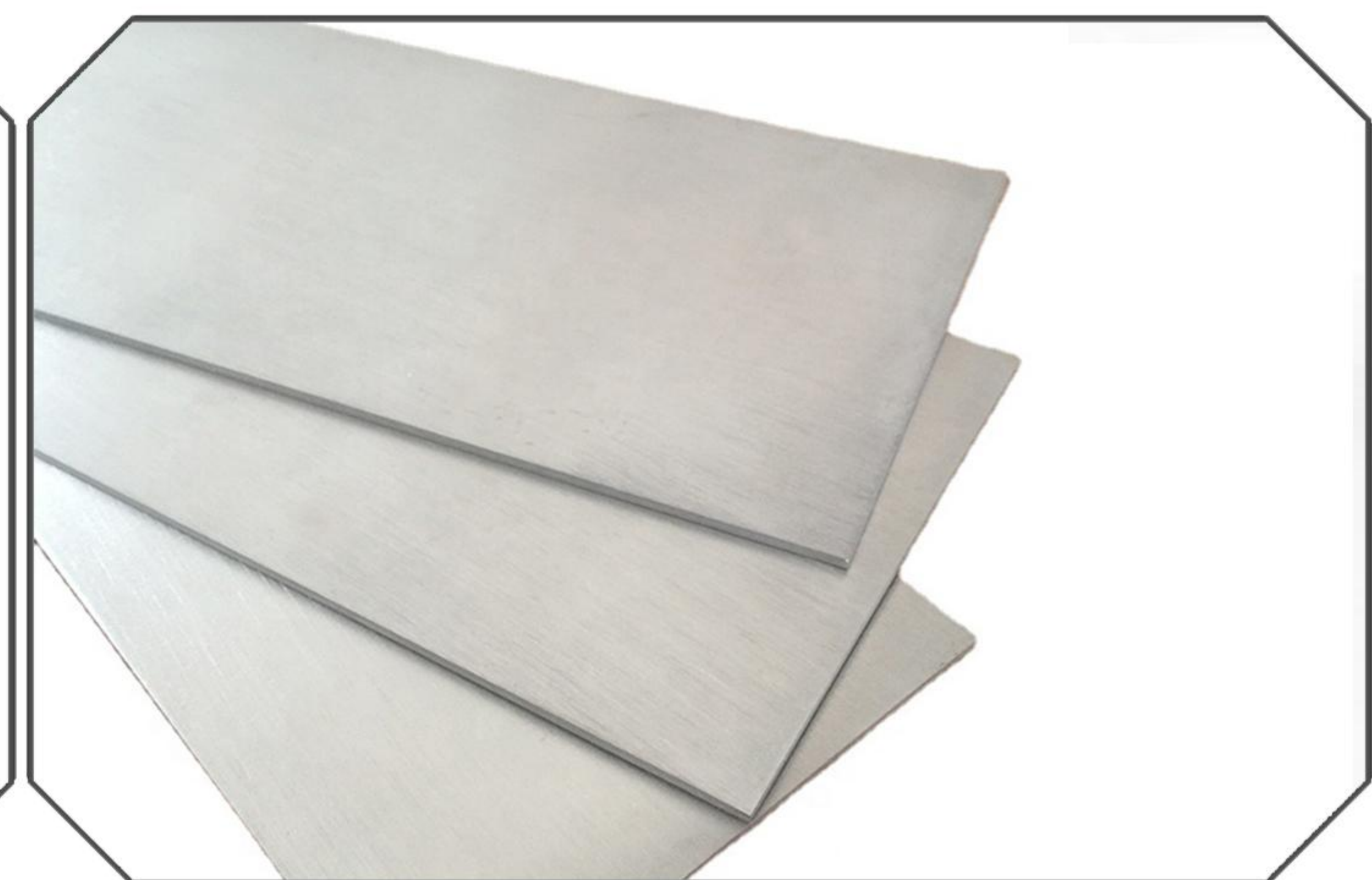
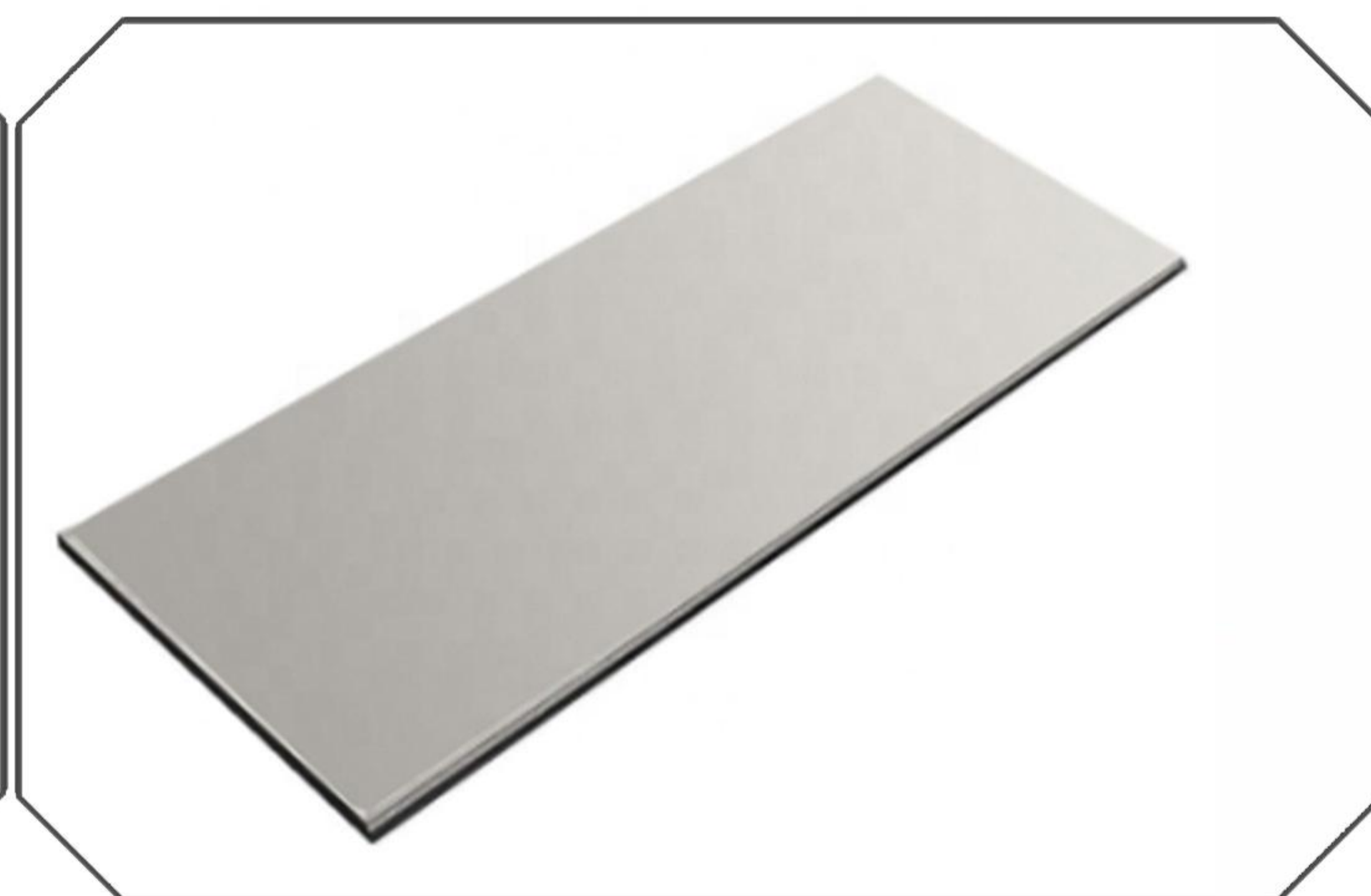
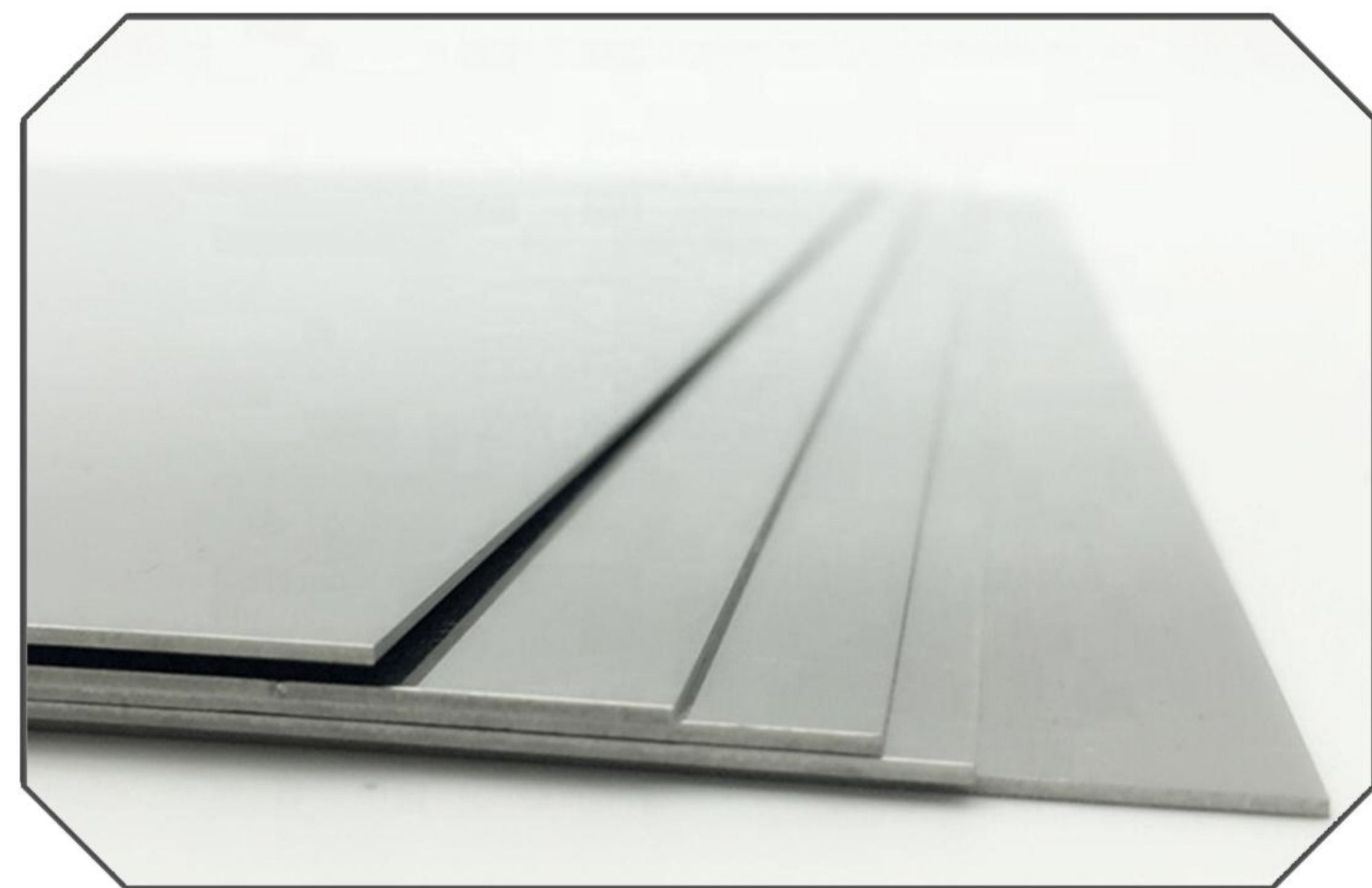
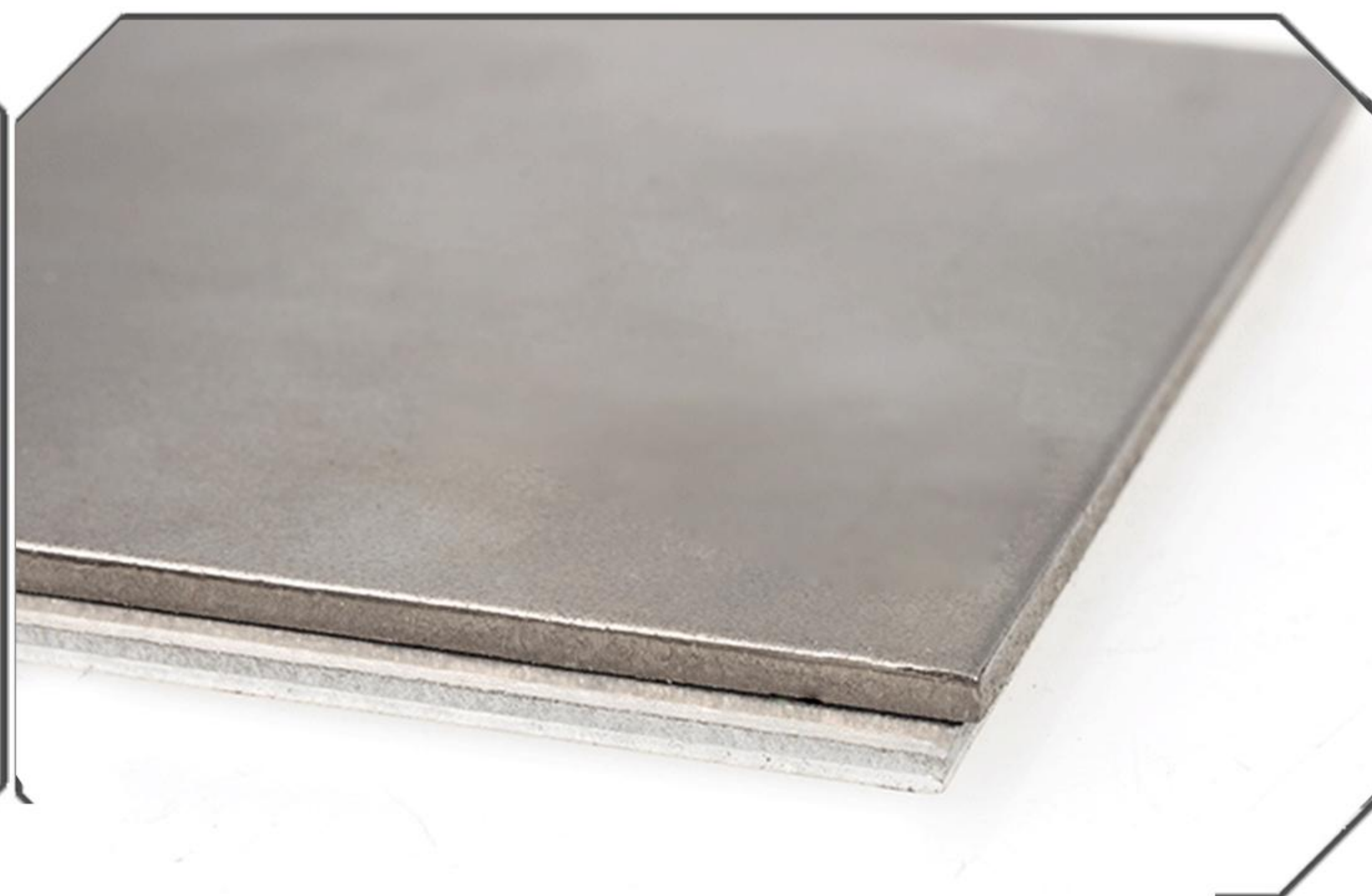
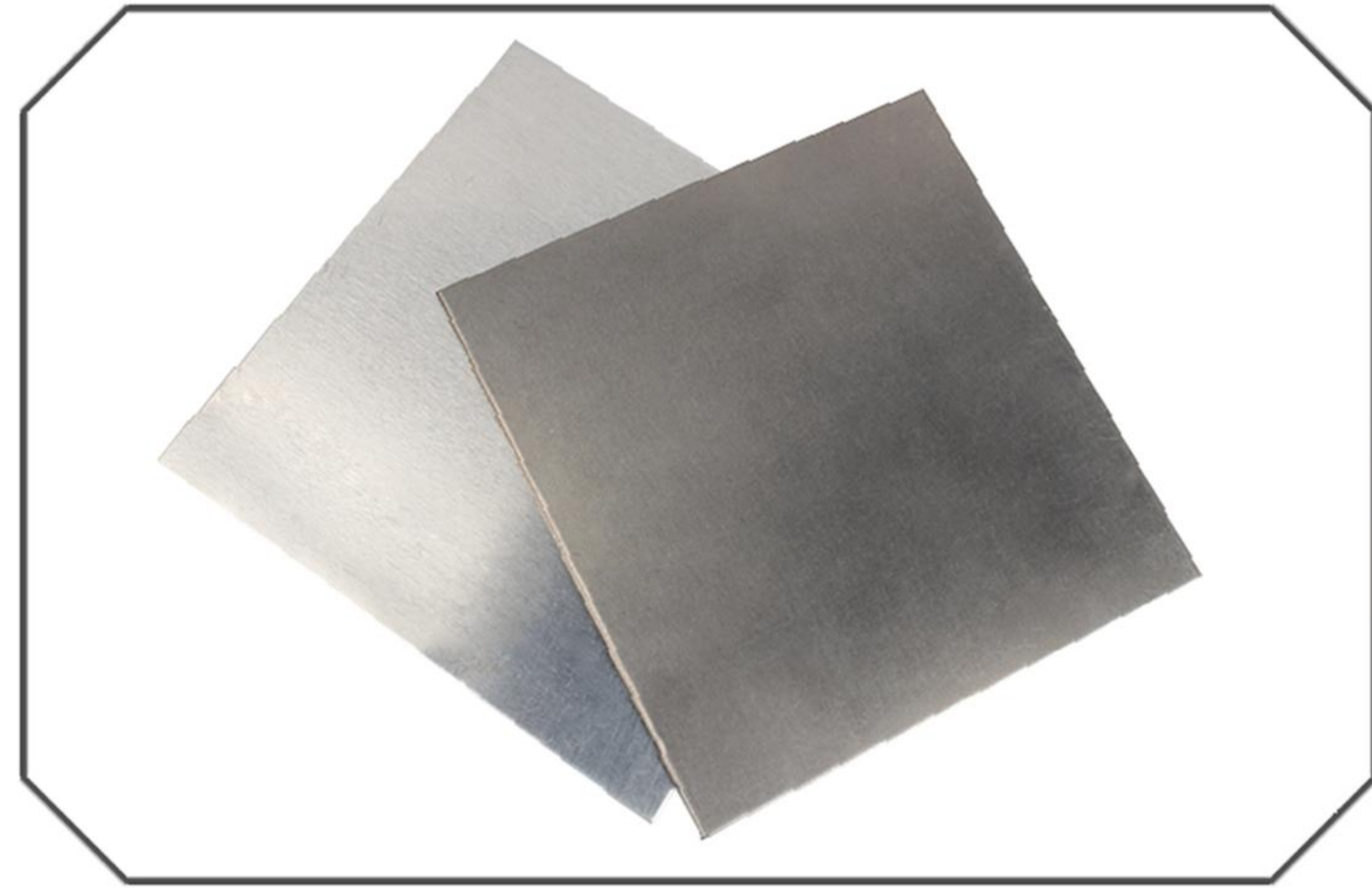
Cost-Effective



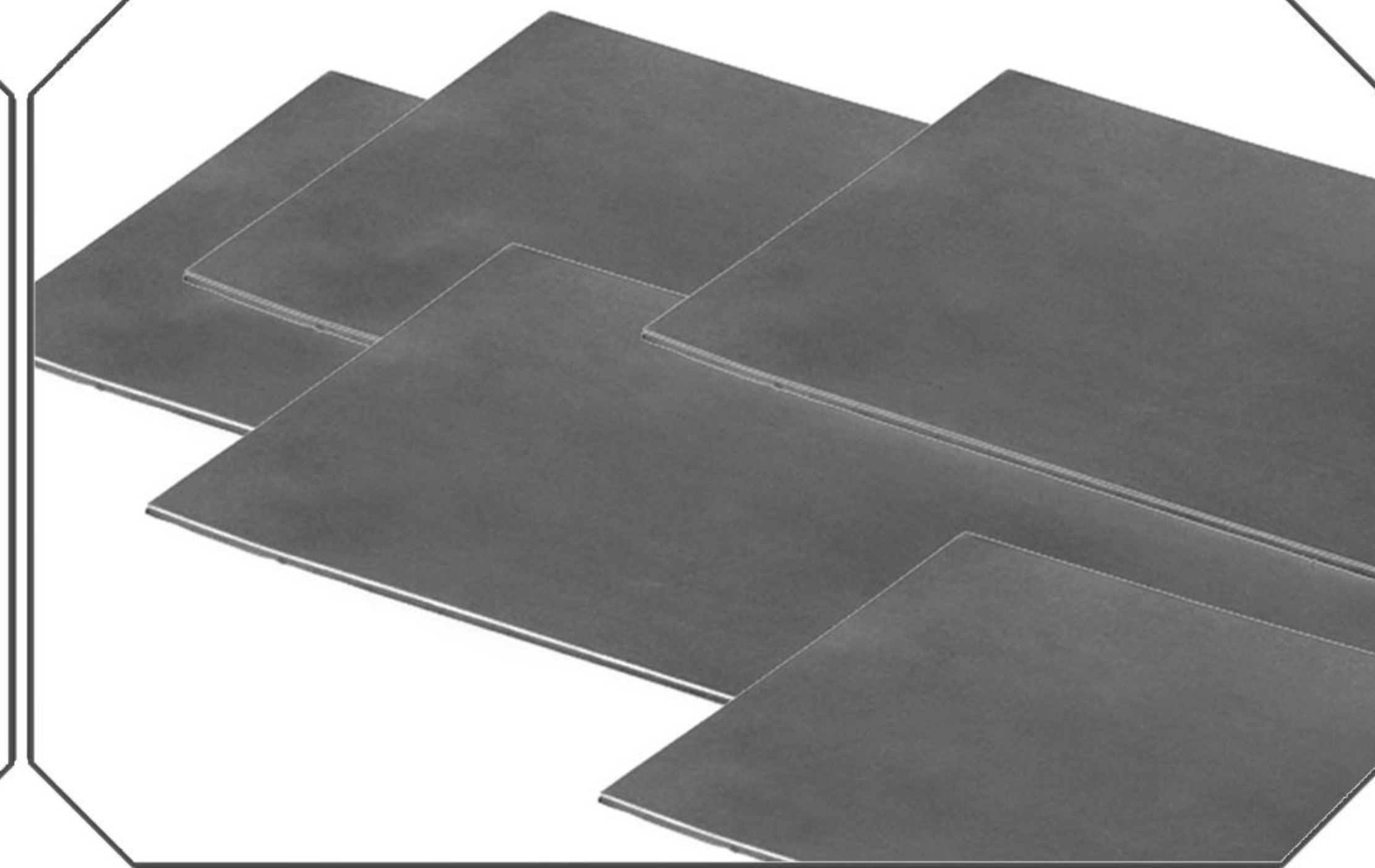
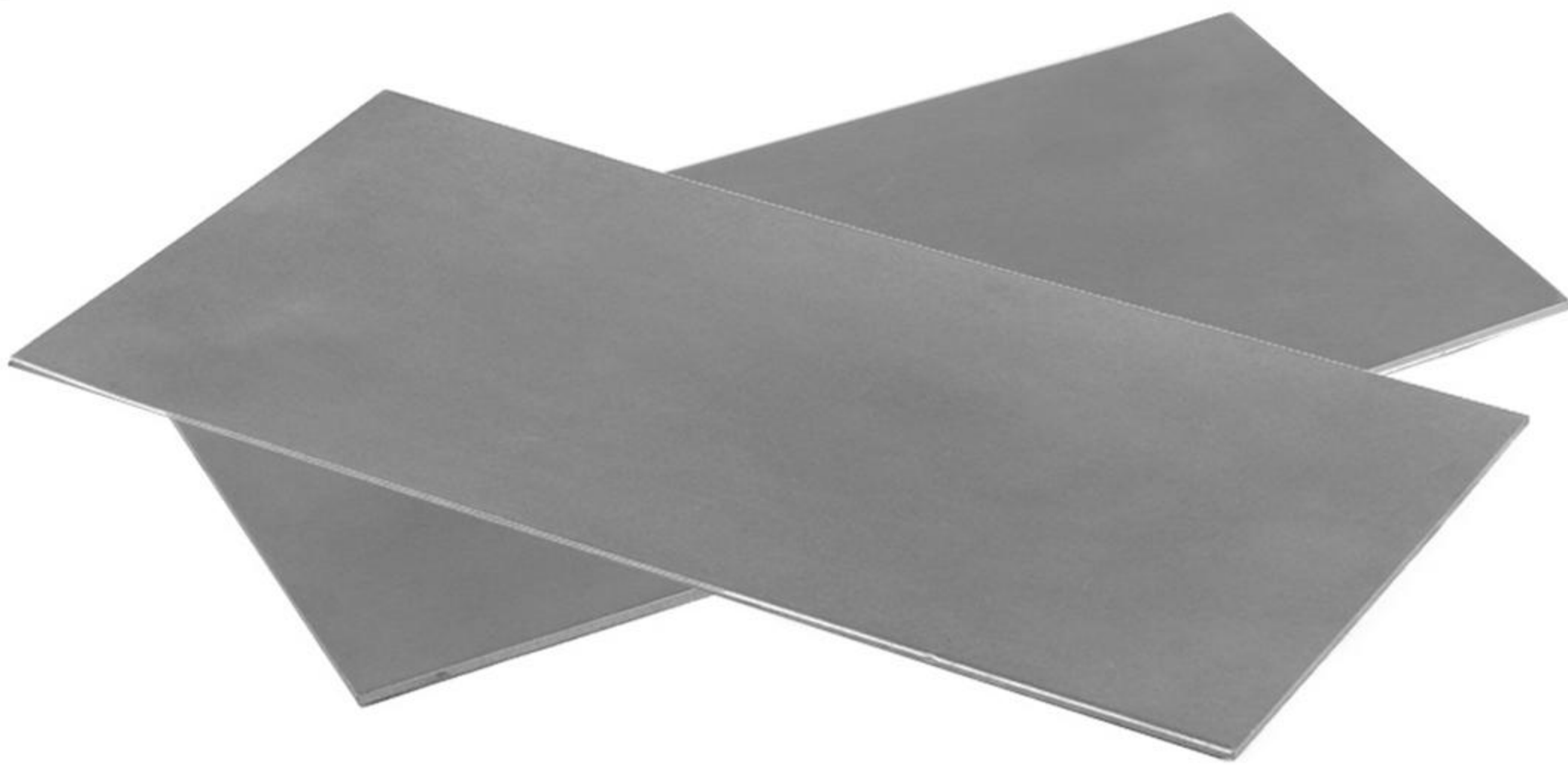
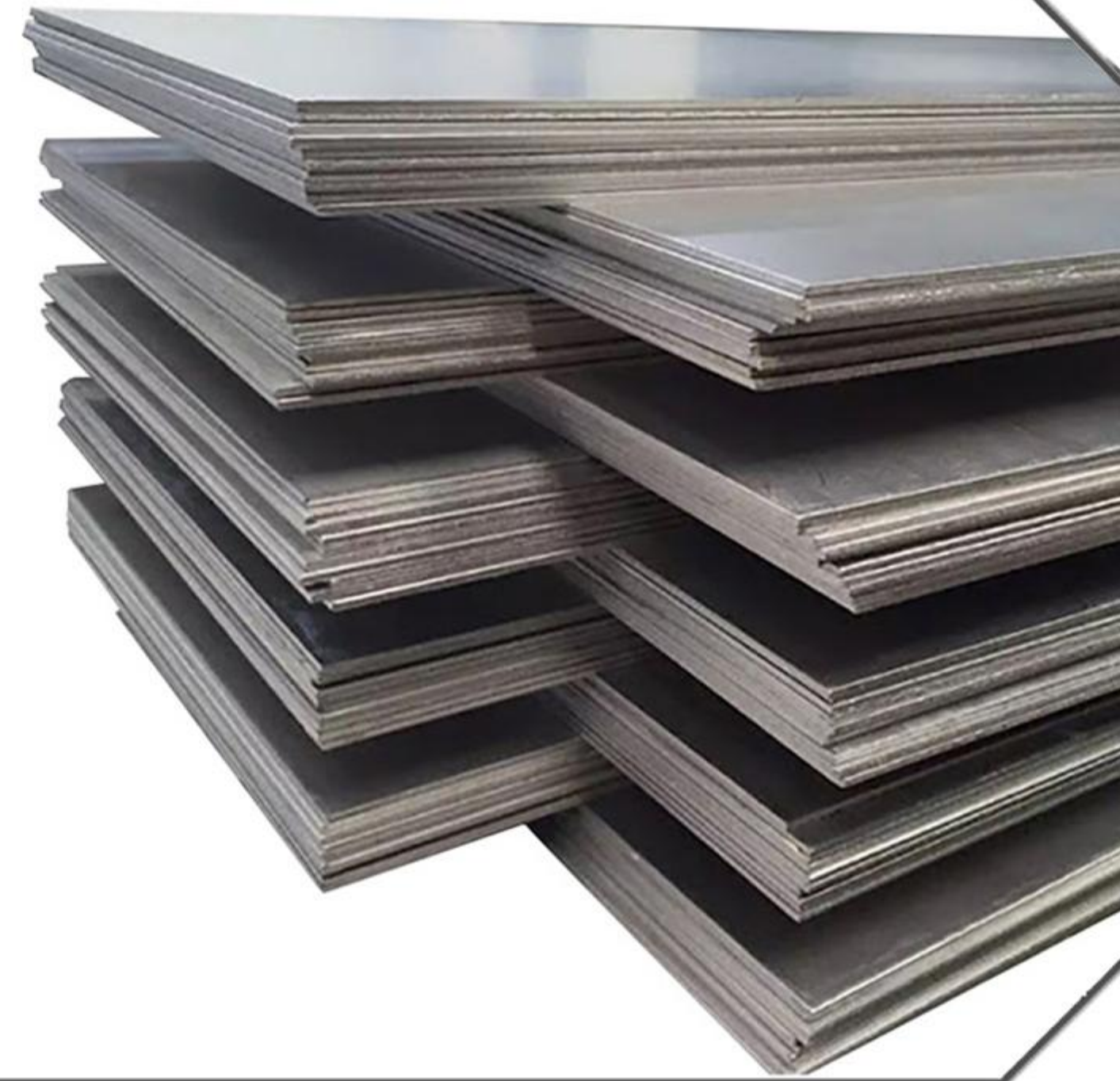
High efficiency



Titanium plate show

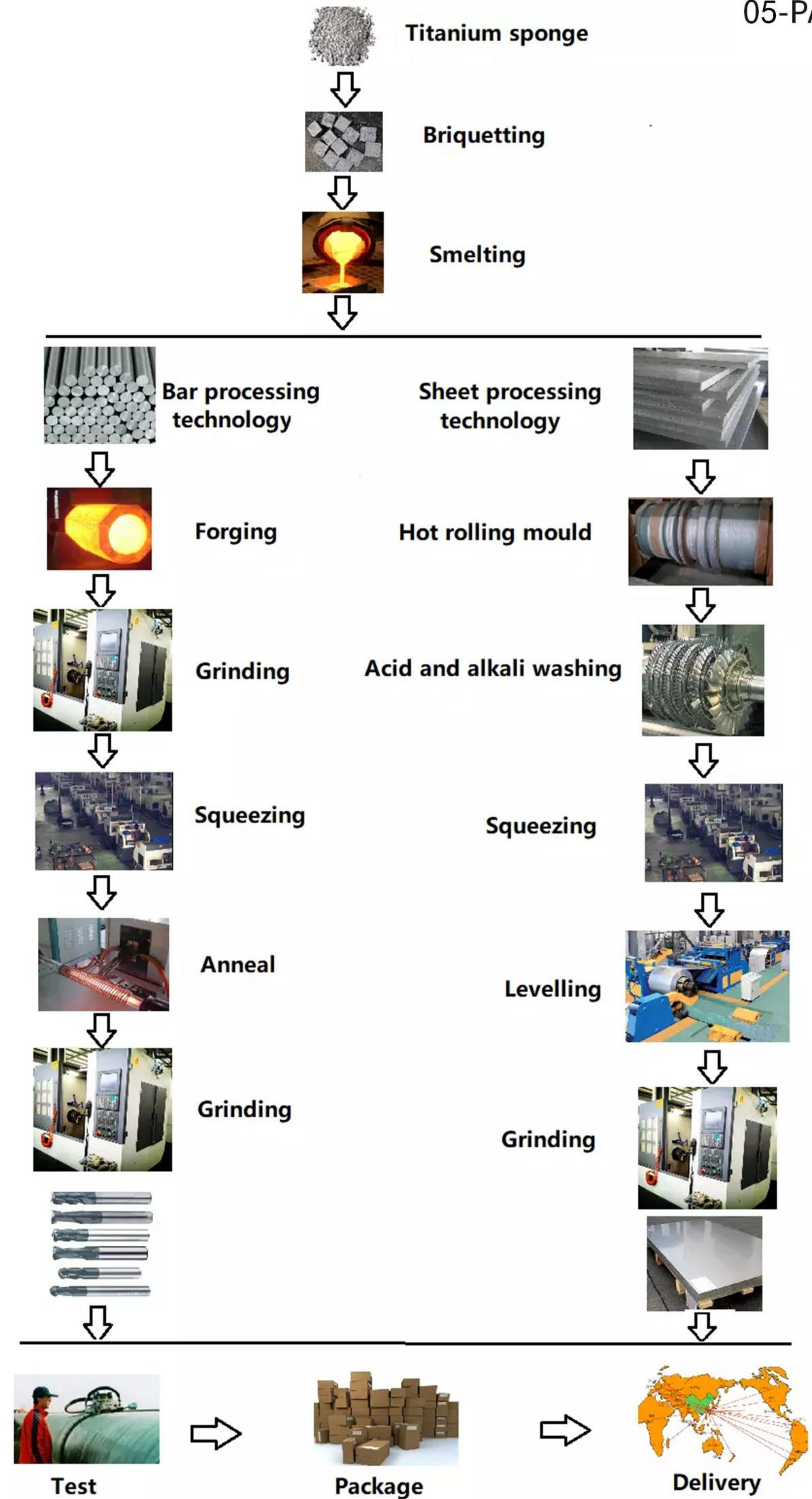


Titanium plate show





Production flow chart of titanium plate



Standard Specification for Titanium and Titanium Alloy Strip, Sheet, and Plate

1.Scope*

1.1 This specification covers annealed titanium and titanium alloy strip, sheet, and plate as follows:

1.1.1 Grade 1-UNS R50250. Unalloyed titanium,

1.1.2 Grade 2-UNS R50400. Unalloyed titanium,

1.1.2.1 Grade 2H-UNS R50400. Unalloyed titanium Grade 2 with 58 ksi (400 MPa) minimum UTS),

1.1.3 Grade 3-UNS R50550. Unalloyed titanium,

1.1.4 Grade 4-UNS R50700. Unalloyed titanium,

1.1.5 Grade 5-UNS R56400. Titanium alloy (6% aluminum, 4% vanadium),

1.1.6 Grade 6-UNS R54520. Titanium alloy (5% aluminum, 2.5% tin),

1.1.7 Grade 7-UNS R52400. Unalloyed titanium plus 0.12 to 0.25% palladium,

1.1.7.1 Grade 7H-UNS R52400. Unalloyed titanium plus 2 to 0.25% palladium (Grade 7 with 58 ksi (400 MPa) minimum UTS),

1.1.8 Grade 9-UNS R56320. Titanium alloy (3.0% aluminum, 2.5% vanadium),

1.1.9 Grade 11-UNS R52250. Unalloyed titanium plus to 0.25% palladium,

1.1.10 Grade 12-UNS R53400. Titanium alloy (0.3% niobium, 0.8% nickel),

1.1.11 Grade 13-UNS R53413. Titanium alloy (0.5% ni, 0.05% ruthenium),

1.1.12 Grade 14-UNS R53414. Titanium alloy (0.5% ni, 0.05% ruthenium),

1.1.13 Grade 15-UNS R53415. Titanium alloy (0.5% ni, 0.05% ruthenium),

1.1.14 Grade 16-UNS R52402. Unalloyed titanium plus 0.04 to 0.08% palladium,

1.1.14.1 Grade 16H-UNS R52402. Unalloyed titanium plus 0.04 to 0.08% palladium (Grade 16 with 58 ksi (400 MPa) minimum UTS),

1.1.15 Grade 17-UNS R52252. Unalloyed titanium plus 0.04 to 0.08% palladium,

1.1.16 Grade 18-UNS R56322. Titanium alloy (3% aluminum, 2.5% vanadium), plus 0.04 to 0.08% palladium.

1.1.17 Grade 19-UNS R58640. Titanium alloy (3% aluminum, 8% vanadium, 6% chromium, 4% zirconium, 4% molybdenum)

1.1.18 Grade 20-UNS R58645. Titanium alloy (3% aluminum, 8% vanadium, 6% chromium, 4% zirconium, 4% molybdenum) plus 0.04 to 0.08%

1.1.19 Grade 21-UNS R58210. Titanium alloy (15% molybdenum, 3% aluminum, 2.7% niobium, 0.25% silicon),

1.1.20 Grade 23-UNS R56407. Titanium alloy (6% aluminum, 4% vanadium with extra low interstitial elements, ELI)

1.1.21 Grade 24-UNS R56405. Titanium alloy (6% aluminum, 4% vanadium) plus 0.04% to 0.08% palladium,

1.1.22 Grade 25-UNS R56403. Titanium alloy (6% aluminum, 4% vanadium) plus 0.3% to 0.8% nickel and 0.04% to 0.08% palladium,

1.1.23 Grade 26-UNS R52404. Unalloyed titanium plus 0.08 to 0.14% ruthenium,

1.1.23.1 Grade 26H-UNS R52404. Unalloyed titanium plus 0.08 to 0.14% ruthenium (Grade 26 with 58 ksi (400 MPa) minimum UTS),

1.1.24 Grade 27-UNS R52254. Unalloyed titanium plus (0.08 to 0.14% ruthenium,

1.1.25 Grade 28-UNS R56323. Titanium alloy (3% aluminum, 2.5% vanadium) plus 0.08 to 0.14% ruthenium,

1.1.26 Grade 29-UNS R56404. Titanium alloy (6% aluminum, 4% vanadium with extra low interstitial elements, ELI) plus 0.08 to 0.14%

1.1.27 Grade 30-UNS R53530. Titanium alloy (0.3% cobalt, 0.05% palladium),

1.1.28 Grade 31-UNS R53532. Titanium alloy (0.3% cobalt, 0.05% palladium),

1.1.29 Grade 32-UNS R55111. Titanium alloy (5% aluminum, 1% tin, 1% zirconium, 1% vanadium, 0.8% molybdenum),

1.1.30 Grade 33-UNS R53442. Titanium alloy (0.4% nickel, 0.015% palladium, 0.025% ruthenium, 0.15% chromium),

1.1.31 Grade 34-UNS R53445. Titanium alloy (0.4% nickel, 0.015% palladium, 0.025% ruthenium, 0.15% chromium),

1.1.32 Grade 35-UNS R56340. Titanium alloy (4.5% aluminum, 2% molybdenum, 1.6% vanadium, 0.5% iron, 0.3% silicon),

1.1.33 Grade 36-UNS R58450. Titanium alloy (45% niobium),

1.1.34 Grade 37-UNS R52815. Titanium alloy (1.5% aluminum),

1.1.35 Grade 38-UNS R54250. Titanium alloy (4% aluminum, 2.5% vanadium, 1.5% iron), and

Composition, Weight Percent B. C. D. E

Grade	UNS Number	Carbon, max,	Oxygen range of max.	Nitrogen max,	Hydrogen, max,	Irin range or max,	Aluminum	Vanadium	Palladium	Ruthenium	Nickel	Molybdenum	Chromium	Cobalt	Zirconium	Niobium	Tin	Silicon	Other Elements, max, each	Other Elements, max, total
1	R50250	0.08	0.18	0.03	0.015	0.2	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.4
2/2H	R50400	0.08	0.25	0.03	0.015	0.3	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.4
3	R50550	0.08	0.35	0.05	0.015	0.3	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.4
4	R50700	0.08	0.4	0.05	0.015	0.5	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.4
5	R56400	0.08	0.2	0.05	0.015	0.4	5.5-6.75	3.5-4.5	--	--	--	--	--	--	--	--	--	--	0.1	0.4
6	R54520	0.08	0.2	0.03	0.015	0.5	4.0-6.0	--	--	--	--	--	--	--	--	--	2.0-3.0	--	0.1	0.4
7/7H	R52400	0.08	0.25	0.03	0.015	0.3	--	--	0.12-0.25	--	--	--	--	--	--	--	--	--	0.1	0.4
9	R56320	0.08	0.15	0.03	0.015	0.25	2.5-3.5	2.0-3.0	--	--	--	--	--	--	--	--	--	--	0.1	0.4
11	R52250	0.08	0.18	0.03	0.015	0.2	--	--	0.12-0.25	--	--	--	--	--	--	--	--	--	0.1	0.4
12	R53400	0.08	0.25	0.03	0.015	0.3	--	--	--	--	0.6-0.9	0.2-0.4	--	--	--	--	--	--	0.1	0.4
13	R53413	0.08	0.1	0.03	0.015	0.2	--	--	--	0.04-0.06	0.4-0.6	--	--	--	--	--	--	--	0.1	0.4
14	R53414	0.08	0.15	0.03	0.015	0.3	--	--	--	0.04-0.06	0.4-0.6	--	--	--	--	--	--	--	0.1	0.4
15	R53415	0.08	0.25	0.05	0.015	0.3	--	--	--	0.04-0.06	0.4-0.6	--	--	--	--	--	--	--	0.1	0.4
16/16H	R52402	0.08	0.25	0.03	0.015	0.3	--	--	0.04-0.08	--	--	--	--	--	--	--	--	--	0.1	0.4
17	R52252	0.08	0.18	0.03	0.015	0.2	--	--	0.04-0.08	--	--	--	--	--	--	--	--	--	0.1	0.4
18	R56322	0.08	0.15	0.03	0.015	0.25	2.5-3.5	2.0-3.0	0.04-0.08	--	--	--	--	--	--	--	--	--	0.1	0.4
19	R58640	0.05	0.12	0.03	0.02	0.3	3.0-4.0	7.5-8.5	--	--	--	3.5-4.5	5.5-6.5	--	3.5-4.5	--	--	--	0.15	0.4
20	R58645	0.05	0.12	0.03	0.02	0.3	3.0-4.0	7.5-8.5	0.04-0.08	--	--	3.5-4.5	5.5-6.5	--	3.5-4.5	--	--	--	0.15	0.4
21	R58210	0.05	0.17	0.03	0.015	0.4	2.5-3.5	--	--	--	--	14.0-16.0	--	--	--	2.2-3.2	--	0.15-0.25	0.1	0.4
23	R56407	0.08	0.13	0.03	0.0125	0.25	5.5-6.5	3.5-4.5	--	--	--	--	--	--	--	--	--	--	0.1	0.4
24	R56405	0.08	0.2	0.05	0.015	0.4	5.5-6.75	3.5-4.5	0.04-0.08	--	--	--	--	--	--	--	--	--	0.1	0.4
25	R56403	0.08	0.2	0.05	0.015	0.4	5.5-6.75	3.5-4.5	0.04-0.08	--	0.3-0.8	--	--	--	--	--	--	--	0.1	0.4
26/26H	R52404	0.08	0.25	0.03	0.015	0.3	--	--	--	0.08-0.14	--	--	--	--	--	--	--	--	0.1	0.4
27	R52254	0.08	0.18	0.03	0.015	0.2	--	--	--	0.08-0.14	--	--	--	--	--	--	--	--	0.1	0.4
28	R56323	0.08	0.15	0.03	0.015	0.25	2.5-3.5	2.0-3.0	--	0.08-0.14	--	--	--	--	--	--	--	--	0.1	0.4
29	R56404	0.08	0.13	0.03	0.0125	0.25	5.5-6.5	3.5-4.5	--	0.08-0.14	--	--	--	--	--	--	--	--	0.1	0.4
30	R53530	0.08	0.25	0.03	0.015	0.3	--	--	0.04-0.08	--	--	--	--	0.20-0.80	--	--	--	--	0.1	0.4
31	R53532	0.08	0.35	0.05	0.015	0.3	--	--	0.04-0.08	--	--	--	--	0.20-0.80	--	--	--	--	0.1	0.4
32	R55111	0.08	0.11	0.03	0.015	0.25	4.5-6.5	0.6-1.4	--	--	--	0.6-1.2	--	--	0.6-1.4	--	0.6-1.4	0.06-0.14	0.1	0.4
33	R53442	0.08	0.25	0.03	0.015	0.3	--	--	0.01-0.02	0.02-0.04	0.35-0.55	--	0.1-0.2	--	--	--	--	--	0.1	0.4
34	R53445	0.08	0.35	0.05	0.015	0.3	--	--	0.01-0.02	0.02-0.04	0.35-0.55	--	0.1-0.2	--	--	--	--	--	0.1	0.4
35	R56340	0.08	0.25	0.05	0.015	0.2-0.8	4.0-5.0	1.1-2.1	--	--	--	1.5-2.5	--	--	--	--	--	0.2-0.4	0.1	0.4
36	R58450	0.04	0.16	0.03	0.015	0.03	--	--	--	--	--	--	--	--	--	42.0-47.0	--	--	0.1	0.4
37	R52815	0.08	0.25	0.03	0.015	0.3	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	0.1	0.4
38	R54250	0.08	0.2-0.3	0.03	0.015	1.2-1.8	3.5-4.5	2.0-3.0	--	--	--	--	--	--	--	--	--	--	0.1	0.4
39	R53390	0.08	0.15	0.03	0.015	0.15-0.4	--	--	--	--	--	--	--	--	--	--	--	0.3-0.5	0.1	0.4

titanium plate

Permissible Variations in Thickness of Titanium Sheet			
Specified Thickness, in. (mm)	Permissible Variations in Thickness,	Permissible Variations in Thickness	
	Plus and minus,	Plus and minus, in. (mm)	
	in. (mm)	For hot rolled sheet	
	For cold rolled sheet	Width to 84 in. (2134 mm),	Width Over 84 in. (2134 mm)
0.146 to 0.1875(3.71 to 4.76), excl	0.014 (0.36)	0.025(0.64)	0.028(0.71)
0.131 to 0.145 (3.33 to 3.68)	0.012(0.31)	0.022(0.558)	0.028(0.71)
0.115 to 0.130 (2.92 to 3.30)	0.010(0.25)	0.020(0.508)	...
0.099 to 0.114 (2.51 to 2.90)	0.009(0.23)	...	...
0.084 to 0.098 (2.13 to 2.49)	0.008(0.20)	...	...
0.073 to 0.083 (1.85 to 2.11)	0.007 (0.18)	...	...
0.059 to 0.072(1.50 to 1.83)	0.006(0.15)	...	...
0.041 to 0.058 (1.04 to 1.47)	0.005(0.13)	...	...
0.027 to 0.040 (0.69 to 1.02)	0.004(0.10)	...	...
0.017 to 0.026 (0.43 to 0.66)	0.003(0.08)	...	...
0.008 to 0.016 (0.20 to 0.41)	0.002(0.05)	...	...
0.006 to 0.007 (0.15 to 0.18)	0.0015 (0.04)	...	...
0.005(0.13)	0.001(0.03)	...	...

Permissible Variations in Width and Length of Hot Rolled Titanium Sheet			
Specified Length, in. (mm)	Specified Width, in. (mm)	Permissible Variations in. (mm)	
		Width	Length
Under 120(3048)	Under 60(1524)	(+5/8(15.88), +0	(+3/4 (19.05), 0
	60 to 84(1524 to 2134), excl	+11/16 (17.46), +0	+7/8(22.23), 0
120 to 240 (3048 to 6096), excl	84 to 108 (2134 to 2743), excl	+3/4(19.05), +0	+1(25.40), 0
	Under 60(1524)	(+5/8(15.88), +0	(+1 (25.40), 0
240 to 360(6098to 9144), excl	60 to 84(1524 to 2134), excl	+3/4(19.05), +0	+1 (25.40), 0
	84 to 108 (2134 to 2743), excl	+13/16 (20.64), +0	+1/8(28.58), 0
360 to 480 (9144to 12192) and over	Under 60(1524)	(+5/8(15.88), +0	(+1 1/4(31.75), 0
	60 to 84(1524 to 2134), excl	+3/4 (19.05), +0	+1 1/4 (31.75), 0
	84 to 108 (2134 to 2743), excl	+13/16 (20.64), +0	+1 1/4 (31.75), 0
	Under 60(1524)	(+11/16(17.46), +0	(+1 3/8(34.93), 0
	60 to 84(1524 to 2134), excl	+3/4(19.05), +0	+1 3/8(38.10), 0
	84 to 108(2134to 2743), excl	+13/16 (20.64), +0	+1 1/2 (38.10), 0

Permissible Variations from a Flat Surface for Titanium Hot Rolled Sheet									
Permissible Variations from a Flat Surface for Width or Length Given, in. (mm)									
Specified Thickness, in. (mm)	48(1219) or Under	48, excl to 60(1219 to 1524), excl	60 to 72, (1524 to 1829), excl	72 to 84 (1829 to 2134), excl	84 to 96 (2134 to 2438), excl	96 to 108(2438 to 2743), excl	108 to 120(2743 to 3048), excl	120 to 144(3048 to 3658), excl	144(3658) and Over
0.146 to 0.1875(3.71 to 4.76)	3/4(19.05)	1 1/16 (26.99)	1 1/4(31.75)	1 3/8(34.92)	1 5/8(41.28)	1 5/8(41.28)	1 7/8(47.6)	2(50.8)	2 1/4(57.15)
0.131 to 0.145(3.33to3.68)	3/4(19.05)	1 1/16 (26.99)	1 1/4(31.75)	1 3/8(34.92)	1 5/8(41.28)	1 5/8(41.28)	1 7/8(47.6)	2(50.8)	2 1/8(53.98)
0.115 to 0.130(2.92 to 3.30)	3/4(19.05)	1 1/16 (26.99)	1 1/4(31.75)	1 3/8(34.92)	1 5/8(41.28)	1 5/8(41.28)	1 7/8(47.6)	2(50.8)	2 1/8(53.98)

Permissible Variations in Width and Length of Cold Rolled Titanium Sheet	
Specified Width, in. (mm), for Thicknesses Under 3/15 in.	Permissible Variations in Width, in. (mm)
24 to 48 (610 to 1220), excl 48(1220) and over	(+1/16(+1.60), -0 +1/8(+3.20), -0
Specified Length, ft (m)	Permissible Variations in Length, in. (mm)
Up to 10(3)	(+1/4(+6.35), -0
Over 10 to 20 (3 to 6)	(+1/2(+12.7), -0

Permissible Variations in Weight of Cold Rolled Titanium Sheet

The actual weight of any one item of an ordered thickness and size in any finish is limited in overweight by the following tolerance:

Any item of five sheets or less, or any item estimated to weigh 200 Ib (91 kg) or less, may actually weigh as much as 10 % over the estimated weight. Any item of more than five sheets and estimated to weigh more than 200 Ib may actually weigh as much as 7 1/2 % over the estimated weight. There is no under tolerance in weight for titanium sheets, under tolerance being restricted by the permissible thickness variations. Only random (or mill size) sheets may be ordered on a square foot basis, and the number of square feet shipped may exceed the number ordered by as much as 5%.

Tensile Requirements									
Grade	Tensile Strength, min		Yield Strength, 0.2% offset				Elongation in 2 in or 50 mm, min, %	Bend Test(Radius of Mandrel) ^s	
			min		max			Under 0.070 in. (1.8mm)in Thickness	0.070 to 0.187 in. (1.8-4.75mm)in Thickness
			ksi	Mpa	ksi	Mpa			
1	35	240	20	138	45	310	24	1.5T	2T
2	50	345	40	275	65	450	20	2T	2.5T
2HC, D	58	400	40	275	65	450	20	2T	2.5T+
3	65	450	55	380	80	550	18	2T	2.5T
4	80	550	70	483	95	655	15	2.5T	3T
5	130	895	120	828	...	...	10 _E	4.5T	5T
6	120	828	115	793	...	...	10 _E	4T	4.5T
7	50	345	40	275	65	450	20	2T	2.5T
7HC, D	58	400	40	275	65	450	20	2T	2.5T+
9	90	620	70	483	...	...	15 _F	2.5T	3T
11	35	240	20	138	45	310	24	1.5T	2T
12	70	483	50	345	...	...	18	2T	2.5T
13	40	275	25	170	...	...	24	1.5T	2T
14	60	410	40	275	...	...	20	2T	2.5T
15	70	483	55	380	...	...	18	2T	2.5T
16	50	345	40	275	65	450	20	2T	2.5T
16HCD	58	400	40	275	65	450	20	2T	2.5T+
17	35	240	20	138	45	310	24	1.5T	2T
18	90	620	70	483	...	...	15 _F	2.5T	3T
19G, H	115	793	110	759	...	...	15	3T	3T
20G, H	115	793	110	759	...	...	15	3T	3T
21G, H	115	793	110	759	...	...	15	3T	3T
23	120	828	110	759	...	...	10	4.5T	5T
24	130	895	120	828	...	...	10	4.5T	5T
25	130	895	120	828	...	...	10	4.5T	5T
26	50	345	40	275	65	450	20	2T	2.5T
26HC, D	58	400	40	275	65	450	20	2T	2.5T+
27	35	240	20	138	45	310	24	1.5T	2T
28	90	620	70	483	...	...	15	2.5T	3T
29	120	828	110	759	...	...	10	4.5T	5T
30	50	345	40	275	65	450	20	2T	2.5T
31	65	450	55	380	80	550	18	2T	2.5T
32	100	689	85	586	...	...	10 _E	3.5T	4.5T
33	50	345	40	275	65	450	20	2T	2.5T
34	65	450	55	380	80	550	18	2T	2.5T
35	130	895	120	828	...	...	5	8T	8T
36	65	450	60	410	95	655	10	4.5T	5T
37	50	345	31	215	65	450	20	2T	2.5T
38	130	895	115	794	...	...	10	4T	4.5T
39	75	515	60	410	90	620	20	2T	2.5T

Permissible Variations in Product Analysis		
Element	Product Analysis Limits, max or Range, %	Permissible Variation in Product Analysis
Aluminum	0.5 to 2.5	±0.20
Aluminum	2.5 to 6.75	±0.40
Carbon	0.1	0.02
Chromium	0.1 to 0.2	±0.02
Chromium	5.5 to 6.5	±0.30
Cobalt	0.2 to 0.8	±0.05
Hydrogen	0.02	0.002
Iron	0.8	0.15
Iron	1.2 to 1.8	±0.20
Molybdenum	0.2 to 0.4	±0.03
Molybdenum	0.6 to 1.2	±0.15
Molybdenum	1.5 to 4.5	±0.20
Molybdenum	14.0 to 16.0	±0.50
Nickel	0.3 to 0.9	±0.05
Niobium	2.2 to 3.2	±0.15
Niobium	>30	±0.50
Nitrogen	0.05	0.02
Oxygen	0.3	0.03
Oxygen	0.31 to 0.40	±0.04
Palladium	0.01 to 0.02	±0.002
Palladium	0.04 to 0.08	±0.005
Palladium	0.12 to 0.25	±0.02
Ruthenium	0.02 to 0.04	±0.005
Ruthenium	0.04 to 0.06	±0.005
Ruthenium	0.08 to 0.14	±0.01
Silicon	0.06 to 0.50	±0.02
Tin	0.6 to 3.0	±0.15
Vanadium	0.6 to 4.5	±0.15
Vanadium	7.5 to 8.5	±0.40
Zirconium	0.6 to 1.4	±0.15
Residuals (each)	0.15	±0.02

Permissible Variations from a flat surface for titanium palte, Annealed									
Specified thickness, in. (mm)	Permissible Variations from a flat surface for width or length Given, in. (mm)								
	48(1219) or under	48, excl to 60 (1219to1524) excl	60to72(1542to 1829), excl	72to84(1829 to 2134), excl	84to96(2133 to 2438), excl	96to108(2438 to 2743), excl	108to120(2743 to 3048), excl	120to144(3048 to3658), excl	144(3658) and over
3/16 to 1/4(4.76to6.53), excl	3/4(19.05)	1 1/16(26.99)	1 1/4(31.75)	1 3/8(34.92)	1 5/8(41.28)	1 5/8(41.28)	1 7/8(47.62)	2 (50.8)	2 1/4 (57.15)
1/4to 3/8(6.35to9.54), excl	11/16(17.46)	3/4(19.05)	15/16(23.81)	1 1/8(28.58)	1 2/8(34.92)	1 7/18(36.51)	1 9/16(36.69)	1 7/8(47.62)	2 1/8 (53.98)
3/8to 1/2(9.54to12.70), excl	1/2(12.70)	9/16(14.29)	11/16(17.46)	3/4(19.05)	15/16(23.81)	1 1/18(28.58)	1 1/4(31.75)	1 7/16(36.51)	1 3/4(44.45)
1/2to 3/4(12.70to19.05), excl	1/2(12.70)	9/16(14.29)	5/8(15.88)	5/8(15.88)	13/16(20.64)	1 1/18(28.58)	1 1/8(28.58)	1 1/8(28.58)	1 3/8(34.92)
3/4to 1(19.05to25.40), excl	1/2(12.70)	9/16(14.29)	5/8(15.88)	5/8(15.88)	3/4(19.05)	13/16(20.64)	1 15/16(23.81)	1 (25.40)	1 1/8(28.58)
1 to 1 1/2(25.40to38.10) excl	1/2(12.70)	9/16(14.29)	9/16(14.29)	9/16(14.29)	11/16(17.46)	11/16(17.46)	11/16(17.46)	3/4(19.05)	1 (25.40)
over1 1/2to4(38.10to101.6), escl	3/16(4.76)	5/16(7.94)	3/8(9.54)	7/16(11.11)	1/2(12.70)	9/16(14.29)	5/8(15.88)	3/4(19.05)	7/8 (22.22)
over1 4to6(101.6to152.4), escl	1/4(6.35)	5/16(7.94)	1/2(12.70)	9/16(14.29)	5/8(15.88)	3/4(19.05)	7/8 (22.22)	1 (25.40)	1 1/8(28.58)

Permissible Variations in Width and Length of titanium plate, Rectangular, Sheared							
Specified Length, in. (mm)	Specified Width, in. (mm)	Permissible Variations Over Specified Dimension for Thicknesses Given, in. (mm)					
		Under3/8(9.52)		3/8to5/8(9.52to15.88) excl		5/8(15.88) and over	
		Width	Length	Width	Length	Width	Length
Under 120(3048)	Under 60(1524)	3/8(9.52)	1/2(12.70)	7/15(11.11)	5/8(15.88)	1/2(12.70)	3/4(19.05)
	60 to 84 (1524 to 2134), excl	7/16(11.11)	5/8(15.88)	1/2(12.70)	11/16(17.46)	5/8(15.88)	7/8(22.22)
	84 to 108(2134 to 2743), excl	1/2(12.70)	3/4(19.05)	5/8(15.88)	7/8(22.22)	3/4(19.05)	1 (25.40)
	108(2743) or Over	5/8(15.88)	7/8(22.22)	3/4(19.05)	1 (25.40)	7/8(22.22)	1 1/8(28.58)
120 to 240(3048to6096), excl	Under 60(1524)	3/8(9.52)	3/4(19.05)	1/2(12.70)	7/8(22.22)	5/8(15.88)	1 (25.40)
	60 to 84 (1524 to 2134), excl	1/2(12.70)	3/4(19.05)	5/8(15.88)	7/8(22.22)	3/4(19.05)	1 (25.40)
	84 to 108(2134 to 2743), excl	9/16(14.29)	7/8(22.22)	11/16(17.46)	15/16(23.58)	13/16(20.64)	1 1/8(28.58)
	108(2743) or Over	5/8(15.88)	1 (25.40)	3/4(19.05)	1 1/8(28.58)	7/8(22.22)	1 1/4(31.75)
240 to 360(6096to9144), excl	Under 60(1524)	3/8(9.52)	1 (25.40)	1/2(12.70)	1 1/8(28.58)	5/8(15.88)	1 1/4(31.75)
	60 to 84 (1524 to 2134), excl	1/2(12.70)	1 (25.40)	5/8(15.88)	1 1/8(28.58)	3/4(19.05)	1 1/4(31.75)
	84 to 108(2134 to 2743), excl	9/16(14.29)	1 (25.40)	11/16(17.46)	1 1/8(28.58)	7/8(22.22)	1 3/8(34.92)
	108(2743) or Over	11/16(17.46)	1 1/8(28.58)	7/8(22.22)	1 1/4(31.75)	1 (25.40)	1 3/8(34.92)
360 to 480(9144to12192), excl	Under 60(1524)	7/16(11.11)	1 1/8(28.58)	1/2(12.70)	1 1/4(31.75)	5/8(15.88)	1 1/2(38.10)
	60 to 84 (1524 to 2134), excl	1/2(12.70)	1 1/4(31.75)	5/6(15.88)	1 3/8(34.92)	3/4(19.05)	1 1/2(38.10)
	84 to 108(2134 to 2743), excl	9/16(14.29)	1 1/4(31.75)	3/4(19.05)	1 3/8(34.92)	7/8(22.22)	1 1/2(38.10)
	108(2743) or Over	3/4(19.05)	1 3/6(34.92)	7/8(22.22)	1 1/2(38.10)	1 (25.40)	1 5/8(41.28)
480 to 600(12192to15240), excl	Under 60(1524)	7/16(11.11)	1 1/4(31.75)	1/2(12.70)	1 1/2(38.10)	5/8(15.88)	1 5/8(41.28)
	60 to 84 (1524 to 2134), excl	1/2(12.70)	1 3/8(34.92)	5/8(15.88)	1 1/2(38.10)	3/4(19.05)	1 5/8(41.28)
	84 to 108(2134 to 2743), excl	5/8(15.88)	1 3/8(34.92)	3/4(19.05)	1 1/2(38.10)	7/8(22.22)	1 5/8(41.28)
	108(2743) or Over	3/4(19.05)	1 1/2(38.10)	7/8(22.22)	1 5/8(41.28)	1 (25.40)	1 3/4(44.45)
600(15 240) or ovre	Under 60(1524)	1/2(12.70)	1 3/4(44.45)	5/8(15.88)	1 7/8(47.62)	3/4(19.05)	1 7/8(47.62)
	60 to 84 (1524 to 2134), excl	5/8(15.88)	1 3/4(44.45)	3/4(19.05)	1 7/8(47.62)	7/8(22.22)	1 7/8(47.62)
	84 to 108(2134 to 2743), excl	5/8(15.88)	1 3/4(44.45)	3/4(19.05)	1 7/8(47.62)	7/8(22.22)	1 7/8(47.62)
	108(2743) or Over	7/8(22.22)	1 3/4(44.45)	1 (25.40)	2 (50.80)	1 1/8(28.58)	2 1/4(57.15)

service system



Design drawings:

Professional product engineers provide design drawings



Logistics delivery:

support various international logistics delivery services



Professional packaging:

provide export - level standard product packaging





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