





新源光學實業有限公司

Sun Yin Crystal Industry Co., Ltd.

專 業 藍 寶 石 產 品 製 造 商

Professional manufactory of Sapphire Crystal Product

Company Introduction

Sun Yin Crystal Industry Co., Ltd. was established in 1994, with more than 25 years of sapphire processing experience, and has a complete sapphire production chain from raw material production to Anti-reflective coating, our management system has passed ISO9001 & ISO 14001 certification and the product quality is compliance with REACH and RoHS standard, which has taken advantage of the market.



Office & Factory







ShenZhen Office

ShenZhen Factory

Hong Kong Office

Factory: 5/F, bldg. B9, HengFeng Ind. Center, Henzhou Xixiang, Bao An, Shenzhen, China

Office : Flat A-B, 13/F, 88 Kwai Cheong Road, Kwai Chung N.T., Hong Kong

Factory Introduction



20+ years' experience in sapphire production

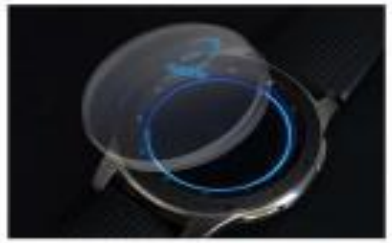
- Monthly output: 1.5 million pieces of sapphire crystals
- Lead time: 25 days
- MOQ: 100 pcs
- Established in 1994
- More than 800 workers
- Factory of over 10,000 square meters

Inquire today.



Sapphire lens product

Sun Yin Crystal Industry Company Limited
Flat A&B, 13/F, 88 Kwai Cheong Rd., Kwai Chung, N.T., Hong Kong SAR
Tel: (852) 3188 2976 • Fax: (852) 2780 7088
Mobile: (86) 147 1501 7088 • (852) 6280 8908
Contact Person: Dave Leung
Email: dave@sunyincrystal.com
www.globalsources.com/sunyincrystal.co
Global Sources Verified Supplier ★★★


Sapphire smart watch product


Sapphire smart watch product

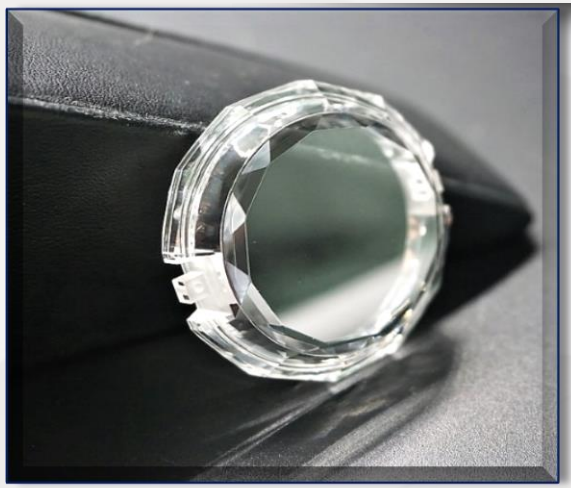

Sapphire personal care equipment product


Sapphire medical product


Sapphire lens product

Sapphire Crystal Watch Glass

















04 03 02 01

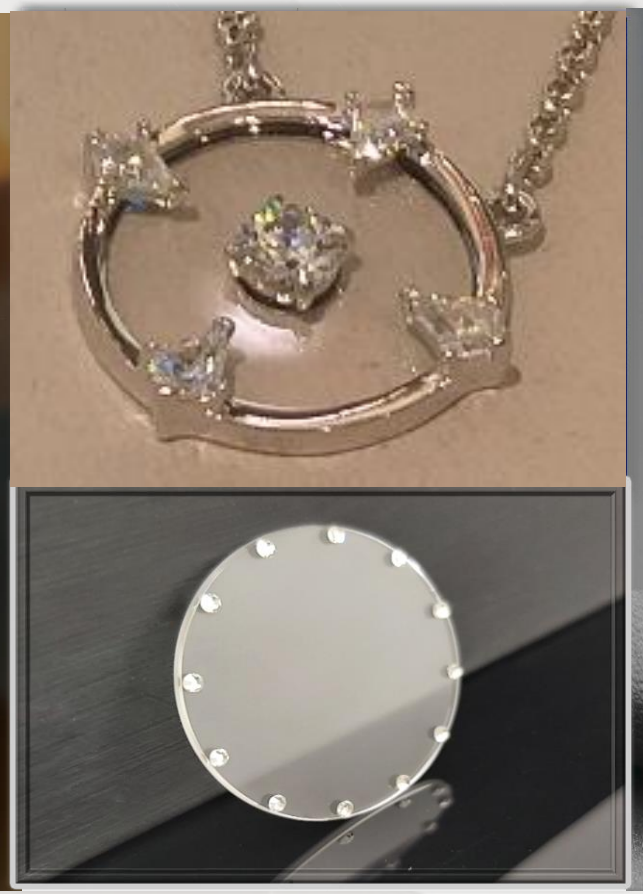
Sapphire Crystal Jewelry



04



03



02



01

Sapphire Protection Screen



Fingerprint Identification glass



Digital Stethoscope

Display cover



Screen of Electrical product



Phone screen

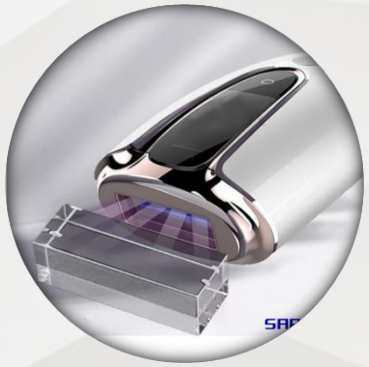
Sapphire Optical Components

01



Lens

02



Personal care window

03



Scalpel

04



Screen protector

05

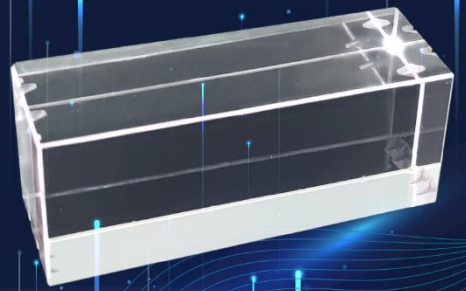


Display Cover

新源光學實業有限公司
Sun Yin Crystal Industry Co., Ltd.

SAPPHIRE COOLING WINDOW HAIR REMOVER

BETTER COOLING EFFECT MORE COMFORTABLE



Cooling skin to 10°C
Avoid allergic reaction to skin
Reduce harm to skin

Sapphire cooling window

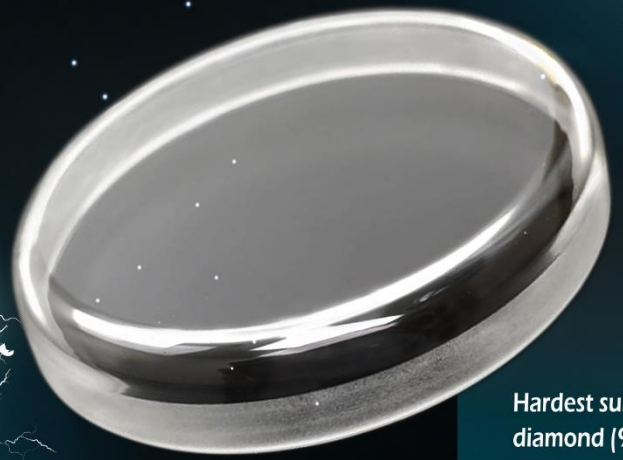


E-mail : marketing@sunyincrystal.com
Website : www.sunyincrystal.com

新源光學實業有限公司
Sun Yin Crystal Industry Co., Ltd.

E-mail : marketing@sunyincrystal.com Website : www.sunyincrystal.com

SAPPHIRE GLASS



Hardest substance second to diamond (9 Mohs)

Extreme surface hardness and scratch resistance

Highly resistant to wear from harsh environmental conditions

Extremely high melt temperature 2030°C

Much stronger than other optical materials (65,000 modulus of rupture)

High electrical resistance

Qualification



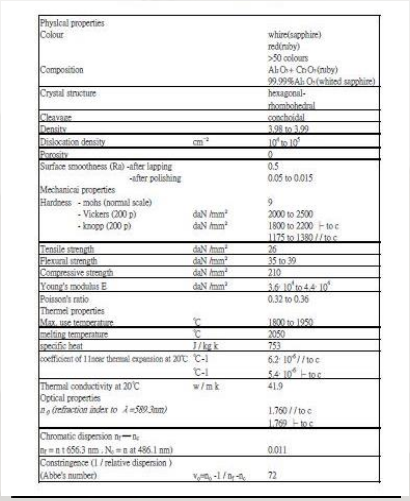
ISO9001



RoHS



REACH

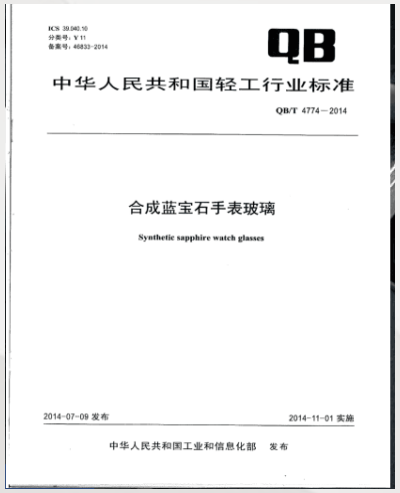


Physical properties		
Colour		white(sapphire) red(ruby) >50 colours
Composition		Al_2O_3+ Cr_2O_3(ruby) 99.99%Al_2O_3(whited sapphire)
Crystal structure		hexagonal-rhombohedral
Cleavage		conchoidal
Density		3.98 to 3.99
Dislocation density	cm^{-2}	10^4 to 10^5
Porosity		0
Surface smoothness (Ra) -after lapping		0.5
-after polishing		0.05 to 0.015
Mechanical properties		
Hardness - mohs (normal scale)		9
- Vickers (200 p)	daN /mm²	2000 to 2500
- knopp (200 p)	daN /mm²	1800 to 2200 ⊢ to c 1125 to 1380 / / to c
Tensile strength	daN /mm²	26
Flexural strength	daN /mm²	35 to 39
Compressive strength	daN /mm²	210
Young's modulus E	daN /mm²	3.6· 10^4 to 4.4· 10^4
Poisson's ratio		0.32 to 0.36
Thermal properties		
Max. use temperature	°C	1800 to 1950
melting temperature	°C	2050
specific heat	J / kg k	753
coefficient of l inear thermal expansion at 20°C	°C-1	6.2· 10^{-6} / / to c
	°C-1	5.4· 10^{-6} ⊢ to c
Thermal conductivity at 20°C	w / m k	41.9
Optical properties		
n_d (refraction index to λ =589.3nm)		1.760 / / to c 1.769 ⊢ to c
Chromatic dispersion $n_F - n_C$		
n_F = n t 656.3 nm , N_C = n at 486.1 nm)		0.011
Constringence (1 / relative dispersion)		
(Abbe's number)	$v_d=(n_d-1)/(n_F-n_C)$	72

Sapphire Characteristics



Member of FHKI



National standard

ISO 9001



DAS CERTIFICATION

DAS CERTIFICATION

Quality Management System
Certificate of Approval

This is to certify that the QMS of

Sunyin Crystal Industry (Shenzhen) Co., Ltd

Unified Social Credit Code: 91440300733076440 3

5-6/F, Bldg.B9, Hengfeng Ind. Center Hezhou, Xixiang, Baoan, Shenzhen, Guangdong, China

Has been assessed and found to meet the requirements of

GB/T 19001-2016/ISO 9001:2015

This certificate is valid for the following scope of operations:

Manufacture and Sale of Man-made Gemstones Crystal and Optical Crystal for Watches and Clocks Using

Date of Certificate Issue: Sep, 04, 2020

Certificate Valid Until: Sep, 03, 2023

Certificate Number: **QM152009024**

Initial Certificate Issue: Sep, 23, 2011

The validity of the registration will be continued only when the organisation passes annual surveillance audit.
Check the validity of the certificate at www.cnca.gov.cn or www.das-china.com.

Surveillance Audit Pass Mark

Authorised by Chief Executive

Shanghai DAS Certification

Add: 505, Tower 2, Guosen Center, No. 388, Zhongjiang Road, Shanghai, P.R.China, 200062
Tel: 0086-21-62773910 Fax: 0086-21-62080319
Web: http://www.das-china.com
Email: info@das-china.com
UK Head Office: DAS Certification Limited (On Behalf of SN Registrars (Holdings) Limited)
ADD: Registration House, 22b Church Street,
Rushden, Northamptonshire, NN10 9YT, UK
Tel: +44(0)1933 381859
Email: info@dascertification.co.uk
Web: www.dascertification.co.uk
Company Number: 07650967

IAF

ISO 9001

UKAS

ISO 14001



DAS CERTIFICATION

DAS CERTIFICATION

Environmental Management System
Certificate of Approval

This is to certify that the EMS of

Sunyin Crystal Industry (Shenzhen) Co., Ltd

Unified Social Credit Code:91440300733076440 3

5-6/F, Bldg.B9, Hengfeng Ind. Center, Hezhou, Xixiang, Baoan, Shenzhen, Guangdong, China

Has been assessed and found to meet the requirements of

GB/T 24001-2016/ISO 14001:2015

This certificate is valid for the following scope of operations:

Manufacture and Sale of Man-made Gemstones Crystal and Optical Crystal for Watches and Clocks Using

Date of Certificate Issue: Sep, 06, 2021

Certificate Valid Until: Sep, 05, 2024

Certificate Number: **EM152109005**

The validity of the registration will be continued only when the organisation passes annual surveillance audit.
Check the validity of the certificate at www.cnca.gov.cn or www.das-china.com
Surveillance Audit Pass Mark:

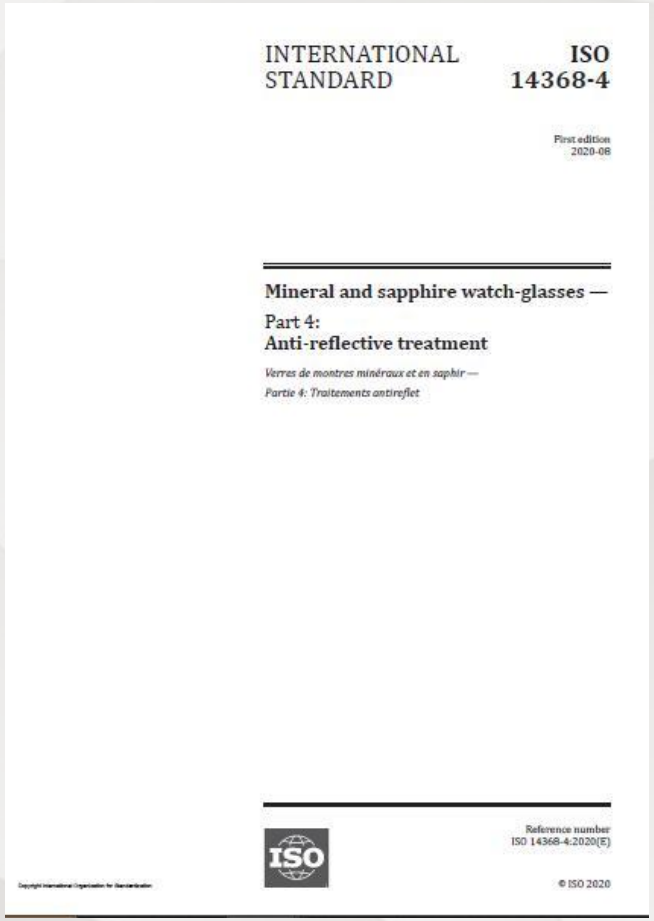
Authorised by: Chief Executive

Shanghai DAS Certification Co., Ltd.,

Add: 505, Tower 2, Guosen Center, No. 388, Zhongjiang Road, Shanghai, P.R.China, 200062
Tel: 0086-21-62773910 Fax:0086-21-62080319
Web: http://www.das-ch na.com
Email: info@das-china.com
UK Head Office: DAS Certification Limited, trading name of
SN Registrars (Holdings) Limited
ADD: Registration House, 22b Church Street
Rushden, Northamptonshire, NN10 9YT, UK
Tel: +44(0)1933 381859
Email: info@dascertification.co.uk
Web: www.dascertification.co.uk
Company Number : 07650967

ISO 14001

ISO 14368-4



INTERNATIONAL STANDARD

ISO 14368-4

First edition
2020-08

Mineral and sapphire watch-glasses —
Part 4:
Anti-reflective treatment

Verres de montres minéraux et en saphir —
Partie 4: Traitements antireflet

ISO

Reference number
ISO 14368-4:2020(E)

© ISO 2020







新源光學實業有限公司

Sun Yin Crystal Industry Co., Ltd.

專 業 藍 寶 石 產 品 製 造 商

Professional manufactory of Sapphire Crystal Product
Contact Person : Dave Leung
Email: dave@sunyincrystal.com