

Address: NO.2-10, Jinlong Avenue South, Shahu Community Pingshan, Pingshan New District,
Shenzhen City, China.

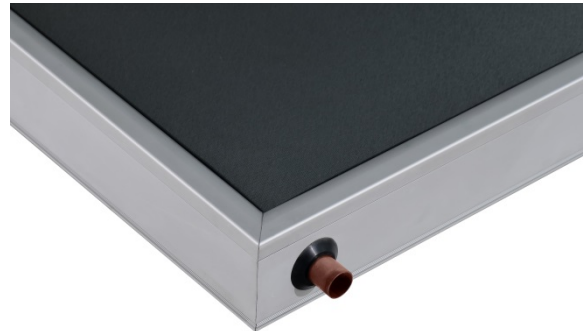
Tel: +86-769-21682567

Website: www.millionsun.com

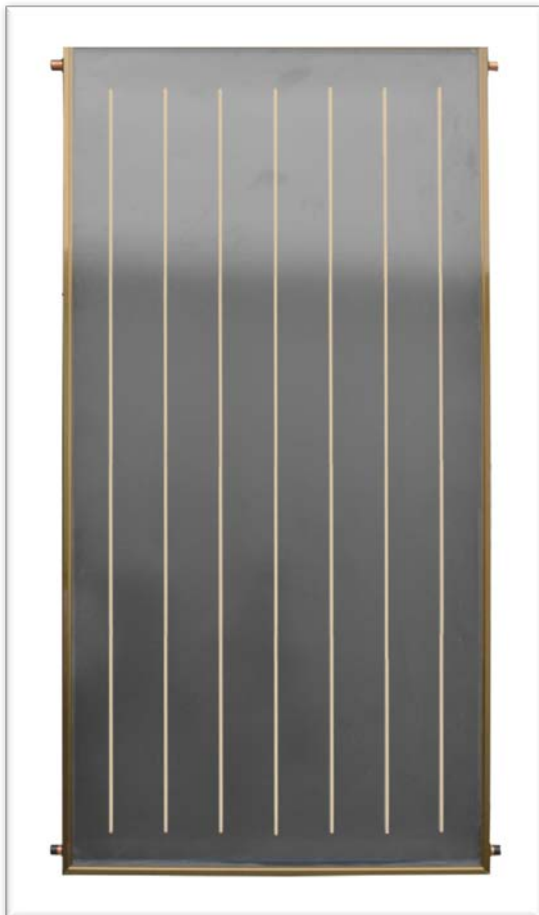
E-mail: jacky@millionsun.com

Black Flat Plate Collector

Millionsun's black flat plate collectors are manufactured according to European quality standards. By introducing black Chrome coating layer and applying ultrasonic welding technology, our products, with stable quality and solar keymark certificate, have been sold in batches to European markets. Featuring optimal and reasonable structures, fine appearance and easy installation, our products are well combined with buildings and applicable to household and scaled systems.



Type : M-SBC/2.0-Black / M-SBC/2.5-Black



Warranty Details: 10 years warranty for collector

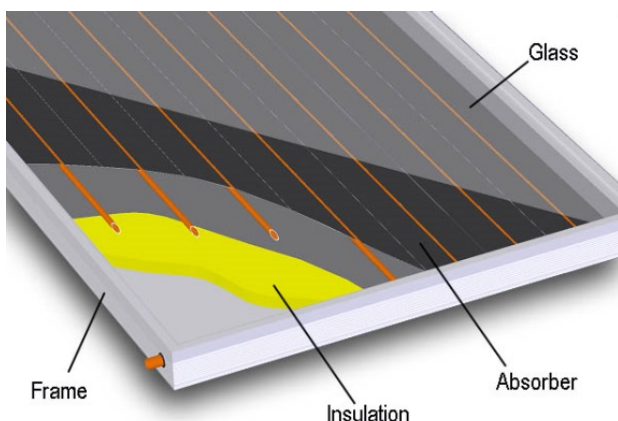
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Description		Unit	Specification	
Dimension (LXW XH)		mm	2000X1000X80	2000X1250X80
Gross Area		m ²	2.0	2.5
Aperture Area		m ²	1.84	2.32
Absorber Area		m ²	1.76	2.22
Total weight of the empty collector		Kg	29	34
Collector connection (Inlet / Outlet)		mm	Φ22	Φ22
Max.idle temperature		°C	152	152
Liquid content		L	1.6	2.0
Operating pressure		Bar	12	12
Nominal volume flow			50-300	50-300
Cover	Cover material	Low iron patterned tampered glass		
	Cover thickness	3.2 mm		
	Cover transmission	≥92%		
Absorber	Material	Copper sheet strip / Full Aluminium sheet		
	Surface treatment	Black Chrome coating		
	Absorptivity	95%±2%		
	Emissivity	8%±2%		
Frame	Material	Aluminium alloy 6063		
	Colour	Silver or Black		
Insulation	Material	Glass wool (30mm,35Kg/ m ³)		
Back plate	Material	Aluminium sheet (0.5mm)		
Glass sealing	Material	EPDM		



Millionsun Solar flat collector manufacture line start to made solar flat collector at 2002, there is 50000 sqm for the manufacturing place. We have 1 Black absorber coating production lines, black absorber coating annual production capacity over 1 million sqm, we hold black absorber coating market capacity of 30% in china.

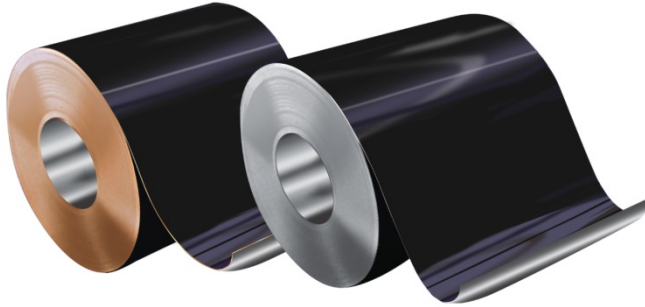
We have 2 ultrasonic welded production lines and 1 laser welded production lines, We supply all kinds of flat plate solar collector to client, workshop manufacture 20000 sqm flat collector per month, annual production capacity over 200000 sqm flat collector,

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**Millionsun
black chrome coating coil**

Millionsun Black chrome coating manufacture line

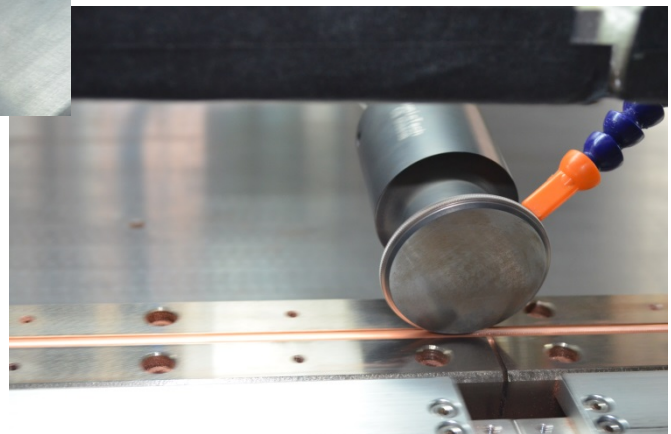


Ultrasonic Welding



**Copper
absorber strip
welding with
copper tube**

**Aluminium
absorber strip
welding with
copper tube**



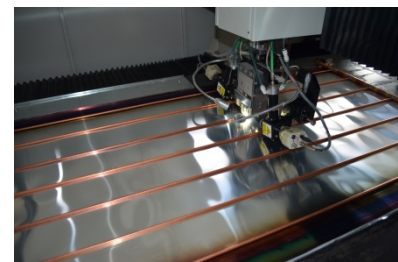
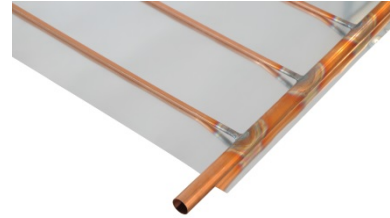
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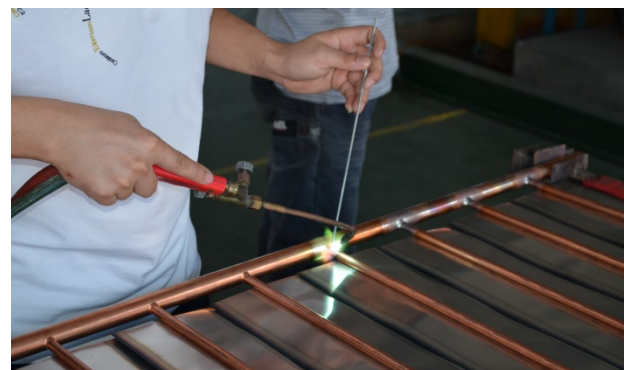
Laser welding



Automatic punch hole



Copper tube welding



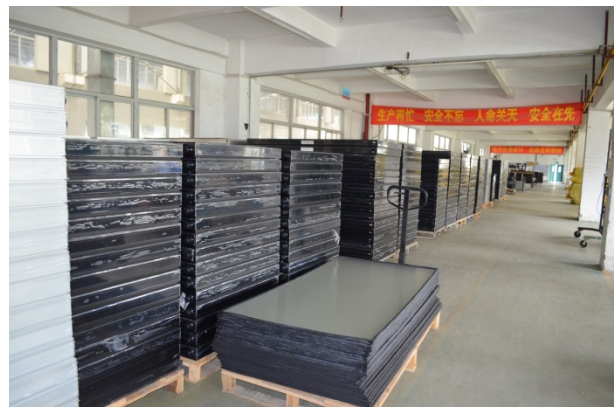
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Automatic frame assemble



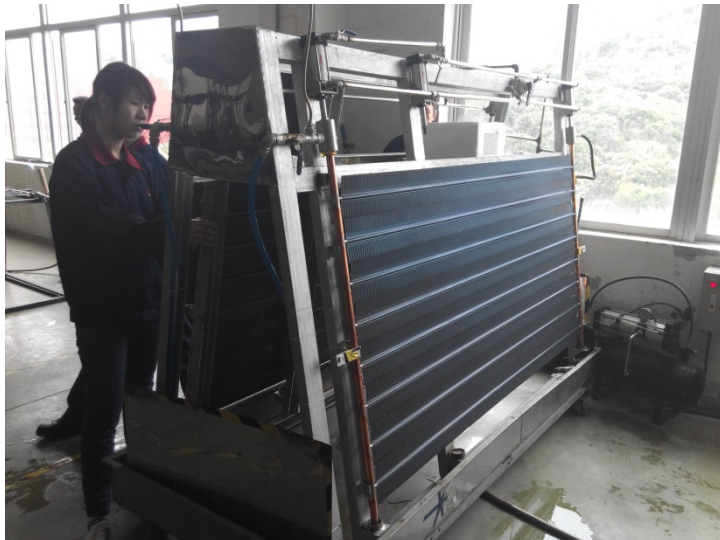
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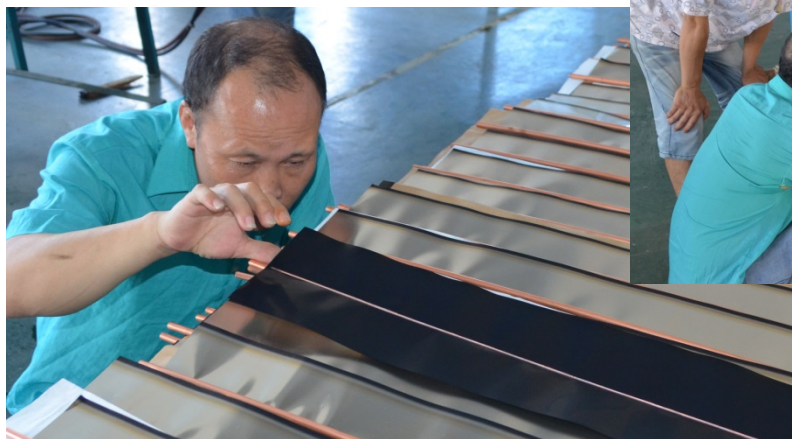
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Collector tracking number



All the absorber 100%
Pressure test

Strict Quality control



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Collector test in TUV and certificate record list



>>> 2008 years millionsun solar flat collector get solar keymark certificate

Black collector solar keymark certificate Number: PSK-003/200

Blue collector solar keymark certificate Number: PSK-034/2008

>>> 2011 years millionsun solar flat collector get SRCC certificate

Blue collector SRCC certificate Number: 100-2011019A

>>> 2011 years millionsun solar water system get solar keymark certificate

solar water system certificate Number: 011-7S1787A

>>> 2011 years millionsun solar water system get WaterMark and AS certificate

solar water system WaterMark certificate Number: WMKA25272,

OMK25271 and WM-025272 (renew certificate in 2016)

>>> 2011 years millionsun renew blue and black solar keymark certificate

Black collector solar keymark certificate Number: PSK 053-2011

Blue collector solar keymark certificate Number: PSK 054-2011

>>> 2012 years millionsun solar flat collector get SRCC certificate

Black collector SRCC certificate Number: PSK-003/200

>>> 2012 years millionsun solar flat collector get CSA certificate

Blue collector solar keymark certificate Number: 2561085

>>> 2013 years millionsun solar flat collector get solar keymark certificate

Blue collector solar keymark certificate Number: SP SC0975-13

>>> 2016 years millionsun get new black collector solar keymark certificate

Black collector solar keymark certificate Number: 011-7S2656 R