

SOLAR APPLIED MATERIALS TECHNOLOGY CORPORATION

GOLD BAR MANUFACTURER IN TAIWAN

Solar Applied Materials Technology Corporation (Solartech), a leading manufacturer of precious metal products for the optical and magnetic data storage industry worldwide, has its international headquarters at Tainan Technology & Industrial Park in the city of Tainan.

Gold refining and bar manufacture are currently being transferred from the Kuan-Tien Plant to the company's largest industrial site, known as Solar Park, 40 km north of Tainan.

Tainan, 250 km south of Taipei, the capital of Taiwan, was the previous capital of Taiwan from the 17th century until 1887. Tainan, renowned for its cultural heritage, is easy to visit, less than two hours by high-speed train from Taipei's international airport.

The island of Taiwan is 180 km off the Chinese mainland. Population: 23 million.

ACCREDITATION

2010 London Bullion Market Association (LBMA)

RANGE OF GOLD BARS

The company manufactures a standard range of 5 bars.

Cast: 400 oz, 1000 g, 5 tael

Minted: 1 tael, 10 g

Customized bars and medallions are also manufactured for external entities.

BACKGROUND

Solar Applied Materials Technology Corporation (Solartech), known by this name since 1999, was founded as Solar Chemical Co Ltd in 1978.

It is a public company, listed on the Taiwan Stock Exchange since 2005.

The company, which has grown rapidly in recent years, operates four manufacturing sites in the vicinity of Tainan. Apart from the original Kuan-Tien Plant, which was established in 1978, three large manufacturing complexes have been constructed since 2005.

Industrial Complex Taiwan – Tainan	Establishment Date	Size of Site	
		Hectares	Acres
Kuan-Tien Plant	1978	0.7	2
Tainan Technology & Industrial Park (TTIP)	2005	9.2	23
Environmental Science & Technology Park (ESTP)	2006	8.1	20
Solar Park	2009*	15.3	38

*Solar Park to be completed in 2012.



Solartech has its international headquarters in Tainan in southern Taiwan.



The company has manufactured London Good Delivery 400 oz bars since 2010.



The kilobar was branded with the new official stamp in 2010.



Two large manufacturing complexes have also been established in China, at Kun-Shan (60 km from Shanghai) since 2003.

Industrial Complex China – Kun-Shan	Establishment Date	Size of Site	
		Hectares	Acres
Kun-Shan Plant I	2003	5.1	12
Kun-Shan Plant II	2008	6.6	16

In addition, the company has opened offices in Hong Kong and USA (2009), and China and Singapore (2011), as well as operating through agents in Asia, Europe, India and Australia.

Solartech focuses on four categories of precious metal products: precious metal chemicals and materials, sputtering targets for thin film applications, specialty chemicals for the automobile industry, and the recycling of precious materials, including gold, silver, platinum, palladium and ruthenium.

For manufacturers of optical and magnetic data storage products such as CDs and DVDs, the company is the world’s largest supplier of sputtering targets.

The Solartech gold refinery processes mine doré (predominantly gold or silver), electrolytic slimes (derived from silver), precipitated gold slimes, old jewellery, electronic scrap, slag and other refining scrap, as well as spent solutions containing resin and other materials.

Gold refining methods include wet chemical chlorination (aqua regia and chlorine gas), wet chemical parting and solvent extraction.

Annual gold refining capacity is approximately 80 tonnes.

The company also manufactures London Good Delivery silver bars (since 2008) and London Good Delivery platinum bars (since 2010).

The Precious Metal Sales Division is based at the company’s TTIP industrial complex in Tainan, while the Precious Metal Management Centre is based in the city of Taichung, 100 km north of Tainan.

Number of employees: 1,197 (Taiwan), 320 (China)

Websites: www.solartech.com.tw
www.GoldTaiwan.com (Chinese language only)



The gold refinery will be transferred from the Kuan-Tien Plant to the new Solar Park complex in 2012.

OFFICIAL STAMP



Applied to 400 oz, 1000 g and selected minted bars.
 In use since 2009.

The stamp depicts the Black-Faced Spoonbill, a rare migratory wading bird that visits Tainan.

CERTIFICATION MARK



Applied to 400 oz and 1000 g bars.
 In use since 2009.

It is also acts as the official stamp on 5 tael and 1 tael bars.

TECHNICAL DESCRIPTION

Weight	Type	Fineness	Shape	Dimensions mm	Serial Number System	First Issued*
400 oz	Cast	999.9	Rectangular	258 x 80 x 39 236 x 56 (base)	2 letters Plus 4 numbers Plus year	2009
1000 g	Cast	999.9	Rectangular	115 x 50 x 8	1 letter Plus 5 numbers	2010
5 tael	Cast	999.9	Rectangular	78 x 20 x 5	1 letter Plus 5 numbers	2012
1 tael	Minted	999.9	Rectangular	29 x 18 x 4	-	2012
10 g	Minted	999.9	Rectangular	26 x 16 x 1.3	-	2012

Source: Solar Applied Materials Technology Corporation. *First issued in current format.



Serial Numbering System

400 oz. 1st letter is "A". 2nd letter refers to the year of manufacture, starting "A" = 2009, followed by "B" = 2010. Plus 4 numbers.

1000 g and 5 tael. 1st letter refers to the year of manufacture, starting "A" = 2012, followed by "B" =2013. Plus 5 numbers.

Tael-Denominated Bars in Taiwan

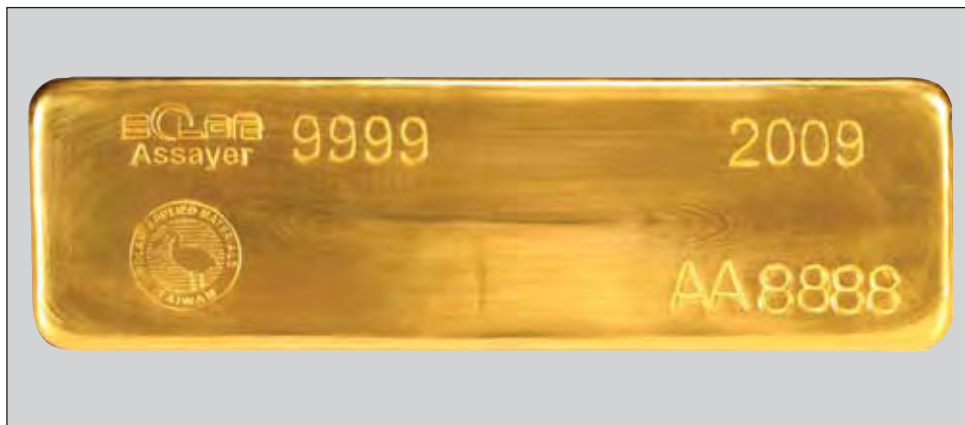
It can be noted that, among bar manufacturers in Taiwan and Hong Kong, the tael weight can vary.

In Taiwan, 1 tael is normally equal to 37.500 g, while in Hong Kong it is normally equal to 37.429 g.



Gold refining relies mainly on the wet chemical chlorination process.

EXAMPLES OF GOLD BARS



London Good Delivery 400 oz bar.



Pouring a 400 oz bar.





1000 g



5 tael



1 tael





10 g

LEGAL TENDER GOLD COIN



Solartech manufactures and wholesales an **unusual legal tender gold coin**, issued in the shape of a bar by São Tomé and Príncipe, a small island nation off the west coast of Africa.

Retailed by a Taiwanese bank at a fixed price, the 10 g coin includes a decorative design that changes each year to depict the zodiac sign in the Chinese Lunar Calendar.

In 2012, the mintage of "Dragon" coins was limited to 10,000. Face value: 1,000 Dobras.

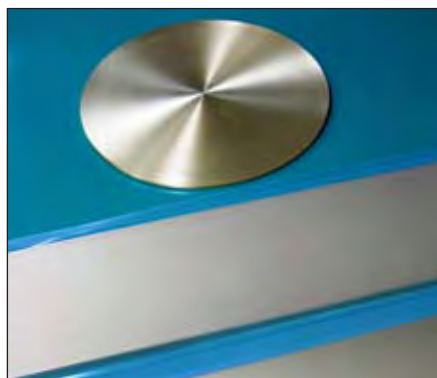




The trading room at the Precious Metal Management Centre in Taichung.



Gold bars can be packed in presentation cases.



Solartech is the world's largest manufacturer of precious metal sputtering targets used in the production of optical and magnetic data storage disks, such as CDs, DVDs and HDDs.





The recycling of waste water is undertaken in a picturesque environment at Solar Park.



The endangered **Black-Faced Spoonbill**, which is depicted on Solartech's official stamp, is a symbol of the company's commitment to safe-guarding the environment.

There are only about 2,000 in existence, yet a small flock migrates from North Korea to spend the winter months in the nature reserve areas on the company's 23-acre TTIP site and in the nearby Taijiang National Park.

Painting: Rong Ren Foundation, Tainan



Refer to disclaimer on website: www.goldbarsworldwide.com

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