

INTERNATIONAL COPPER STUDY GROUP



Survey of Brass Mills, Copper Products and Foundries in China: Industrial Copper First Users ex-Wire Rod

2014

- The survey completed in March 2014 covered 343 Chinese producers with 6,345kt/a capacity for copper and copper alloy products excluding copper wire rod. All the operational Chinese plants surveyed are currently using either copper scrap or refined copper as a raw material.
- Different groups of plants of semifabricated products are included in the survey: copper and copper alloy flat products as sheet/strip (PSS), rod/bar (RBS), tubes, alloy wire, foil, powder and castings. Among the 343 plants, 100 mills with 4,047kt/a capacity are surveyed in detail: 30 copper and copper alloy PSS mills, 25 RBS mills, 25 tube mills, 2 casting mills, 3 powder mills, 7 foil mills and 8 alloy wire mills are included with some plant visits. The remaining 243 mills were surveyed by phone, email but not visited.
- The 37 page survey report provides a detailed overview of past, current and expected capacity, output and use of copper scrap and refined copper. Every industrial group of fabricators of copper and copper alloy products across China is included with the exception of copper wire rod producers. The study allows readers to understand the transformation of the industrial sectors using copper in China, the closure and replacement of old plants and the evolution of new plant capacities. The relative importance of copper scrap versus refined copper in every industry group is described and explained in detail, in particular for scrap intensive brass rod and alloy wire. Finally the role of scrap availability, scrap spreads, Chinese prices and other factors impacting the Chinese copper industry are discussed. Forecasts for the period 2014-2016 are included for each product included in the survey.

Contents of the Survey Report

1 Introduction	1
2 Executive summary	2
2.1 Copper/copper alloy semis production in the sampled mills	2
2.2 Scrap usage by the sampled mills.....	3
3 Scraps usage in the copper/copper alloy PSS mills	8
3.1 China's copper/copper alloy PSS production overview	8
3.2 Survey of the PSS mills	9
3.2.1 Introduction	9
3.2.2 PSS production	11
3.2.3 Scrap usage	12
4 Scraps usage in the copper/copper alloy rod mills	15
4.1 China's copper/copper alloy rod production overview	15
4.2 Survey of the copper / copper alloy rod mills	16
4.2.1 Introduction	16
4.2.2 RBS production	17
4.2.3 Scrap usage	18
5 Scraps usage in the copper/copper alloy tube mills	21
5.1 China's copper/copper alloy tube production overview	21
5.2 Survey of the copper / copper alloy tube mills.....	22
5.2.1 Introduction	22
5.2.2 Tube production	23
5.2.3 Scrap usage	24
6 Scraps usage in the copper/copper alloy casting, powder, foil and alloy wire mills...	27
6.1 Scraps usage in the copper/copper alloy casting foundry	27
6.2 Scraps usage in the copper/copper alloy powder plants.....	28
6.3 Scraps usage in the copper foil plants	29
6.4 Scraps usage in the copper/copper alloy wire mills	30
7 Factors impacting scrap usage	32

International Copper Study Group Order Form

Prices are quoted in Euros. For US dollars payments contact ICSG (see below)

PUBLICATION	Member Country	Non-Member Country
Survey of Brass Mills, Copper Products and Foundries in China: Industrial Copper First Users ex-Wire Rod	€400	€600

NOTE: ICSG members refer to orders originating from institutions based in ICSG member countries. ICSG member countries are: Australia, Belgium, Chile, China, Finland, France, Germany, Greece, India, Iran, Italy, Japan, Luxembourg, Mexico, Peru, Poland, Portugal, Russian Fed., Serbia, Spain, Sweden, U.S.A. and Zambia.

Name _____ Title _____
 Company _____
 Address _____
 City _____ Postal Code _____ Country _____
 Tel _____ Fax _____ E-mail _____
 Date _____ Signed _____

METHOD OF PAYMENT

I enclose a cheque payable to the *International Copper Study Group* of _____ Euros addressed to:
International Copper Study Group, R. Almirante Barroso, n° 38 - 6th Floor, 1000-013 Lisbon, Portugal

Please debit my VISA/Master Card for _____ Euros

Card number

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

C.V.V. (Card Value Verification - last three digits of the number on the back of the card)

--	--	--

Cardholders Name _____ **Expiry date** _____

Signature _____ **Date:** _____

Cardholders Address _____

US dollar payments and electronic bank transfers may be possible. Please contact the ICSG for details.
 e-mail: mail@icsg.org tel: 351-21-351-3870 fax: 351-21-352-4035