

Handbook on Finishing in gold jewellery manufacture

NEW PUBLICATION – THE ESSENTIAL PRACTICAL BOOK ON POLISHING AND FINISHING!

To many jewellery producers, finishing – particularly polishing – represents the final stage of manufacture and is often seen as an opportunity to hide any surface defects arising from earlier manufacturing steps. It is considered a necessary – and expensive – solution to the defect problem. In many factories and workshops, the effort devoted to polishing is high in labour terms and represents a significant proportion of total production cost. It can also be a significant source of gold loss.

The more progressive manufacturers see finishing as the last step in an integrated manufacturing process to produce a quality item and recognise that care taken in earlier stages can substantially reduce the effort and cost involved in finishing.

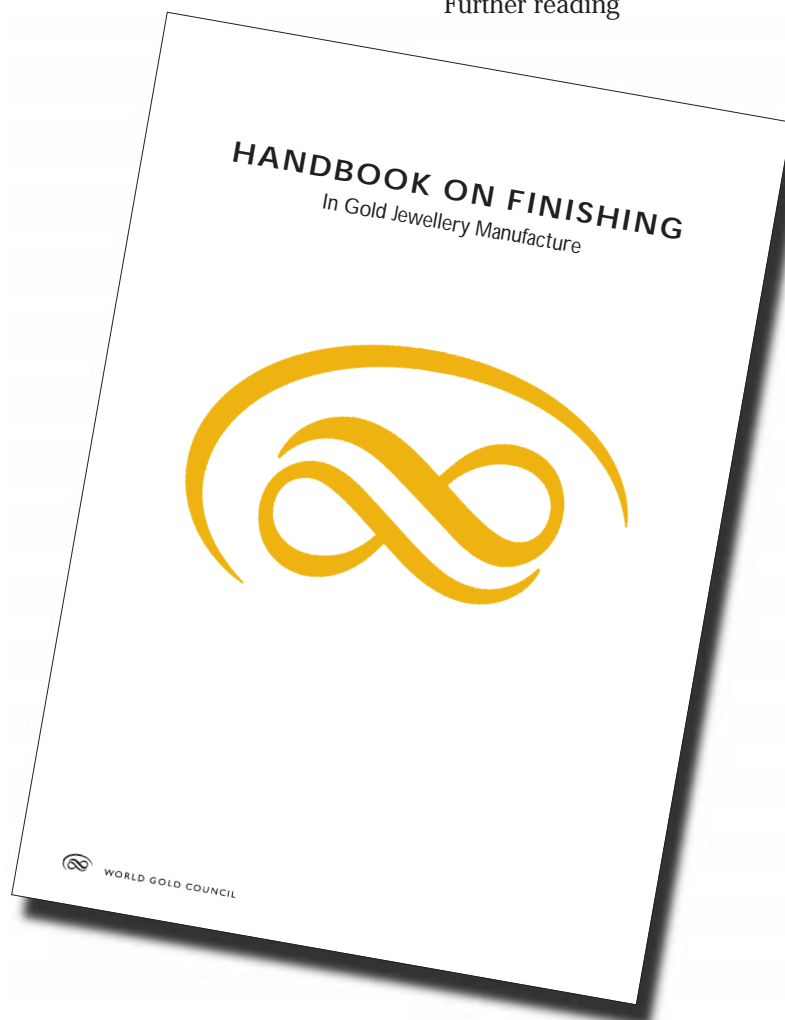
The quality of finish – usually polish – of a piece of gold jewellery is important as the customer will judge its quality by the standard of finish as well as its design. However, many manufacturers struggle to achieve the desired standard of surface quality at a reasonable cost, possibly because they view polishing as a ‘magic’ skill of the workers and do not understand that polishing is a technology based on straightforward scientific principles. Understand the technology and you are half-way to solving your problems.

World Gold Council is pleased to announce publication of its latest technical book – the **Handbook on Finishing**. This Handbook is intended to fulfill this need – to explain the underlying technology, the finishing materials and processes and how to approach optimising the finishing process for each type of product. It is the first book to cover all the modern processes and equipments involved in the finishing of gold jewellery, with particular

emphasis on polishing and the mechanised processes. As such, it is unique.

This is a comprehensive book covering all aspects of finishing of gold jewellery, whether done by traditional manual techniques or by machine. Written by an industry expert and consultant to World Gold Council, Dr Valerio Faccenda, this handbook is well illustrated in colour and covers the following topics:

- Introduction and glossary
- Polishing – the basic principles
- Preparation of jewellery for finishing
- Polishing processes – electrochemical, hand polishing and mechanised finishing (including equipment, media, optimised finishing cycles)
- Other processes
- Chemical finishing (‘bombing’)
- Electroplating
- Behaviour of gold alloys
- Safety: procedures and recommendations
- Further reading



Whilst written from the technology aspect, it is a practical book and will be an essential tool for all those seriously interested in gold jewellery manufacture and a quality finish. It covers the basic principles underlying the polishing process and the various types of polishing machines currently available for mechanised polishing, their characteristics and advantages, and the optimum finishing cycles. It is the only Handbook focused on the finishing of jewellery.

This Handbook is available in English and Italian from the World Gold Council office in London or from local offices. Cost is £16 sterling, including postage. For future availability in other languages, consult your local office.

Orders to London should be sent, with payment, to Industrial Division,

World Gold Council, Kings House, London SW1Y 4BP, England. [Fax: +44 171 839 6561]

Payment to be made in £ sterling only by money order or cheque (sorry, no credit cards) or directly into our Bank account at: Barclays Bank plc, 50 Pall Mall, London SW1, England. Bank sort code: 20 67 59, account no. 70964271.

Details of all World Gold Council technical publications are given in the preceding issue of *Gold Technology*, No 24.

Latest news: The *Handbook on Finishing* and all other technical publications will be available for purchase or order from the World Gold Council stand at the VicenzaOro 2 Jewellery Fair, 12-17 June 1999. The new "Design Trends 2000" book will also be available.

Calendar of Events

13th Santa Fe Symposium on jewelry manufacturing technology

This annual Symposium will be held in Albuquerque, N M, USA on 16-19 May 1999. For details and registration, contact the Santa Fe Symposium, 7500 Bluewater Road NW, Albuquerque, NM 87121, USA. Tel: +1 505 839 3249 or toll-free: 1 800 952 6222 (USA & Canada). Fax: +1 505 839 3248

Sixth International Symposium on gold jewellery technology

This will be held on Sunday, 13 June 1999 at VicenzaOro 2, Vicenza, Italy. Details on page 2 of this issue. Registration is required.

Workshops: "Laser & Rapid Prototyping Technology Applications in the Jewellery industry"

The European Jewellery Technology Network (EJTN), financed by the European Community, is holding a workshop on the use of laser and rapid prototyping technologies in the jewellery industry. It is being held at Centro Innovazione Lecco (CIL), Lecco, Italy on 7-8 May 1999 and 2-3 July 1999. Cost is 700 Euro plus accommodation. For further information contact: Cristina Rodolatti, CIL, Via Allo Zucco 6, I-23900 Lecco, Italy. Tel: +39 0341 493524; fax: +39 0341 499054;

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