

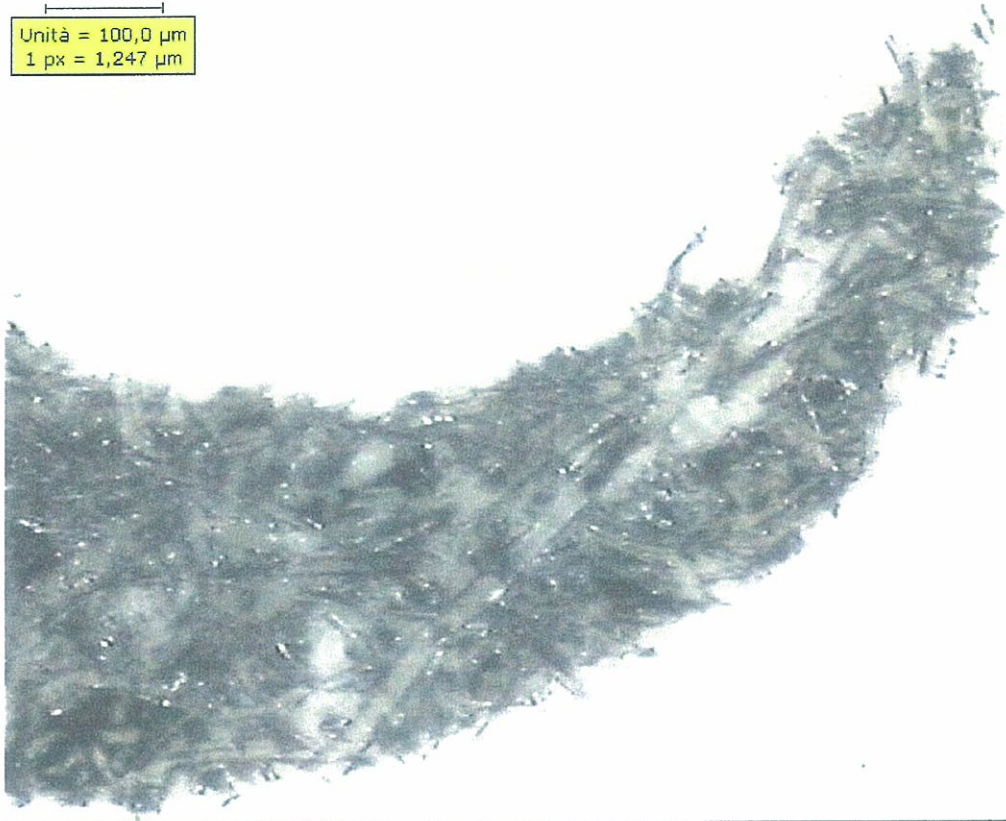
**francesco bordoni**

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VAT Number 073885330151 – Fiscal code: BRDFNC51R11F205T – Chamber of Commerce, Industry, Crafts and Agriculture (MI) 30-0001317

Unità = 100,0 µm  
1 px = 1,247 µm



- 1
- 2 It is possible to note that the character shows some imperfections and imprecisions
- 3 attributable to the chemical incision of the printing plate.
- 4 A photograph showing a detail of the halftone picture on page 103 of the book in
- 5 question is reported below.



Ministero dell'Economia e delle Finanze  
gazzetta  
tribute  
00022-110  
00021-180  
0576-00088  
IDENTIFICATIVO

0008572CA  
07/11/2014  
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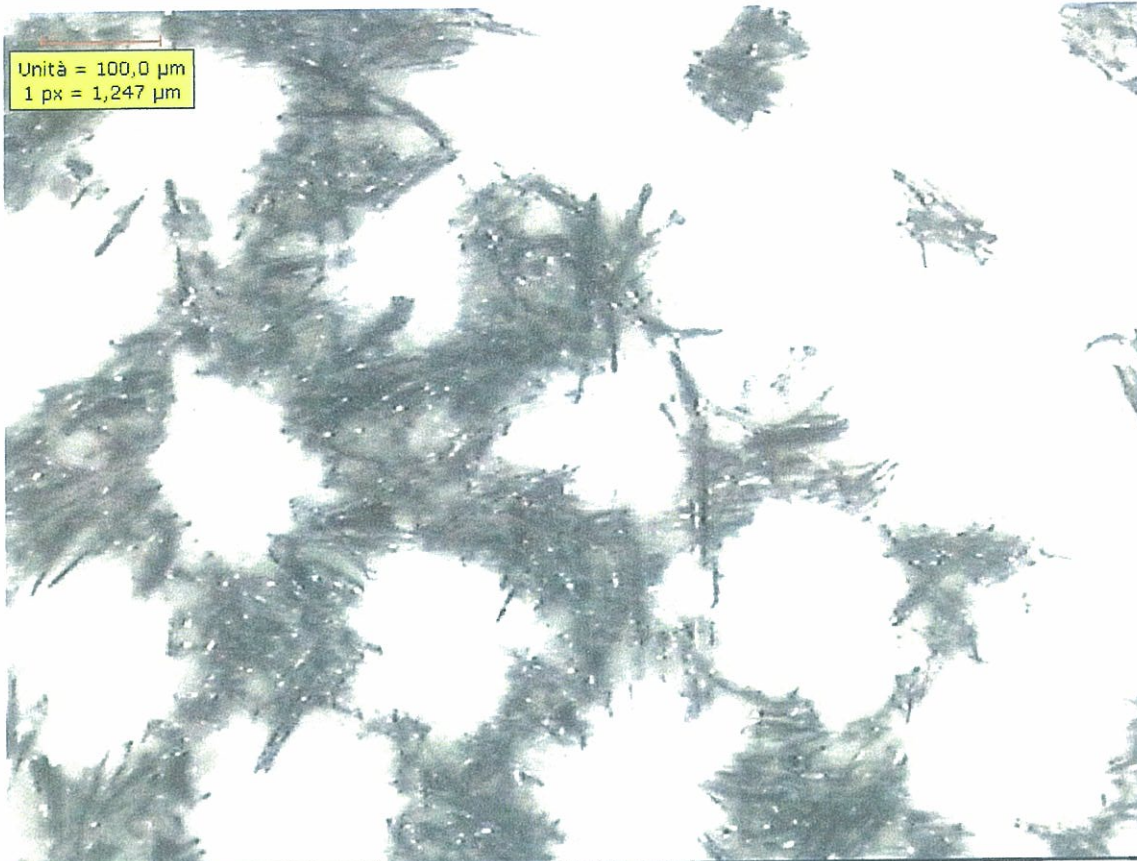


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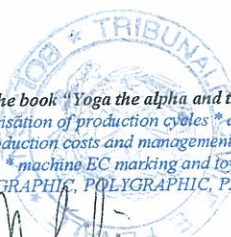
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- 1
- 2 This image shows the defect in the halftone dots on the chemically incised metal
- 3 plate even more clearly.
- 4 To further prove the chemical incision technology of the printing plates, I also
- 5 examined the colour printed and enamelled photograph at the beginning of the book
- 6 in question. This printed matter is fundamental, since it was printed separately, not at
- 7 the same time as the rest of the book, and then glued on one page of the book. Two
- 8 microscope images of two details on this page are reported below.



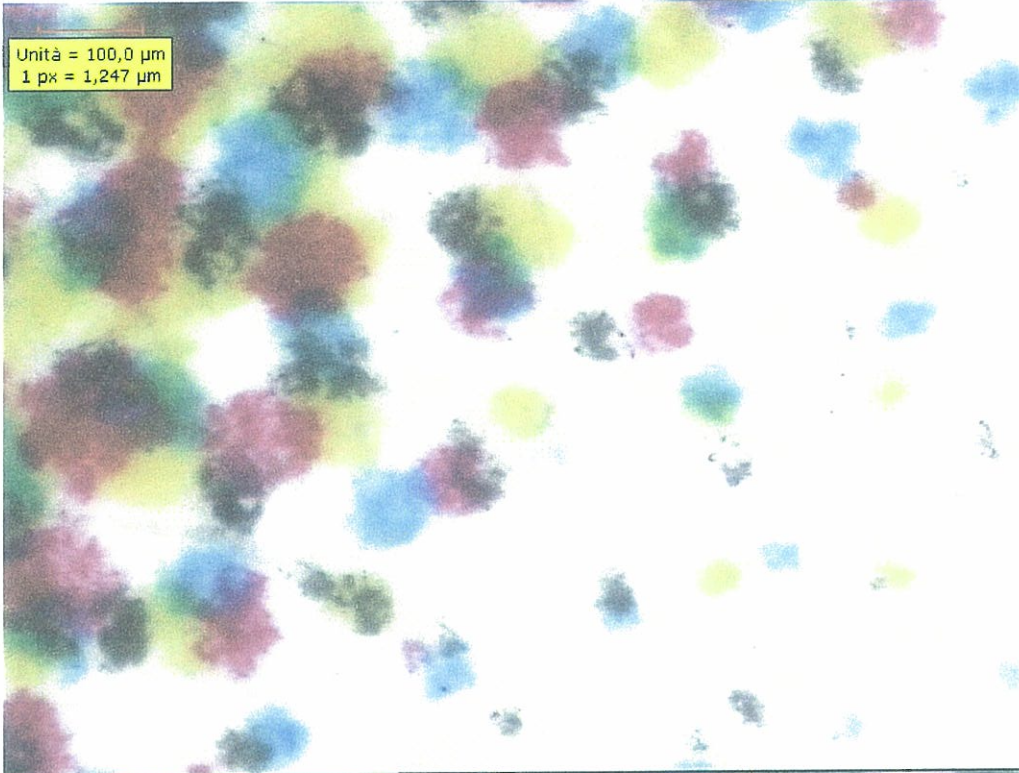


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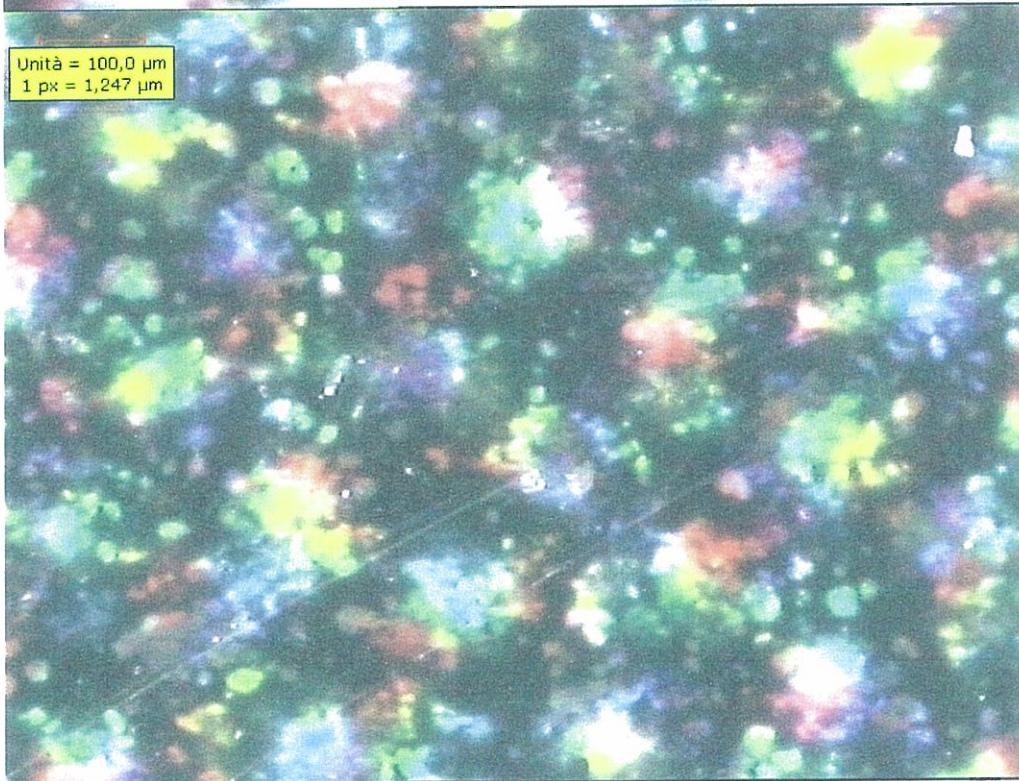
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1



2

3 The first image shows the light dots in the photograph, the second one shows the dark  
4 dots. In both photographs, clear imperfections are evident, which are typical for  
5 printing plates (plates) incised with a chemical process.



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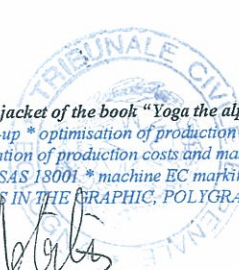
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- 1 At this point, it is obvious that both the book and the photograph were printed in the
- 2 same period and with the same technologies.
- 3 **3.- Technology used for producing the jacket**
- 4 The jacket is shown in the photograph below:



- 5
- 6 For analysing the jacket, I also examined the text characters and the details of the
- 7 images in order to ascertain what technologies had been used.
- 8 Two details of characters in the jacket text, printed in black, present on the two outer
- 9 book flaps, were checked. The photographs below show what these characters look
- 10 like when viewed with an electronic microscope.



*Michele Notari*



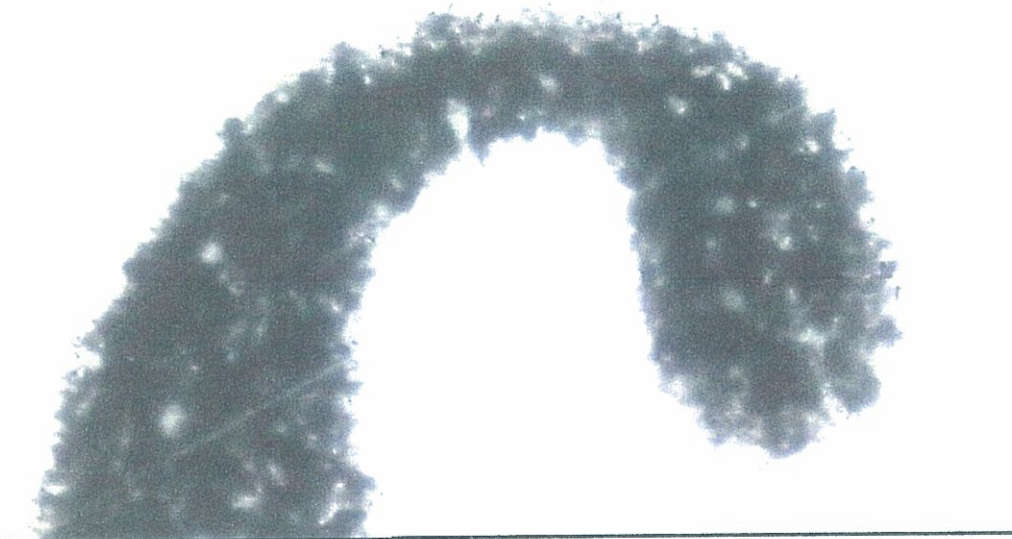
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Unità = 100,0 µm  
1 px = 1,247 µm



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Unità = 100,0 µm  
1 px = 1,247 µm



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It is possible to see that the characters taken into consideration, viewed with an electronic microscope, show the same details as the characters examined for the body of the book.



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Agenzia Entrate  
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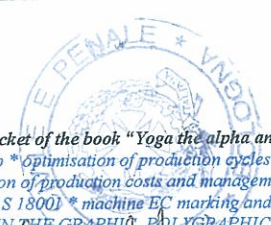
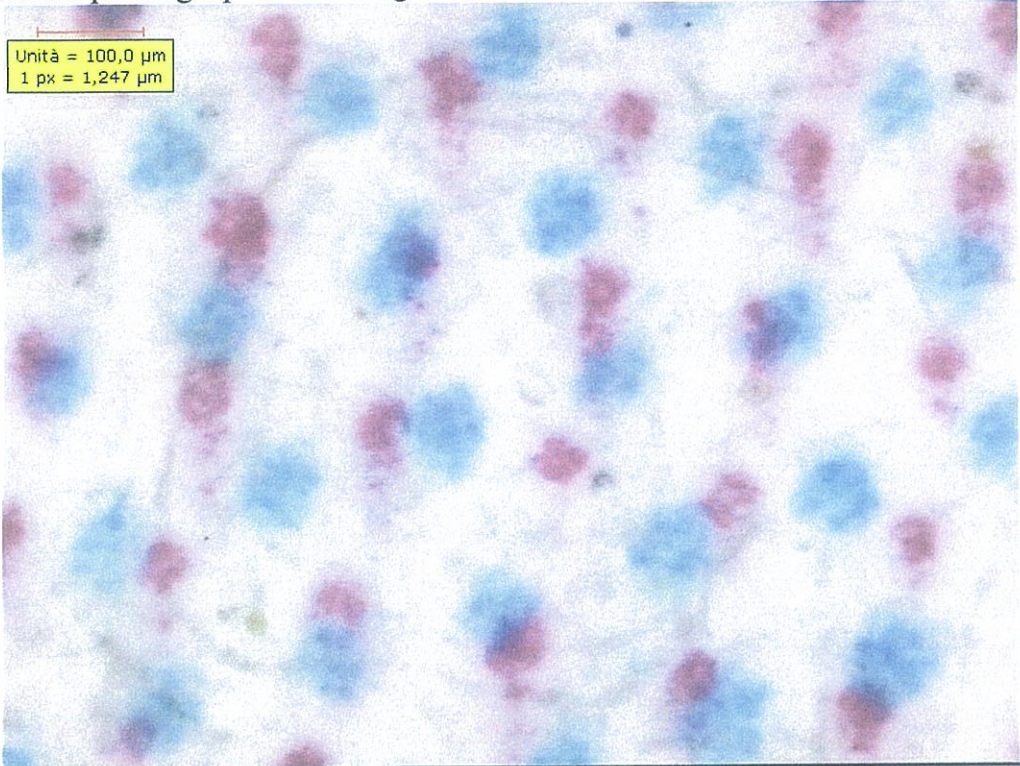
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1 Some photographs showing the details in these images are reported below:



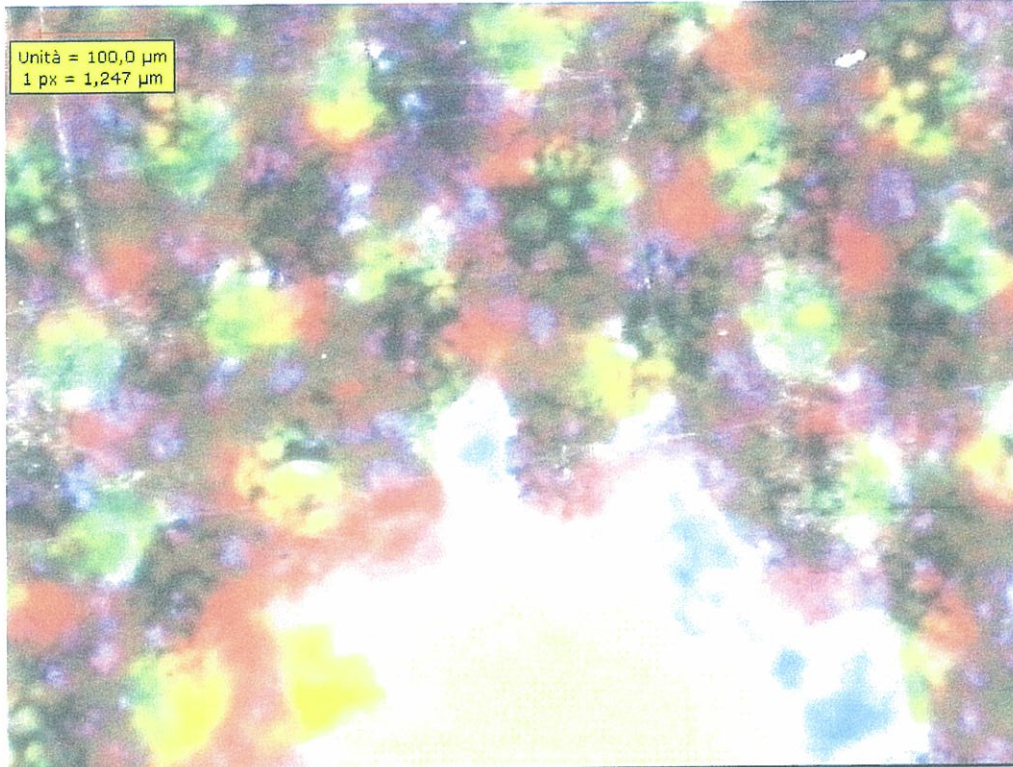


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1  
2 The three images reported above show, respectively: the first one contains a light-  
3 colour area in the image, the second one contains a dark-colour area in the image, the  
4 third one contains an area near the negative text near the signature.

5 The three images shown above prove that the jacket was also made by means of the  
6 same technologies as the body of the book, that is chemically incised printing plates  
7 were used.

8 **4.- Comparison with printed matters produced after the printing of the book in**  
9 **question.**

10 I took into consideration some printed matters whose production date was certain and  
11 which had been available on the market. They were analysed in chronological order,  
12 on the basis of their publication dates.

13 The first printed matter taken into consideration was the book “Capire l’Italia –  
14 PATRIMONIO STORICO ARTISTICO” published by Touring Club Italiano. The  
15 tome was printed in 1979 by Istituto Italiano Arti Grafiche Bergamo, as reported in  
16 the colophon on page 6. The same criterion used for the book examined in this  
17 technical examination report was applied, therefore some photographs were taken  
18 with an electronic microscope, namely part of a text character and two parts of colour  
19 images.

20 A photograph of a detail of a text character on page 95 is shown below.



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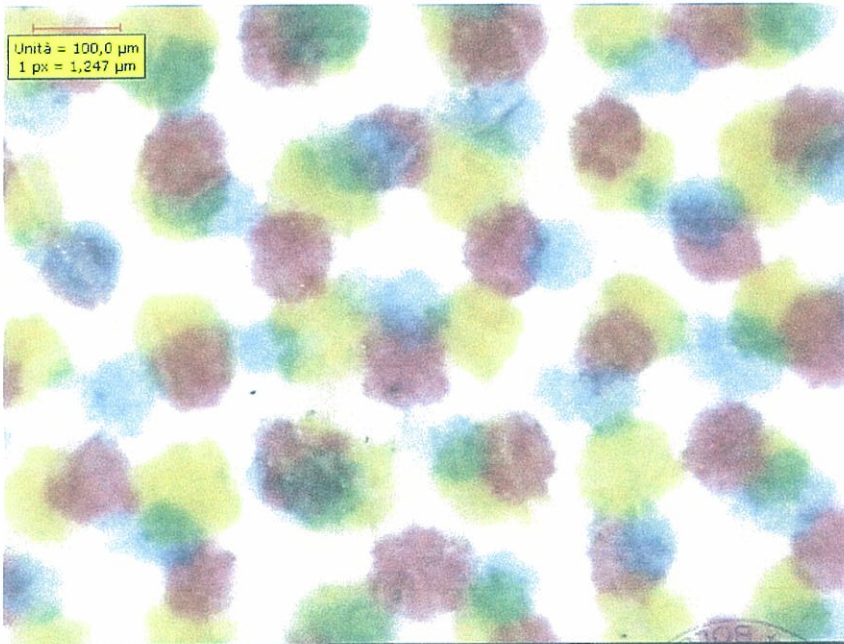
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1  
2 It is possible to note that the character is much more detailed than the one in the book  
3 under examination; this is due to the fact that the printing plates used in Europe in the  
4 late 1970s were presensitized plates, which make it possible to obtain higher quality  
5 details.  
6 The photographs reported below show printed colour images; also in this case, a light  
7 area and a dark area were taken into consideration.



8



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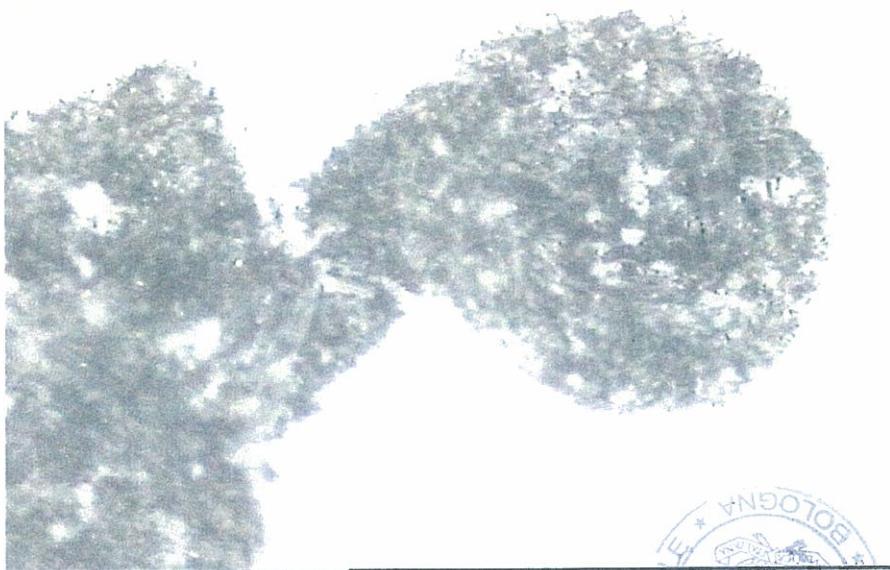
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It may be noted that the halftone of the light area is clear, with more precise dots in comparison with the dots of the halftone present in the jacket and in the colour picture contained in the book.

It was decided to take into consideration the book “La rosa e il tasso” (Italian version of "The Rose and the Yew Tree") by Mary Westmacott (a pseudonym of Agatha Christie), published by BUR Biblioteca Universale Rizzoli, printed in 1990 by RCS Rizzoli Libri spa, as reported in the colophon on page 4.

An enlargement, again made with an electronic microscope, of part of a character on page 139 is shown below.

Unità = 100,0 µm  
1 px = 1,247 µm



11

Technical examination report for Nicole Ciccolo: dating of the print of the jacket of the book “Yoga the alpha and the omega – Volume V” page X of 17

organisation technical consultancy \* technical consultancy \* company check-up \* optimisation of production cycles \* definition of tests, checks, inspections \* personnel professional retraining \* technical instructions for sellers \* calculation of production costs and management of industrial accounting \* verifications production cycles \* preparations for certifications ISO 9001, ISO 14001, OHSAS 18001 \* machine EC marking and for EC marking \* technical industrial lay-outs \* sworn expert's reports \* technical consultancy in court \* FOR COMPANIES IN THE GRAPHIC, POLYGRAPHIC, PAPER AND PAPER-TRANSFORMATION SECTOR 032.2012.000

Nicole Ciccolo



00022110  
 4578-0088  
 IDENTIFICATIVO : 01130428523159

Ministero dell'Economia  
 e delle Finanze

MARCHA DA BOLLO  
 €16,00

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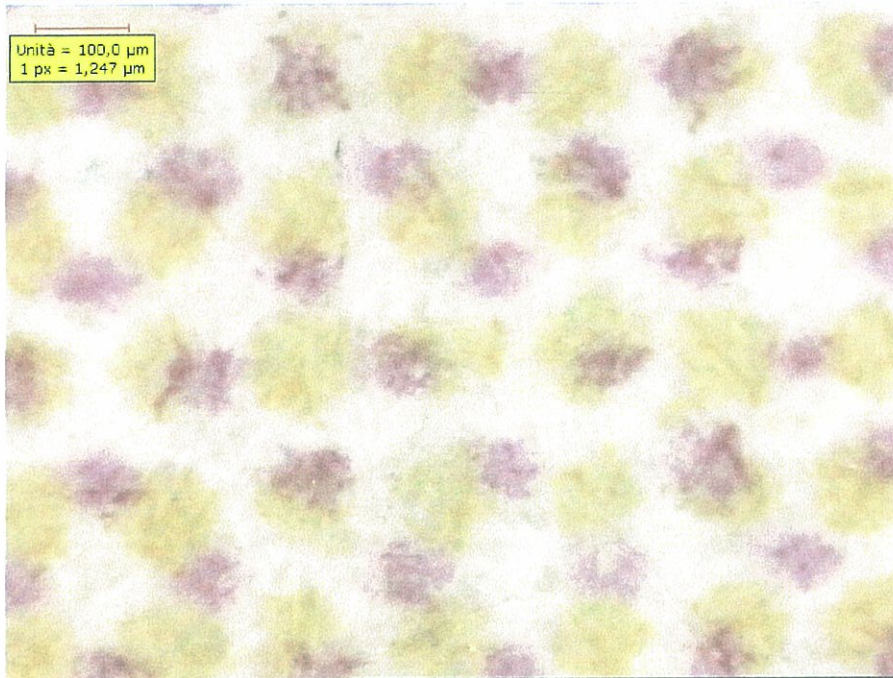
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- 1 The character is clean, due to the evolution of presensitized plates and prepress
- 2 exposure systems.
- 3 Two photographs, again at 320X, are reported below; they show the halftone image
- 4 present on the cover of the above-mentioned book. Also in this case, both light and
- 5 dark areas were examined.



6



7

- 8 Although the cover is made of macroporous and rough cardboard, it is possible to
- 9 note that halftones are precise, both in light and dark areas.



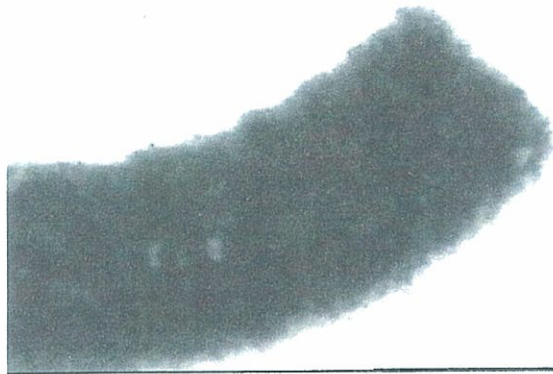
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- 1 Finally, in order to conclude this overview, I took into consideration the magazine
- 2 “PRINTPOWER”, Spring 2014 issue, a magazine published by Assocarta Servizi srl,
- 3 printed by PCP in 2014, as reported in the colophon on page 03.
- 4 A microscope photograph (again 320X) of part of a text character on page 07 is
- 5 shown below.



- 6
- 7 The character is well detailed, due to the printing plate obtained by means of the CtP
- 8 (Computer to Plate) technique, with LASER incision technology. The slight blurs
- 9 visible are due to the compression of the printing press and the pigments
- 10 of the print ink.
- 11 The light and dark areas of the image on page 48 of the above-mentioned magazine
- 12 were examined; microscope photographs (320X) are show below.

A large, stylized handwritten signature in black ink, located in the lower right quadrant of the page.

A handwritten signature in black ink, located at the bottom center of the page. To its right is a circular blue stamp with the text "INGEGNERIA" and "PERIZIA" around the perimeter.

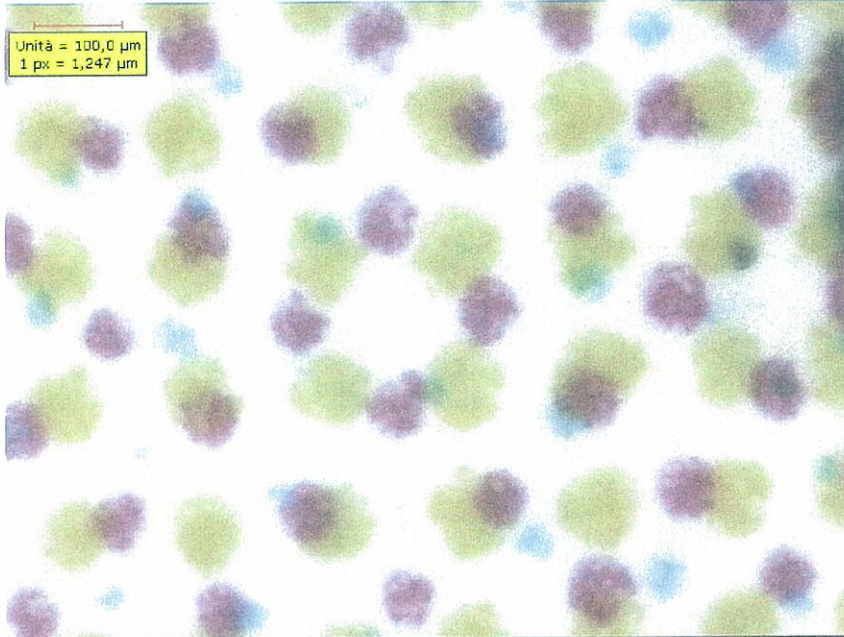


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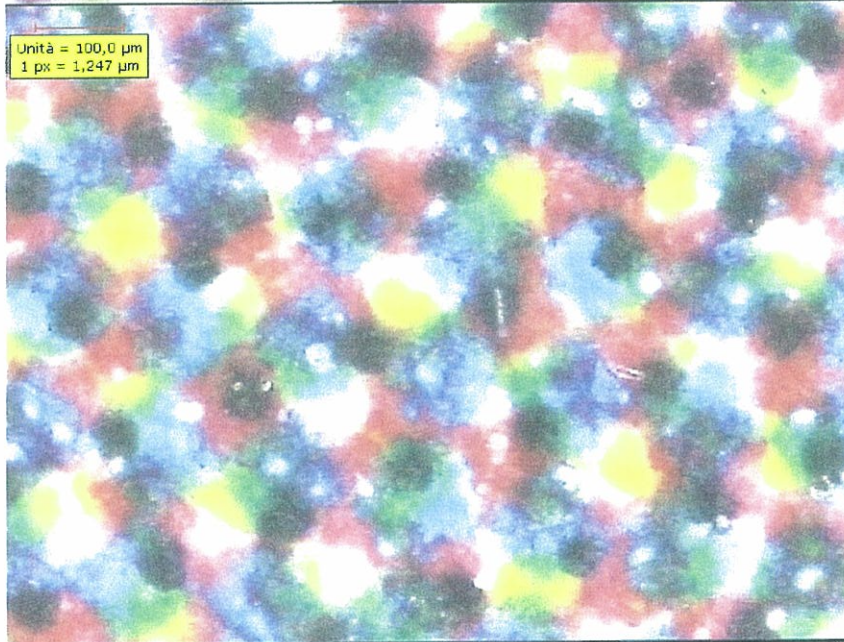
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1



2

3 Dots in the halftones are clear and precise, as you can see more clearly in the  
4 photograph above (light part of the image); in the first picture it is also possible to see  
5 how precisely halftone dots are arranged; the same arrangement is obviously also  
6 present in the dark area, but it is more difficult to distinguish it.

7 **Observations on the prepress and printing technologies**

8 In order to obtain a printed matter, it is necessary to use technologies for making  
9 printing plates and printing technologies. Between 1970 and 2014, both the prepress  
10 and the printing techniques have been totally revolutionised, though remaining within  
11 the framework of planographic printing.



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1 By taking into consideration the production years of the printed matters examined  
2 (1976 India, 1979 Italy, 1990 Italy, 2014 Italy), it is possible to notice that a radical  
3 change of both prepress and printing technologies has taken place.

4 ***For the prepress:***

5 in 1976 in India chemical incision of bimetallic or trimetallic plates was used to  
6 obtain offset lithographic printing plates. The incision was performed after laying the  
7 material under an electric arc lamp which produced UV light.

8 Production of this type of plates and their marketing worldwide stopped in the late  
9 1970s, due to the appearance of presensitized printing plates, which were quicker to  
10 obtain, less expensive, less polluting, more precise and, therefore, resulted in higher  
11 quality of printed matters;

12 in 1979 in Italy presensitized plates were used, which were launched onto the market  
13 in the late 1960s and which were quickly expanding, due to their above-mentioned  
14 characteristics. Exposure was still with an Electric Arc, but instead of chemical  
15 incision, a development similar to the photographic one was used, and the fixing was  
16 also similar to the photographic one. In India, presensitized plates appeared in the  
17 mid-1970s and became widespread in the mid-1980s, since the other type of plates  
18 stopped being produced in the late 1970s, as already mentioned above;

19 by 1990 in Italy a shift to presensitized plates with assembly film obtained by CRT  
20 (Cathodic Ray Tube) had taken place, and the laying would take place with UV  
21 exposure, replaced by electric arc lamps starting from the mid-1980s;

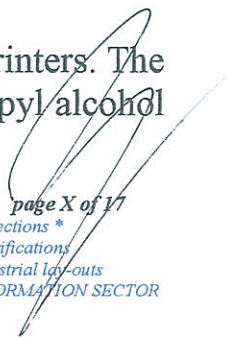
22 in 2014 in Italy the LASER technology has been in use since the 1990s, for direct  
23 incision of printing plates; this technology combines a high speed and high quality,  
24 with resolutions which were not even thinkable with the previous technologies.

25 ***For the printing:***

26 in 1976 in India the offset lithographic technology was mostly used with one-colour  
27 or two-colour printing presses; in addition to this, it was a basic technology in which  
28 for the dampening unit, fundamental for the physico-chemical process to be obtained  
29 in the printing press in order to print on a support, only water was used. This resulted  
30 in reduced production speed, longer preparation and washing times of the printing  
31 press, low reproduction quality;

32 in 1979 in Italy printing presses with 2 or more colours were used, and dampening  
33 units with only water had been replaced by dampening units with a liquid containing  
34 a small amount of isopropyl alcohol (not more than 12%). This technology made it  
35 possible to obtain brighter and cleaner printed matters and to speed up the drying of  
36 the ink, in comparison with the basic dampening units;

37 in 1990 in Italy multicolour printing presses were commonly used by all printers. The  
38 dampening system had been perfected, thus reducing the amount of isopropyl alcohol  
39 needed, which was never more than 8%;







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1 in 2014 in Italy all printing presses use a dampening system with a solution based on  
2 isopropyl alcohol with added chemical solutions which make it possible to maintain  
3 the quality constant for the whole print run, with high speeds and very quick times for  
4 making modifications (printing plates, sizes, etc.).

5 A fundamental observation: with bimetallic and trimetallic plates it was not possible  
6 to resort to alcohol dampening, therefore the introduction of printing presses with  
7 alcohol dampening has entailed the disappearance of the chemical incision  
8 technology, replaced by presensitized printing plates.

9 Conclusions

10 On the basis of what has been reported above, the undersigned states the following:

- 11 1.- the body of the book and the jacket were printed in the same time period;
- 12 2.- the date of production of the book and the jacket can be identified as 1976.

13 On the basis of what is explained in this technical examination report, the  
14 undersigned states that

15 the jacket of the book “Yoga the alpha and the omega – volume V” was  
16 produced in 1976, as reported in the colophon of the book

17 This technical examination report was drafted by me, Francesco Bordoni, in my  
18 offices in Milan and Romano d'Ezzelino (VI) and completed on 28/10/2014.

19 **Francesco Bordoni**



REPUBBLICA ITALIANA



TRIBUNALE DI BOLOGNA

CRON. 6618

L'anno 2014 il giorno 6 il mese di novembre

nella sede del Tribunale avanti al sottoscritto Cancelliere è comparso/a:

Nicola Nobili, nato a Bologna

il 13 aprile 1978

identificato/a con C.I. AR 8098123

rilasciata dal Comune di Bologna

il 17/11/2003, valida - fino al 16/11/2019.

Il/la quale, consapevole delle sanzioni penali cui può incorrere in caso di dichiarazioni non veritiere, di formazione o uso di atti falsi, richiamate dall'art. 76 del D.P.R. 445 del 28.12.00, richiede di asseverare con giuramento la sopraesposta relazione/traduzione e pronunciando la formula di rito dichiara di avere fedelmente proceduto alle operazioni che gli sono state affidate.

L.C.S.

Nicola Nobili

IL FUNZIONARIO

Funzionario Giudiziario  
Roberto Fanini

