



Analyses of Laser Bonded Metal/Polymer Interfaces

By Nusrat Lubna

LAP Lambert Acad. Publ. Apr 2011, 2011. Taschenbuch. Book Condition: Neu. 220x150x7 mm. This item is printed on demand - Print on Demand Neuware - For miniaturized biomedical devices, laser joining of dissimilar materials offer excellent potential to make precise joints. This book is focusing on the interface of metal/polymer. An important system for consideration is sputtered Ti coated glass joined with polymeric films (Polyimide and Teflon Fluorinated Ethylene-Propylene). Comparison of Sputtered method to that of CA-PVD are made and found that sputtered deposition technique provides better film quality and bond strength over CA-PVD. The role of both surface characteristics and chemical bonding are investigated for laser joints using advanced techniques such as Optical Microscopy, AFM, XPS, SEM, EDS, AES and PALS. For the case of Ti coated glass/Teflon® FEP, no detectable degradation of polymer is observed in terms of free volume of voids. 120 pp. Englisch.

DOWNLOAD



READ ONLINE
[2.33 MB]

Reviews

Excellent eBook and helpful one. This can be for all who state there was not a worthy of studying. You will not feel monotony at any moment of your respective time (that's what catalogs are for regarding when you request me).

-- **Princess McCullough**

This type of book is almost everything and helped me hunting forward and more. I was able to comprehend almost everything using this published e pdf. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Edwardo Ziemann**

Related eBooks



Ninja Adventure Book: Ninja Book for Kids with Comic Illustration: Fart Book: Ninja Skateboard Farts (Perfect Ninja Books for Boys - Chapter Books for Kids Age 8 - 10 with Comic Pictures Audiobook with Book)

Createspace, United States, 2013. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.BONUS - Includes FREE Dog Farts Audio Book for Kids Inside! For a very time limited period you can download...



Slave Girl - Return to Hell, Ordinary British Girls are Being Sold into Sex Slavery; I Escaped, But Now I'm Going Back to Help Free Them. This is My True Story.

John Blake Publishing Ltd, 2013. Paperback. Book Condition: New. Brand new book. DAILY dispatch from our warehouse in Sussex, all international orders sent Airmail. We're happy to offer significant POSTAGE DISCOUNTS for MULTIPLE ITEM orders.



What is in My Net? (Pink B) NF

Pearson Education Limited. Book Condition: New. This title is part of Pearson's Bug Club - the first whole-school reading programme that joins books and an online reading world to teach today's children to read. In this book, Zac and Daisy are fishing....



My Brother is Autistic

Barron's Educational Series Inc., U.S. Paperback. Book Condition: new. BRAND NEW, My Brother is Autistic, Jennifer Moore-Mallinos, Medical experts are just beginning to understand varying degrees of autism and its impact on both the autistic child and his family. This book describes an...



Readers Clubhouse Set a Nick is Sick

Barron's Educational Series, United States, 2006. Paperback. Book Condition: New. Carol Koeller (illustrator). 221 x 147 mm. Language: English . Brand New Book. This is volume three, Reading Level 1, in a comprehensive program (Reading Levels 1 and 2) for beginning...



Sport is Fun (Red B) NF

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, Sport is Fun (Red B) NF, Dianne Irving, This title is part of Pearson's Bug Club - the first whole-school reading programme that joins books and an online reading world to teach today's...