



Real World Research in Industrial and Systems Engineering



Designing Jewelry for Hong Kong

During the past few years, the Department has initiated research projects to modernize the design of jewelry for the industry using the latest technology. Projects include the use of fractal geometry to model innovative aesthetic designs and the use of ingenious rapid prototyping techniques to optimize the manufacturing process.



Making the world smaller - Miniaturization of the Next Generation of Electronic Products

Discmans, MP3 players and mobile phones



can be made lighter, thinner and smaller with the next generation of Printed Circuit Boards (PCB's) - the backbone of all electronics products. The PCB Centre of the Department is conducting research using advanced laser technology, novel imaging techniques, and innovative metallization methodology. These efforts are made possible by funding of over HK\$23 million from the HKSAR Government and from industry.



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