

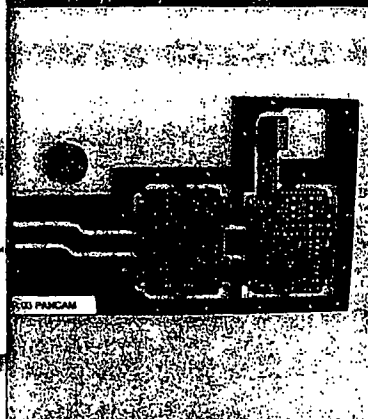
Information flies around the world at an ever faster pace and volume, requiring ever-more sophisticated technologies to carry the load. Miles of computer network cabling lie vulnerable to fire and smoke damage that can cripple communications. The printing industry strives to lessen its dependence on chemical solvents. DuPont Electronic & Communication Technologies provides the answers. DuPont-enabled circuitry makes communications mobile, driving cell phones and laptops. Computer cabling jacketed with DuPont™ Teflon® resin prevents wiring from fueling office fires. DuPont™ Cyrel® FAST revolutionizes printing with a solventless methodology. The demands placed on technology and communication increase daily. DuPont Electronic & Communication Technologies answers those demands worldwide.



Spotlight on Science:

Wai Mun Lee Cleans the Chips We All Depend On

Integrated circuits — IC chips — are the tiny brains essential to the performance of everything from personal computers, cameras and refrigerators, to the airbag in your automobile and the countless other electronic appliances and digital equipment consumers use in daily life. To ensure performance and reliability, IC fabricators must completely remove the microscopic residues generated during the manufacturing process. Research Executive Wai Mun Lee revolutionized the cleaning of ICs with the development of EKC PlasmaSolv® cleaning technology enabling IC fabricators to reliably clean their most advanced current and future designs. This technology is widely adopted as the standard cleaning process by IC manufacturers to clean their chips and keep a myriad of electronic devices operating smoothly and dependably.



ChemFirst Acquisition Accelerates Creation of IC Materials

When DuPont acquired ChemFirst, Inc. and its two semiconductor fabrication businesses in late 2002, the company's reach into this critical electronics sector immediately increased. The company's businesses that serve this market were fully integrated in 2003 and now offer an expanded portfolio of highly engineered and differentiated materials including Zylon® electronic gases, for advanced integrated circuit manufacturing. Propelled by the desires of businesses and consumers to have smaller, faster and less expensive computers, cell phones and other electronics, DuPont will meet the need for ever-more complex integrated circuits.

LCC Cabling Guards Communications Equipment... and Lives

Communications cabling is the nerve center of the modern office. But if fire breaks out, conventional cabling can become deadly, emitting a thick, black oily smoke and serving as a major fuel source. To make LAN communications systems and data centers safer, DuPont developed limited combustible cable (LCC) jacketed with DuPont™ Teflon® fluoropolymer. LCC with Teflon® has considerably less potential for ignition, flame spread and smoke generation. Fire tests at the British Research Establishment/Fire Research Station in Bedford, England, showed that LCC produced virtually no smoke and would not self-sustain a flame.