

ColorWheel™

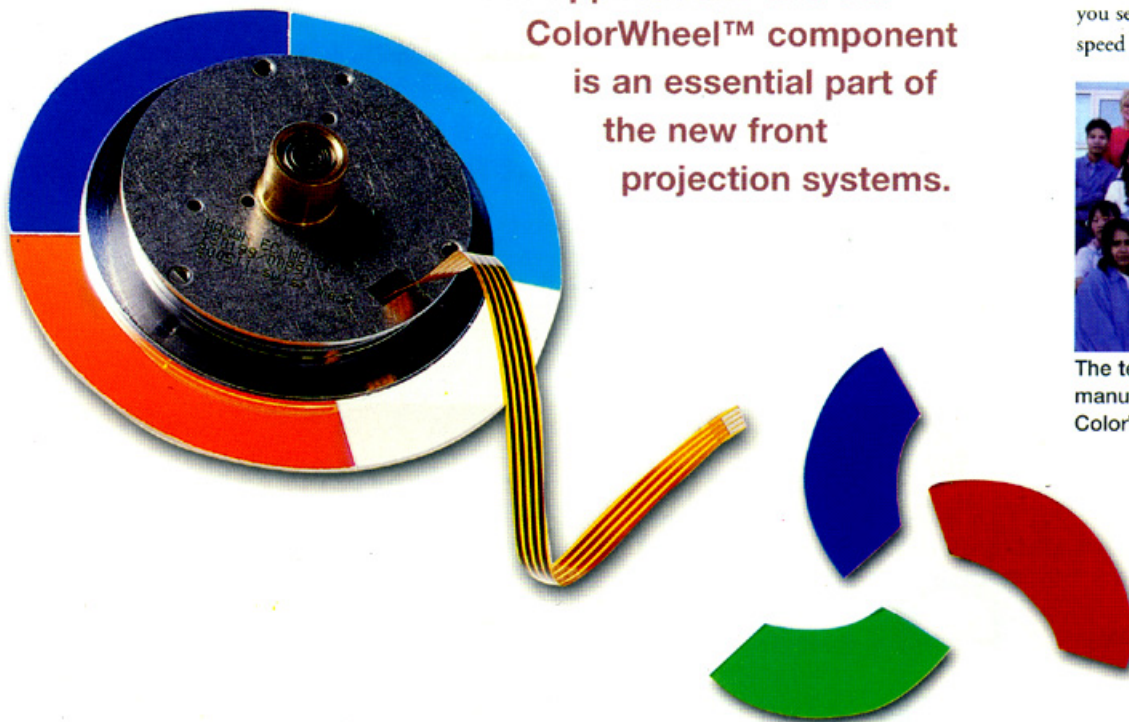
- a Key Element in Digital Projection



By Dirk von Frajer, Marketing Communications Manager, Unaxis Optics Liechtenstein

The words 'information technology' (IT) usually evoke images of super-fast microchips and fiber optic cables. But IT also includes the technology that makes the information visible – the electrical-optical technology used in computer projector systems from desktop, board room, to full digital cinema applications. Unaxis Optics specializes in

these applications and our ColorWheel™ component is an essential part of the new front projection systems.



Unaxis Optics is a global leader in optical coatings and electrical/optical assembly. We specialize in high volume, thin film optical coating for various applications, including the computer projection industry, and photosensitive welding filters. Our ColorWheel™ component is a key element of the newest ultra lightweight portable projectors used primarily in conjunction with Texas Instruments Digital Light Processing (DLP) technology.

The ColorWheel™ determines the colors you see on the screen and allows a single high speed Digital Micro-mirror Device



The team at our Colorado facility that manufactures and assembles the ColorWheel™

(or DMD™) to be used in a projector – instead of three devices normally used in three-chip LCD projectors. This allows projectors to be built without the need for alignment, which means today's projectors are much smaller in size – and price.