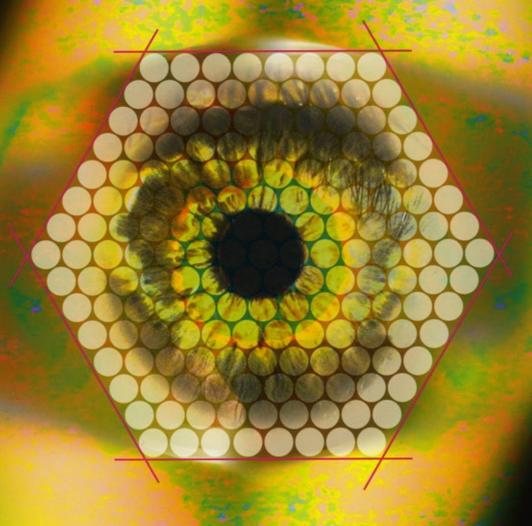
SEE MORE CLEARLY



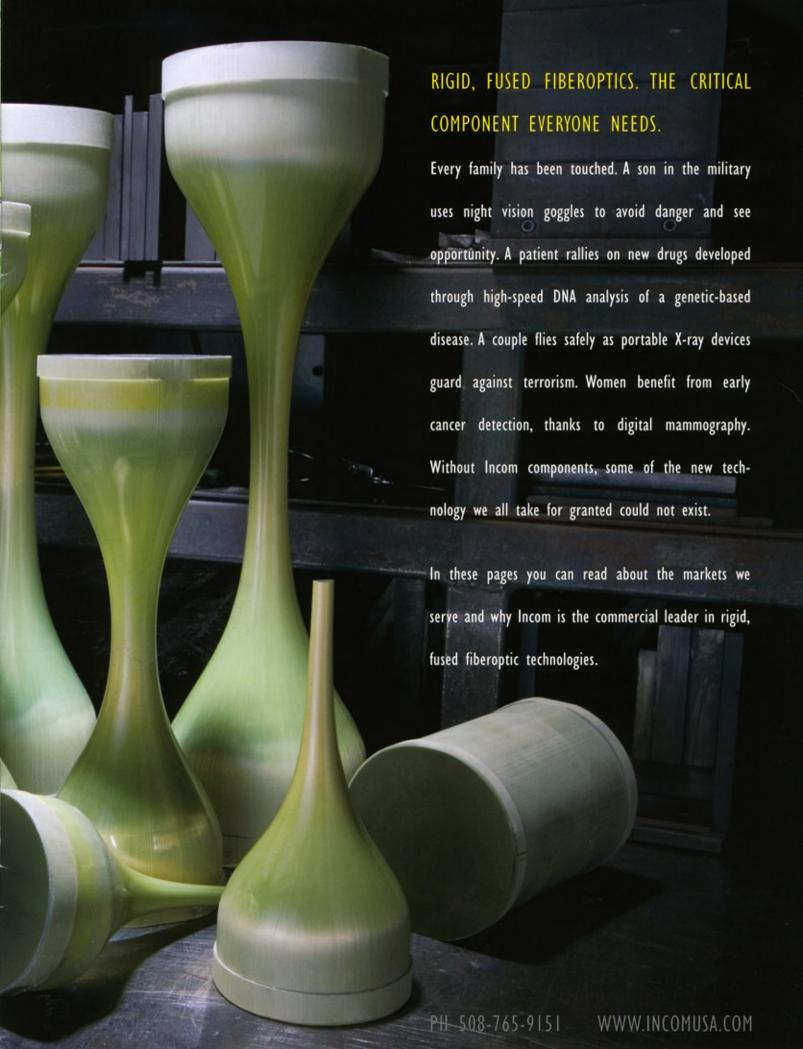


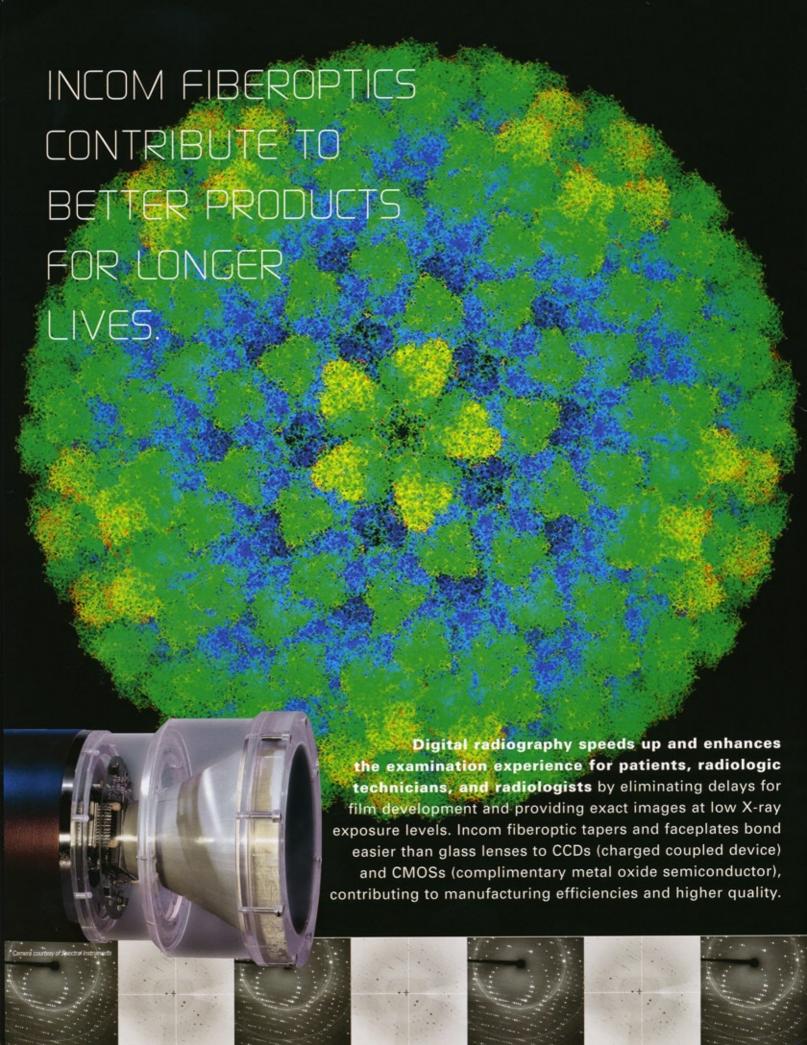
Bright Ideas in Fiberoptics™

SEE MORE CLEARING

MAKING CRITICAL
CONTRIBUTIONS TO
GENETIC, MEDICAL,
DENTAL, DRUG RESEARCH,
MILITARY AND
HOMELAND
SECURITY
APPLICATIONS.

Medical and scientific miracles start here. From solid billets of fiberoptic glass (shown at left and right) come hourglass-shaped tapers, which are split in half to create Incom tapers for global digital imaging applications. Using proprietary technology, Incom makes 200mm tapers – the world's largest – with more than 62 million individual glass fibers. These tapers can shrink an image from 200mm to 25mm with the ultra precision required for scientific cameras, image intensifiers and other sophisticated research tools.





PHARMACEUTICAL RESEARCHERS USE X-RAY IMAGES,

generated in particle accelerators and captured by digital detectors containing Incom tapers, to identify changes in protein structures that will guide development of new life-saving drugs. Speed is everything for this critical activity — speed that saves expensive synchrotron time and speed that quickens research projects, getting new drugs to market faster in a highly competitive environment. DIGITAL X-RAY CRYSTALLOGRAPHY IN ITS PRESENT FORM WOULD NOT EXIST WITHOUT INCOM.





PH 508-765-9151

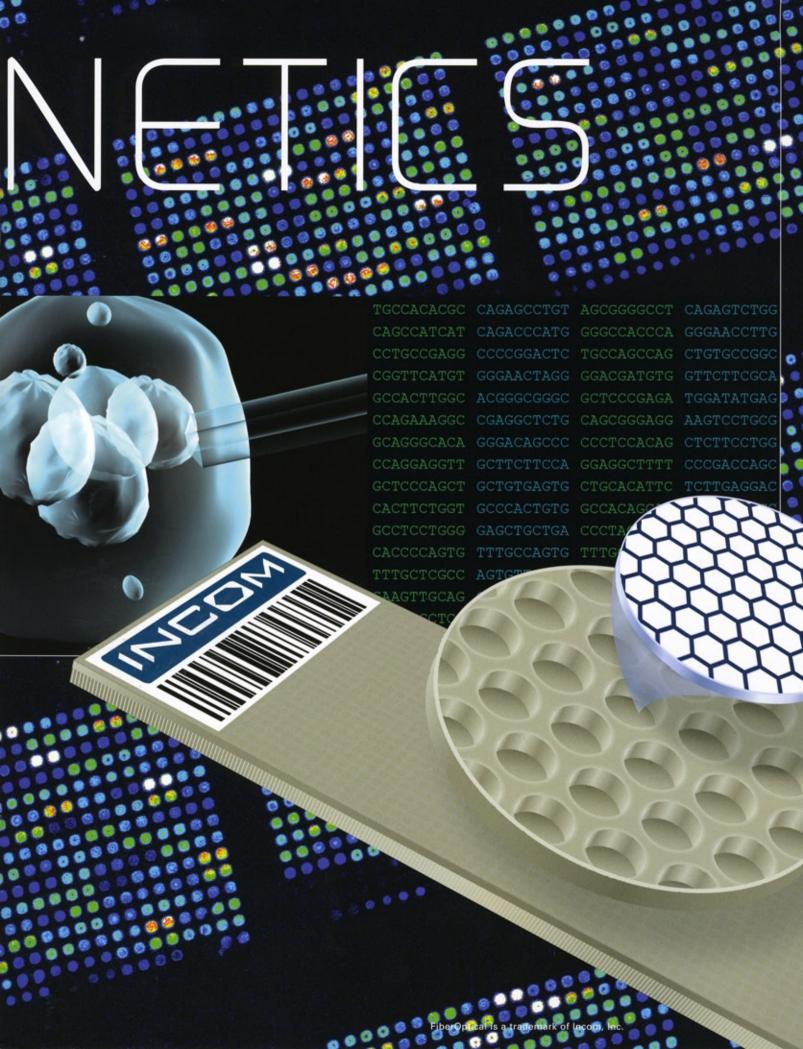
WWW.INCOMUSA.COM

Life sciences applications of Incom fiberoptics include critical genetics activities such as genome sequencing, flow cytometry, protein and viral analysis, drug research and biological testing. Incom has created a variety of specialized microfluidic products for these uses, including FiberOptical™ microarrays, microcapillary arrays and bottom plates. These represent a new class of Incom technology, transforming conventional fiberoptic faceplates into three-dimensional microstructures with dense patterns of miniature tubes, wells or passages. The high sample density allows thousands of simultaneous reactions in the space of an ordinary laboratory slide, saving money and time in studying complex test variables. The impact of this is enormous. INSTEAD OF TAKING MANY YEARS TO MAP THE HUMAN GENOME, INCOM FIBEROPTIC TECHNOLOGIES CONCEIVABLY COULD HAVE SHORTENED THE TIME TO MONTHS.

INCOM HAS TRANSFORMED THE FACEPLATE INTO A 3-D "LABORATORY ON A SLIDE"



Incom's microarray plates for genetic sequencing have exponentially expanded the number of analytical sites in a 15 x 3" slide to greate than 400,000.



MEDICAL

SAVING LIVES WITH SHARPER

THE DIGITAL REVOLUTION IN X-RAY IMAGING RELIES HEAVILY ON FIBEROPTIC COMPONENTS. Incom faceplates and tapers provide both an optical link and a radiation barrier between X-ray sources and sensitive semiconductor detectors. Images are transmitted in fine detail, yet potentially damaging X-rays are blocked. With their high-resolution images, digital scans allow prompt identification of potentially dangerous abnormalities. • By providing the largest fiberoptic faceplates

6 1887
MEDIO LATERAL

Digital X-ray imaging devices with Incom technologies are more accurate and limit patient exposure to radiation.

available, Incom opens doors to larger and larger X-ray sensors for

a "big picture" look that can speed patient diagnosis and treatment. Incom tapers are also used with image intensifiers in portable fluoroscopic devices that utilize very low X-ray doses, allowing real-time continuous imaging during medical procedures.

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Incom has provided more fiberoptic light guides for dental curing guns than any other source.

INCOM'S LIGHT GUIDES FOR CURING TIPS. Dental equipment OEMs, dentists and patients all benefit from precise, consistent light transmission, custom tip profiles for specific applications and simple product sterilization. Let Incom help you with specialized configurations for new types of curing and whitening lights.

LEADING PROVIDER

OF FIBEROPTIC TIPS FOR

EPOXY CURING LIGHTS

FOR OVER 20 YEARS.

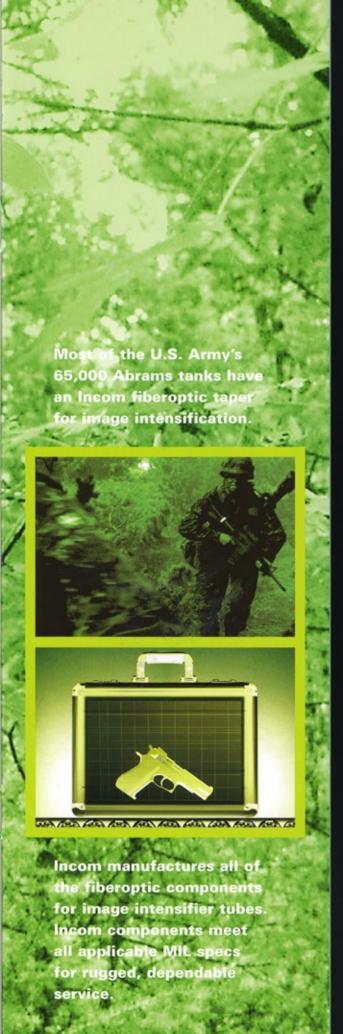
The most advanced X-ray systems have Incom faceplates for unprecedented image resolution and ease of use.

FACEPLATES FOR DIGITAL X-RAY IMAGING. Incom has been a major contributor to the digital revolution in dental imaging. Using large Incom faceplates, panoramic X-ray cameras scan the jaws and teeth, while small faceplates serve compact X-ray sensors that fit right in the mouth for intraoral scans. In both cases, the Incom component provides a critical barrier to damaging X-ray radiation.

WITH INCOM FIBEROPTICS, THE NIGHT DISAPPEARS BEFORE THEIR EYES.

IN MODERN WARFARE, "THE U.S. OWNS THE NIGHT."

The world's best night vision technology provides a huge tactical advantage after dark. . Incom has supported 20 years of U.S. superiority in night warfare, contributing inverters and faceplates that help turn starlight into daylight in night vision goggles, helmet-mounted displays and cameras. They advance the military mission and protect our soldiers, tanks and aircraft in hostile environments. • Using Incom components, night vision systems are simple, lightweight and compact - much easier to carry and manipulate than unwieldy lens-based optical systems.



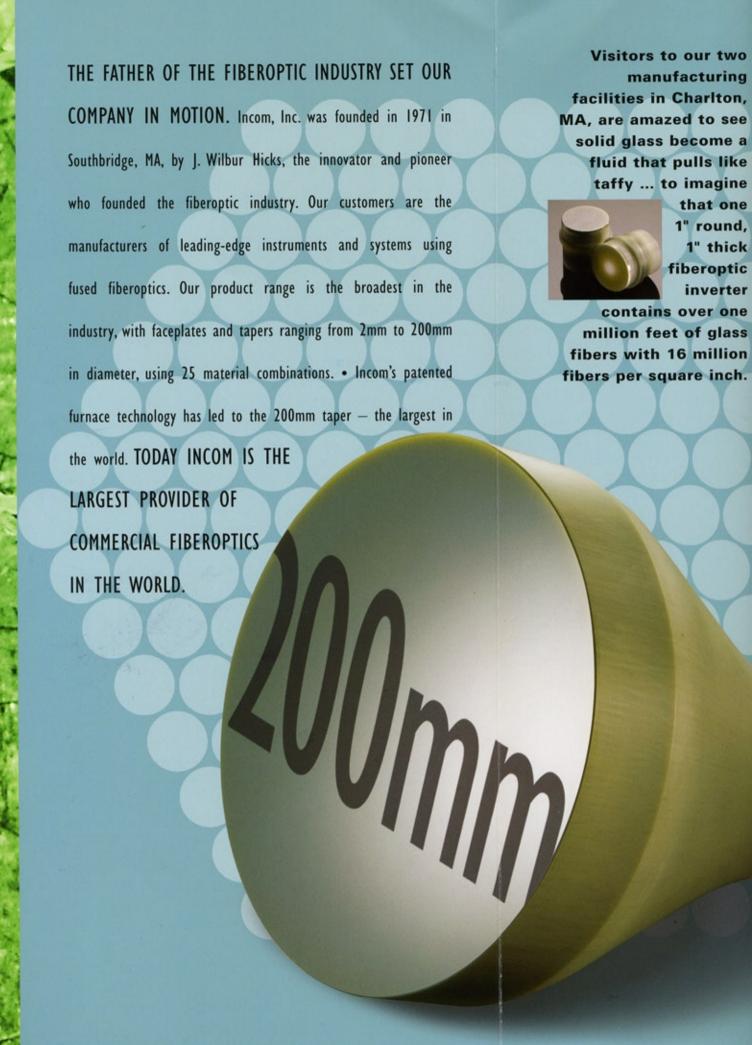
INCOM OFFERS COMPREHENSIVE RESOURCES FOR CO-DEVELOPMENT, CUSTOMIZING AND PROTOTYPING.

We are committed to providing scientists, development engineers, product development teams, optical mechanical engineers and purchasing teams with strong partnership skills to help you meet market demands. Come and see our fully automated equipment paired with highly trained assemblers and extensive quality-control systems. Ask about our partnering services such as product consignments and just-in-time delivery. We invite you to visit our facilities, see our advanced processes, talk with development engineers and find innovative solutions to your component requirements.

HELPING YOU MEET OPPORTUNITY

If you have an optical illumination or imaging problem, call Incom. We're ready to contribute to your success through our strong combination of entrepreneurial drive, financial strength, corporate resources and willingness to provide any services you need for co-development, customizing, prototyping and comprehensive manufacturing services.

LOOK TO YOUR FUTURE — WITH INCOM





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