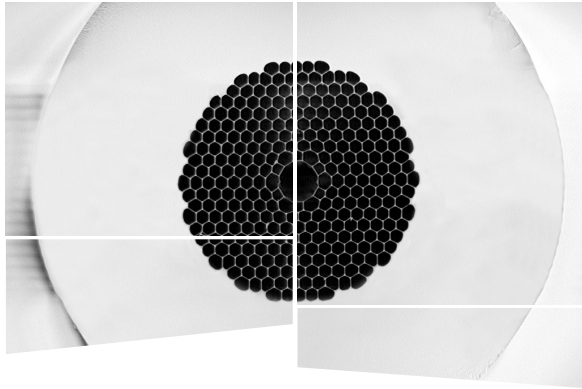


# PHOTONIC CRYSTAL FIBERS

## HOLLOW-CORE FIBERS

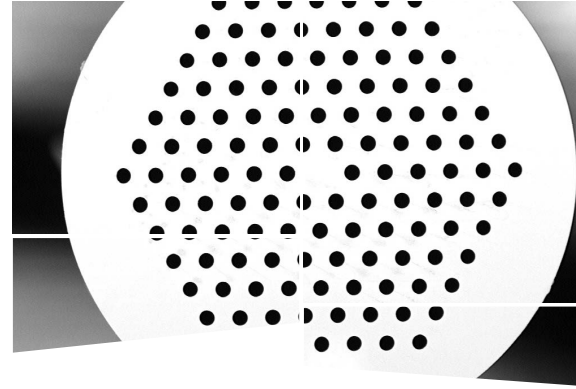


Hollow-core photonic bandgap fibers use a micro-structured cladding region with air holes to guide light in a hollow core. The photonic bandgap guiding mechanism is fundamentally different from the traditional total internal reflection guiding principle.

This new technology provides the basis for high power delivery without nonlinear effects or material damage.

Fiber example: HC-440; HC-532; HC-580; HC-800; HC-1060; HC-1550; HC-19-1550; HC-2000

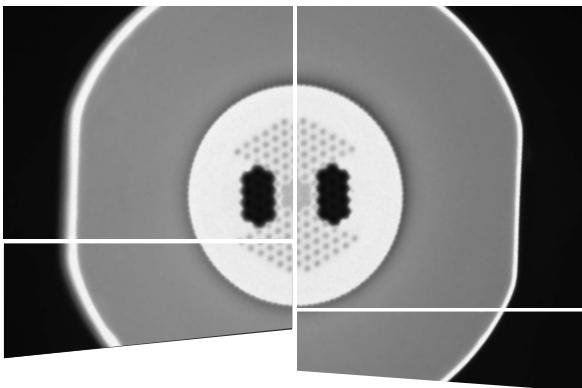
## LARGE MODE AREA FIBERS



The selection of Large Mode Area Crystal fibers covers a range of fibers for diffraction limited high power delivery, and provide single mode operation in a large wavelength range - endlessly single mode operation. The very large mode area enables high power levels without nonlinear effects or material damage.

Fiber example: LMA-5; LMA-10; LMA-10-UV; LMA-15; LMA-25; LMA-PM-5; LMA-PM-10; LMA-PM-15

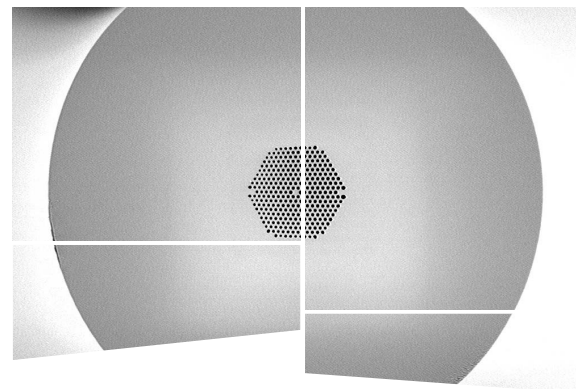
## YTTERBIUM DOPED DOUBLE CLAD FIBERS



The ytterbium doped double clad fibers offer the largest single-mode cores enabling amplification to unprecedented power levels while preserving very good mode quality and stability.

Fiber example: DC-135-14-PM-Yb; DC-200/40-PZ-Yb

## NONLINEAR FIBER



Optimized for supercontinuum generation and nonlinear wavelength conversion, nonlinear photonic crystal fibers offer a unique combination of tailored dispersion profile and very high nonlinear coefficient.

Fiber example: NL-PM-750; SC-5.0-1040 (PM)