

# PLC Wafers and Chips

Since its founding in 2002, Ensure has helped customers around the world meet the insatiable growth demands placed on fiber optic networks by providing scalable, reliable, and customizable solutions.

With a substantial commitment to R&D, Ensure invests heavily in specialized equipment and develops and perfects complex processes in-house. We take great pride in our ability to manufacture our own PLC wafers and chips, produced from high-quality quartz using semiconductor techniques. We craft our PLC splitter wafers using a proprietary EAB process that allows us to mass-produce best-in-class components with a longer lifespan.

Ensure is delighted to work with customers to tailor-make chips to the most exacting requirements. In addition to specifying the size of small chips, customers can also request modifications like light/split percentage ratio (5:95 to 50:50) and output channel number ( $1 \times 2n$ ,  $1 \times 3n$ ,  $1 \times 2n+1$ ,  $n=0-5$ ). Our chips and  $1 \times n$  chips are also customizable.

## ABOUT ENSURE

Part of the HH Group, Ensure designs and produces premium components (PLC splitters, ceramic ferrules, passive optical components, and WDM products) to help meet the exploding growth of fiber optic networks. All essential components are made on-site using production processes we control from start to finish. We can also provide white-label design and packaging for customers who require it.