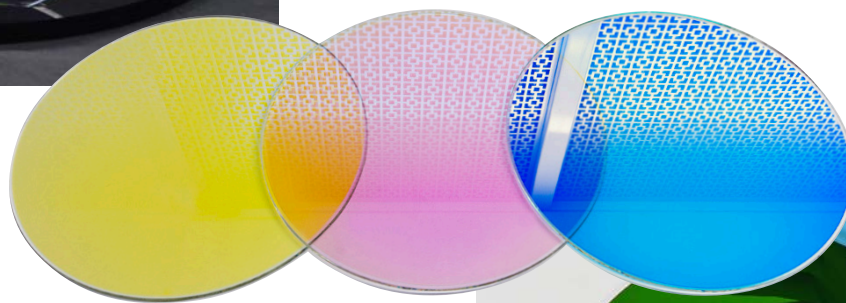
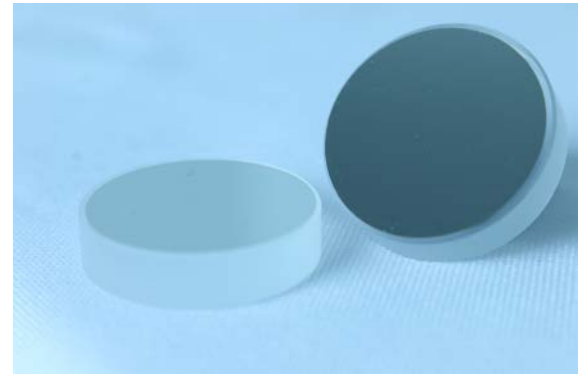


INTLVAC COATINGS

THIN FILM DEPOSITION

OPTICAL and INFRARED THIN FILM COATINGS



Intlvac has a long-standing commitment to quality and excellence in the optical coating industry. Our goal is to deliver value-added solutions for your thin coating requirements by providing coating design services, rapid prototyping, and production for a wide range of thin film coatings.

Our in-house development lab designs, engineers and manufactures the systems we use for thin film coatings. In addition, we provide customized coatings to suit your application better than standard catalog coatings.



PRECIOUS METAL COATINGS

GOLD AND PLATINUM



Intlvac's proprietary low temperature deposition technique allows for thin film gold coatings on polymers and other temperature sensitive substrates. This unique method is ideal for applications such as flexible, lightweight electronics or microfluidic technology often seen in automation and handheld diagnostic devices.

Intlvac can produce precious metal coatings such as Au, Ag, Pt, Pd using a variety of methods to match your requirements. Through our R&D, we have refined ways to coat gold onto irregular geometries.



DIAMOND-LIKE CARBON



DLC on a wide variety of substrates including:

IR Optics: Silicon, Germanium, Chalcogenides
Plastics: Ultem, Polycarbonate, Polyimide, PEEK
Glass: Crown Glass, UVFS, SF11, Sapphire
Metals: Aluminum, Copper, High-Carbon Steel

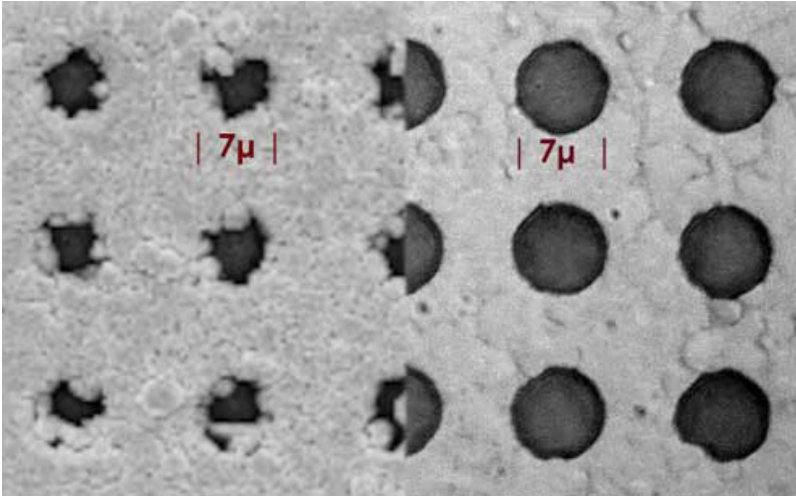
DLC coating acts as a single-layer anti-reflection coating for high index substrates and it provides wear & chemical resistance for optical elements used in harsh environments.



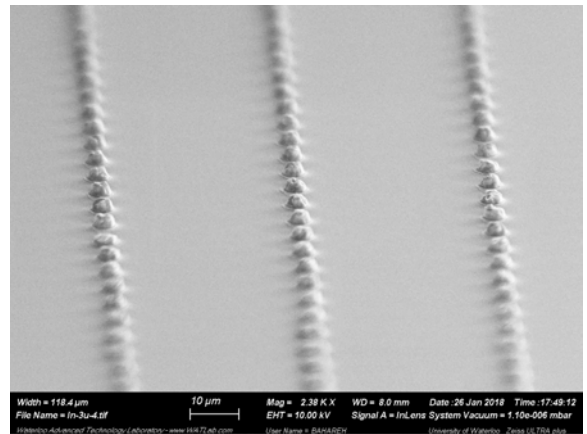
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SPECIALTY COATINGS

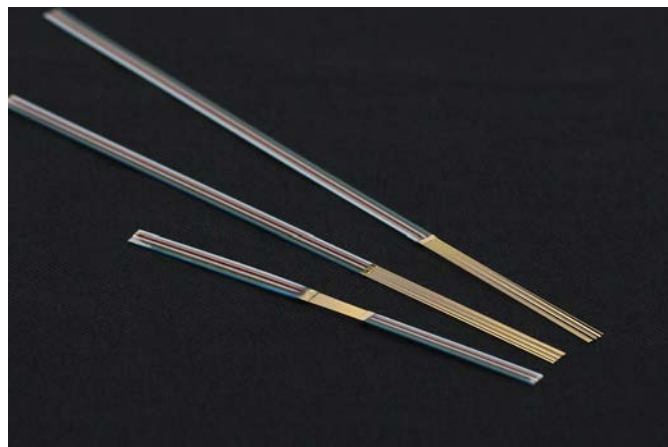
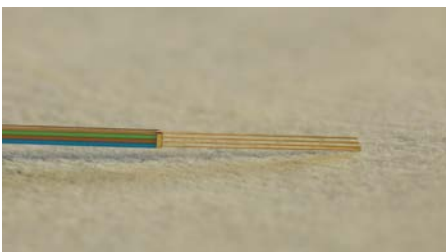
INDIUM SOLDER BUMP BONDING



Our system geometry ensures a very flat and uniform deposition front for superior 'lift-off' capability. Our tool provides the environment and deposition control to achieve the thickness, fill and material properties for a variety of successful solder bump designs.



FIBER METALIZATION



Intlvac can metalize your optical fibers with Titanium/Platinum/Gold by producing a single or multi-layer symmetrical metal coating on ends, mid spans or windows for use in hermetically sealed opto-electronic packages. Our experts can also create radially symmetrical material stacks on a cylindrical rod or tube components.



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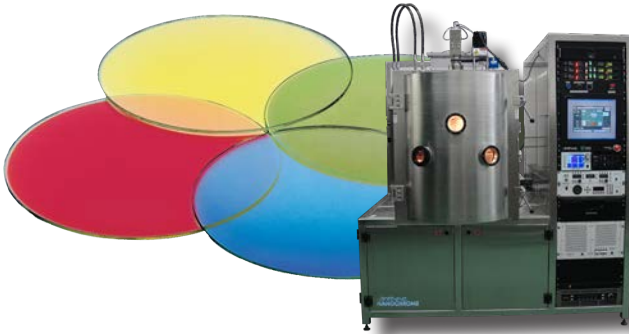
THIN FILM COATING SYSTEMS



ATLAS Nanochrome V



PARMS Nanochrome IV



Nanochrome II



AEGIS Diamond-Like Carbon



MIDAS Fiber Metalization



ICARUS Indium Deposition

PROVIDING TECHNOLOGY SOLUTIONS



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