



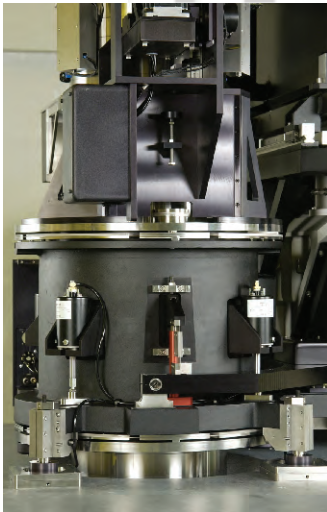
## Collaborating with Corning Tropel®

Today's advanced displays demand precision imaging and the utmost in positional accuracy. To address these requirements, Azores is working closely with Corning Tropel Corporation, a recognized leader in the precision lens market. By integrating Corning Tropel's precision lens assemblies into Azores' high-precision photolithography equipment, our advanced stepper machines can address diverse photolithography applications such as mobile FPD and X-ray sensing.

Azores integrates multiple subsystems in our photolithographic printers, including Corning Tropel's lens assembly, a real-time auto-focus system, an automated substrate alignment system, a precision X-Y stage, a suite of metrology sensors, and an automated reticle handling and storage system. The Azores Model 9200 PanelPrinter™ System features a Corning Tropel 200 mm field lens providing a resolution of 1.5  $\mu\text{m}$  and a depth of focus of more than 9  $\mu\text{m}$ .

Corning Tropel is a leading expert in high-fidelity projection lens and illumination systems, featuring corrected optics.

The lenses also provide a  $\pm 30$  ppm real-time magnification adjustment with Azores' camera and real-time auto-focus system.



Corning Tropel  
Lens Assembly

Azores 9200  
Stepper System



### About Azores

Azores designs and manufactures precision step-and-repeat photolithography printers. With broad-based photolithography experience and diversified capabilities, Azores is the leading technical expert for flat panel display applications, in addition to a number of emerging applications such as X-ray sensors and semiconductor wafer bumping. Committed to providing the most precise, versatile equipment on the market, Azores' applications include active matrix liquid crystal displays, low temperature poly-silicon thin film transistor liquid crystal displays, organic light emitting diodes and field emission displays, and semiconductor wafer bumping.

The Azores 42,226 square-foot corporate headquarters in Wilmington, Massachusetts provides manufacturing and new product development, as well as customer support and training. Local sales support and customer training is also provided throughout Asia, Europe,

and The Americas, with additional technical support available through eDiagnostics.

Founded by former MRS employees in 1999, Azores is led by Elvino da Silveira, President and CEO, and Steve Gardner, Vice President. With more than 35 years of experience, Azores delivers high-quality products and service programs that keep customer operations running smoothly and efficiently.

### About Corning Tropel

Corning Tropel is a world leader in precision optical subsystems and advanced form metrology instrumentation for the semiconductor, data storage, flat panel display, and aerospace and defense industries. Corning Tropel Corporation is a wholly-owned subsidiary of Corning Incorporated and has worked with Azores since 1999 to develop and supply a sophisticated lens assembly subsystem for use in Azores' photolithography stepper machines.



Azores corporate headquarters feature an on-site customer training facility.



Azores 6700 Stepper System

# AZORES

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PanelPrinter is a trademark of Azores Corp.  
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