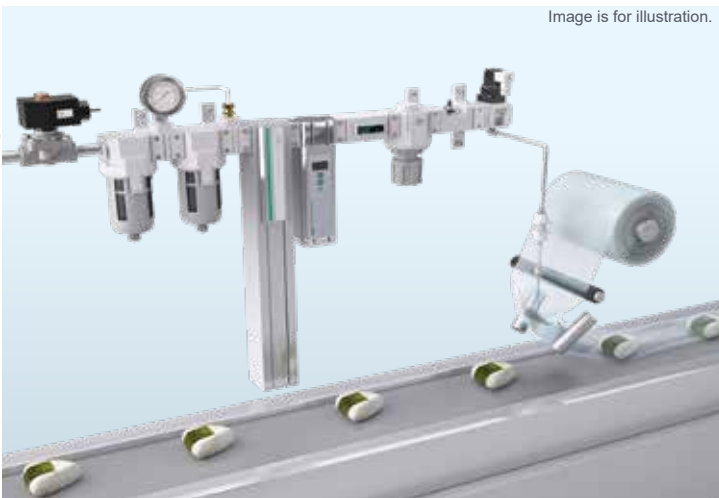


Application Examples

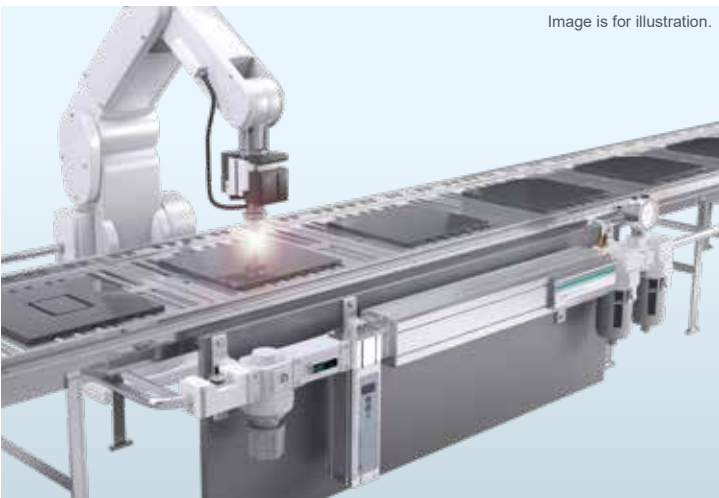
Packaging Gas-filled Packaging

During pillow packaging, the container is filled with nitrogen gas to prevent oxidative degradation, color fading, and preserve aroma, while also preventing the packaging from losing its shape.



Manufacturing Laser Welding

During laser welding, nitrogen gas is used for shielding to prevent a decrease in welding strength due to oxidation of the molten area.



Food & Chemicals Dissolved Oxygen Removal

By passing nitrogen gas through a liquid, the dissolved oxygen gas in the liquid is removed.



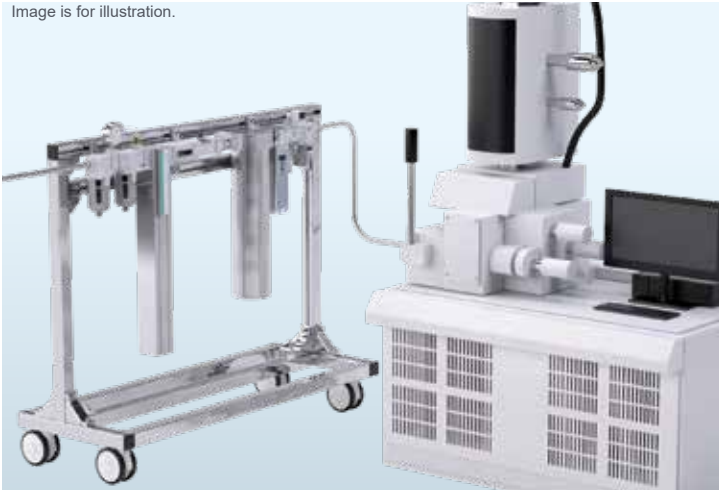
Processing & Assembly Explosion-proof Atmosphere

Fills the container with nitrogen gas, purges the air, and creates internal positive pressure, preventing intrusion of explosive or corrosive gases.



Inspection Electron Microscope

Nitrogen is used as a gas for venting, actuators, and dampers.



Substrates Improved Solder Wettability

Nitrogen gas blocks oxygen and prevents oxidation of the soldering iron tip and solder surface, thereby improving the wettability of lead-free solder.

