

5 Elimination of yellowing problems

Resource
consumption cut

Productivity UP

For clear resin molds and optical molds

Added Value UP

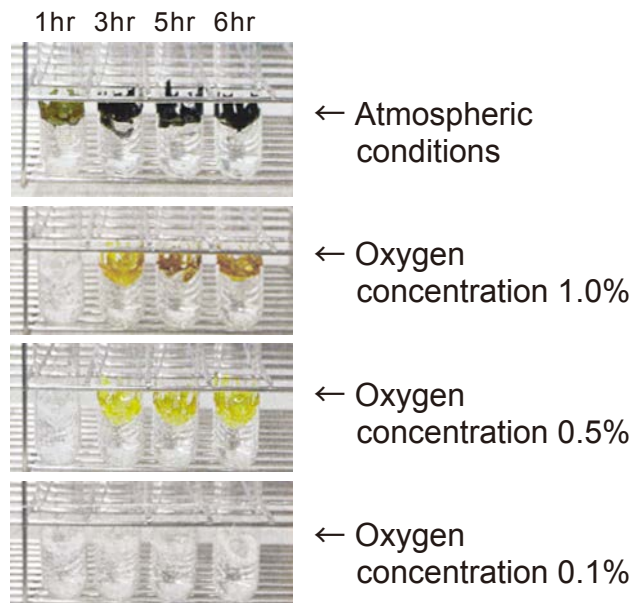
Having trouble with yellowing of the molded items?
Prevent oxidization and yellowing by removing oxygen dissolved in the resin through N₂ drying and N₂ purge!

Compact Thermal Conduction Dryer + N₂ generator

Overview

Heating under an N₂ gas atmosphere removes moisture that generates gas during molding, as well as replaces oxygen dissolved in the resin. This is effective for preventing oxidation and yellowing, and reducing black spot contaminants caused by the material.

- Oxidation yellowing test (test material: COP)



Compact Thermal
Conduction Dryer
[PMD1.5]

N₂ generator
[MTN3-10-1]

Features

- Injects N₂ gas to prevent oxidation and yellowing, and reduce black spot contaminants.
- Low air flow drying with heat transfer makes it easier to prevent contaminant ingress.
- Dryer with processing capacity of 0.2 to 1 kg/h, designed for molding machines 20 t or less.
- Environmentally friendly design, with minimal exhaust gases while drying and lower exhaust heat.
- Comes with folding hopper and removable fins to easy cleaning.

