

8 Resolve problems caused by gas

Resource consumption cut

Productivity UP

Added Value UP

For Gas Removal During

Do you have any gas-related problems? Remove resin gases and/or substitute them with while drying and stabilize your molding process.

Thermal Conduction Vacuum Dryer

Overview

By spending heat under a vacuum, the trouble of gas adhesion to the mold can be reduced. It helps to prevent oxidation and yellow discoloration as well as to decrease black spot from foreign material.

• Oxidation xanthosis test (Test materials: Cycloolefin polymer)

1hr 3hr 5hr 6hr

← In the atmosphere

← Oxygen density 1.0 %

← Oxygen density 0.5 %

← Oxygen density 0.1 %

Features

- Gas adhesion to mold is controlled with gas removal by vacuum.
- This preventsoxidation, yellow discoloration, and black spot occurrence by N2 gas injecting.
- Prevents from bridging and blocking of material by air shock functions.
- Vacuum drying allows for small air flow rate to prevent contaminant mixing.

Resolve problems caused by gas

Productivity UP

MEMO





https://matsui.net

· Osaka Head Office Addr:OBP PLAZA BLDG.17th F. 1-4-70, Shiromi, Chuo-ku, Osaka 540-0001, Japan. TEL:06-6942-9555 / FAX:06-6942-9559

· Tokyo Head Office

Addr:Shinosaki Kangyo BLDG .9F, 1-6-4, Oosaki, Shinagawa-ku, Tokyo 141-0032, Japan. TEL:03-5436-3521 / FAX:03-3495-5331

BRANCHES

Matsui America, Inc. TEL: +1 847-290-9680 Matsui (Asia) Co.,Ltd. TEL: +66 02-324-0216 Matsui Mfg (Singapore) Pte. Ltd. TEL: +65 6744-9602 PT. Matsui Solutions Indonesia. TEL: +62 21-8379-3253 Korea Matsui Inc. TEL: +82 032-811-9400 TEL: +886 2-8919-1556 Taiwan Matsui Co., Ltd. Shanghai Matsui Machinery Co., Ltd. TEL: +86 21-5442-3111 Matsui Technologies India Ltd. TEL: +91 120-2397114



- Information in this catalog is current as of Augast 2021.
- The actual color of products may differ slightly from the printing in this
- · Product specifications and designs are subject to changes for improvements without prior notice.
- · The scope of warranty provided for Matsui MFG., Co., Ltd. machinery or devices is limited to repair or replacement of parts. Any defects of Matsui's machinery or products manufactured by using such machinery, as well as defects in product manufacturing are excluded from the warranty.



Halving Resourse Use

Doubling Wealth,

Matsui, your Plastic molding partner for resorce reduction, propose to achieve 'factor 4' in molding factors.

We aim to increase productivity by 4times by achieving the following, 'Save Water', 'Save Rasin s' and 'save Energy'.

If you are looking for a best solution...

factor4 solutions



	1 版 - 190705-0-1F