

BONDING USING AN EXCIMER LAMP

Damageless room-temperature bonding

FEATURES

- No damage to materials
Not destroy fine structures
No loss of optical properties by keeping smoothness of surface
No influence to irradiated sample
- Effective for downsizing equipment
- Lower equipment costs
- Easier material processing

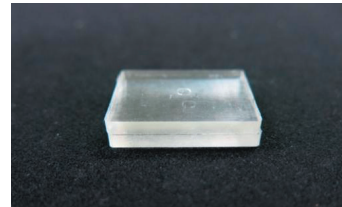
APPLICATIONS

- Bio-chips
Protein and DNA analysis
Drug discovery support
Cell experiments
Chemical monitoring

BONDING RESULTS

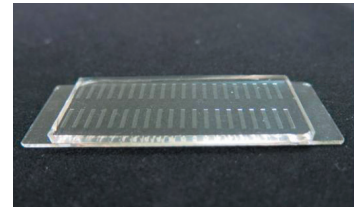
- No need for heating / pressurizing
PDMS to PDMS / PDMS to Glass /
PDMS to Silicon
- Need for heating / pressurizing
COP to COP / PET to PET /
PC to PC / PMMA to PMMA

•PDMS to PDMS



- Conditions
- Irradiation time: 3 s
 - Irradiation distance: 2 mm
 - Irradiation atmosphere: Air

•PDMS to Glass



- Conditions
- Irradiation time: 30 s
 - Irradiation distance: 2 mm
 - Irradiation atmosphere: Air

PRODUCT INTRODUCTION

- Excimer lamp light source

FLAT EXCIMER EX-mini



The EX-mini is a compact excimer lamp light source designed for R&D work. It is small and lightweight enough to carry anywhere for making simple yet accurate experiments, evaluations, and tests.

- Excimer lamp light source

FLAT EXCIMER EX-400



The EX-400 has long and flat rectangular lamp bulb capable of irradiating large area uniformly. It is ideal for excimer treatment in production process (line).

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