

HEAT PRESS



MODEL: CARVER MiniC 12tons

INSTALLATION PLACE: Machining-bonding Laboratory, Department of Microelectronics

DESCRIPTION: Presses samples delivering up to 11 ton force at a temperature up to 340°C.

SPECIFICATIONS

1. Sample dimensions: up to 10cm x10cm
2. Temperature range: 0 - 350°C
3. Temperature accuracy: $\pm 5^{\circ}\text{C}$
4. Force range: 0 – 24000 pounds (11tons)
5. Force accuracy: ± 10 pounds for low pressure gauge and ± 100 for high pressure gauge
6. Pressure range: 0-7000psi (for area 21.253 cm²)

APPLICATIONS

1. Hot embossing of PMMA, PDMS
2. MICRO and NANO imprint using silicon or metallic molds
3. Thermally assisted bonding of polymer sheets
4. Capping of polymeric microfluidic channels

CERTIFICATION/ACCREDITATION

The facility is not certified or accredited.

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CONTACT PERSON

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