



SEIKOH GIKEN Co., Ltd.
Precision Machinery
Products Global Business
Promotion Division

We will exhibit 1st Highly-functional Plastic Expo (Plastic Japan)

SEIKOH GIKEN is pleased to announce to exhibit 1st Highly-Functional Plastic Expo (Plastic Japan) which will be held from April 11 to April 13, 2012 at Tokyo Big Sight, Japan.

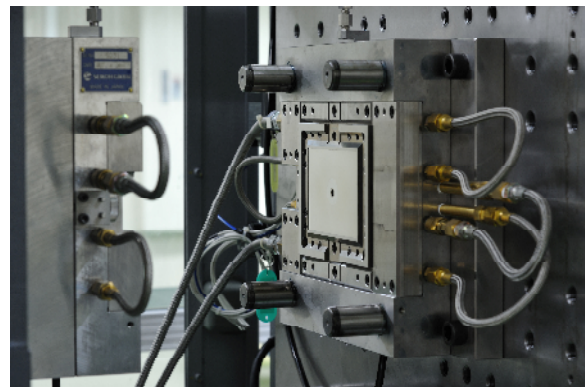
Based on highly precision mold design capacity and manufacturing know-how, SEIKOH GIKEN is the leading company of optical disc molds (eg. CD, DVD and Blu Ray disc) market in the world. We plan to introduce “low temperature molding”, “nano level molding”, “thin and flat molding” and “single crystal SiC polish”. We would like to expand our business field with these new technologies.

■ Low temperature molding

It is possible to molding with lower temperature than usual by using low thermal conductivity material on cavity or core parts in the molds.

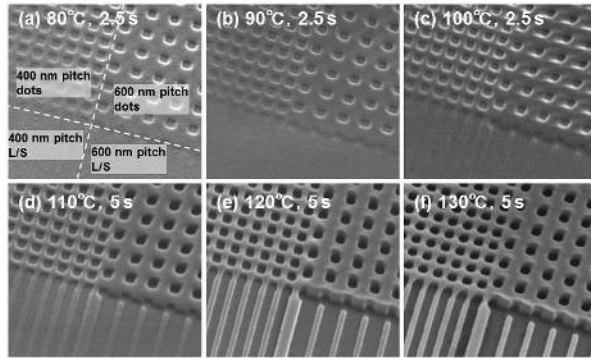
>> Advantage

- Shorter cycle time
- Yield rate will be improved by good appearance
- Reduce burr removal process at line
- Reduce mold maintenance cost by less gas exhaust



■ Nano level molding (fine transcription technology)

By using injection compression molding, it will be possible to transcript nano level concavity and convexity (high aspect ratio). This technology will be used on medical, biologic and optics market in the near future generation.



■ Thin and flat molding technology

By using both injection compression technology and heat insulation technology, it is possible to mold ϕ 120mm x 0.3mm thickness. By optimized mold structure and molding parameter, thin and flat molding becomes available which was not possible in past.

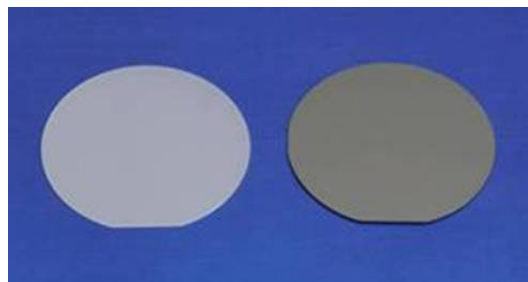
■ Single crystal SiC polish technology

Combined with our metal polish technology and crystal polish technology of AIST (Advanced Institute Science and Technology, Japan), it is established single crystal SiC polish technology.

GaN and Sapphire polish are also available.

>> Advantage

- Low stress during polish process
- Fine surface, less than 0.1nm (Ra)
- Shorter polish process, mass production is available



SEIKOH GIKEN is pleased to cooperate with all business partners in the world as multidiscipline engineering maker who can solve and support mass production of complicated molding, improve yield ratio, shorter cycle time and so on.

Please contact us at any inquiry as follows.

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