

Micropuller O-01

(Induction heating type
Micro-Pulling Down furnace)

- High speed growth
- Wide temperature range & temperature gradient
- Suitable for quick screening

Micropuller
O-01

Product Information



Fig.1: Photograph of Micropuller O-01

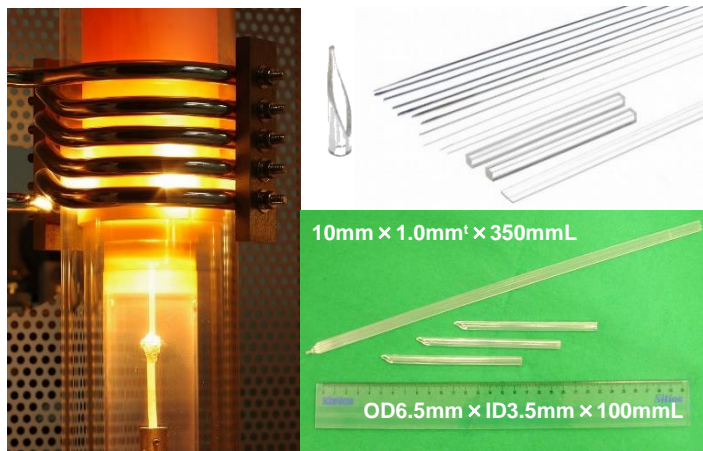


Fig.2: Photographs of hotzone area in the furnace (left) and grown sapphire crystals (right).

Outline

Micropuller O-01 is a micro-pulling down furnace with the induction heating.

Micropuller O-01 has quartz tube or metal chamber. Liquid/solid interface can be easily observed by CCD camera.

Temperature range can be widely varied. The single crystal growth of high melting temperature material is also possible. It can reach up to 2500°C.

Temperature gradient can be widely varied. It is possible to realize from 50 °C /cm to 300 °C /cm.

Specification

RF Power Source	20 kW
Maximum temperature	~2500°C (Depend on the crucible)
Pulling speed	0.01~200 mm/min
Atmosphere	Ar, N ₂ , O ₂ , air, H ₂
Heat control operation	Touch Panel / PC

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