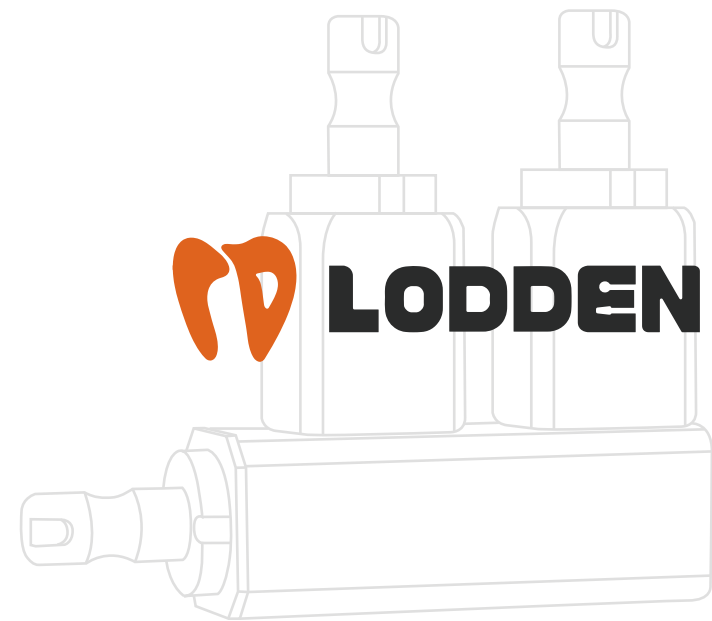




PRODUCT MANUAL

LODDEN-Lithium Disilicate CAD



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Shenzhen LODDEN Medical Technology Co., Ltd.

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LODDEN

Lithium Disilicate CAD



Scanning

Designing

Milling

Shape Adjustment

Crystallization and Glaze

Crystallization curve

One-stage crystallization procedure	Starting temperature	Drying time	Heating rate	Holding temperature
	400°C	180s	40°C/min	840°C
	Residence time	Furnace temperature	Vacuum start	Vacuum end
	7min	700°C	550°C	840°C

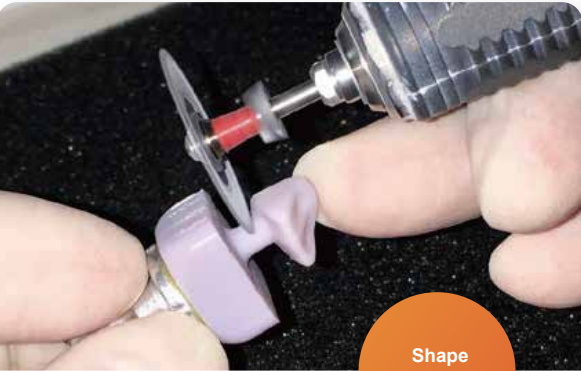
Two-stage crystallization process (Recommended for use)	Starting temperature	Drying time	Heating rate	Holding temperature	Residence time	Heating rate
	400°C	6min	60°C/min	820°C	10s	30°C/min
	Holding temperature	Residence time	Furnace temperature	Vacuum start	Vacuum end	
	840°C	7min	700°C	550/820°C	820/840°C	

- After detachment, the restoration should be polished before sintering.
- Use the appropriate polishing tools, and ensure that the restoration is polished under low speed and with a light force.
- Polish the restoration in one direction only, and at low speed. Avoid localised heating by not polishing for too long in one area. This may cause fissures or cracks.
- The minimum thickness of restoration must be within the prescribed scope of the material mentioned earlier in these instructions.



The glazing paste should be brushed evenly, the glaze must not be too thick, especially the occlusal surface. Avoid thin areas, ensure the surface of the restoration is bright enough after sintering.

Important application precautions



To cut down the restoration

Use the right trimming tool to separate the LODDEN CAD restorations from the material support pin. If an unsuitable tool is used, fracture and fissures may occur, especially near the margin.



Place the restoration on the model, or directly into the mouth. Carefully assess the fit and adjust if necessary, ensuring reasonable sealing capability and confirming that the occlusal and proximal contacts of the restoration are correct.

TIPS:

1

Crystallization sintering program can be chosen automatically according to the glazing furnace. Adjust the program according to the manufacturers' instructions.

2

Clean the restoration completely before double crystallization we recommend using an ultrasonic cleaner followed by drying with an oil free and dry air.

3

The restoration needs to be placed on pyrocotton or be supported with typical sintering material during crystallization.

4

Only low temp glazing paste is recommended, the temp should be less than 840°C.