

# Dental Lab Supplies

## Sintering Trays and ZDB For Hot Spot 110 Lab Furnace

**110V to 1700 °C in a  
Benchtop Design**

### Sintering Tray Features

- 100% Inorganic - No Binders
- Low Thermal Conductivity
- Excellent Thermal Shock Resistance
- Designed for Uses in Extremely Corrosive, High Temperature Environments
- Extreme High Temperature Stability
- No Outgassing
- Usable in Multiple Atmospheres

### ZDB Features

- Reusable
- Supports Dental Copings in Sintering Trays
- Continuous Use Temperature to 4000 °F
- Tetragonal Crystal Structure
- Offered in Various Diameters Upon Request
- True Density of 6.03 g/cc
- Packing Density of 3.5 g/cc
- Greater than 94.7%  $ZrO_2$ , and 5.2%  $Y_2O_3$

### The **Zircar** Fibrous Ceramics Advantage

Low Mass,  
Low Heat Storage &  
Low Thermoconductivity  
means  
High Thermal Shock Resistance,  
High Insulation Performance,  
Higher System Efficiency &  
Lower Energy Costs



**Sintering Trays... Low Mass & High Density Options... Support Media...**  
Essentials for the dental lab.

### Product Information

**Zircar** manufactures and supplies sintering trays which provide a convenient and protective method of sintering wares up to temperatures of 1700 °C. The dense alumina tray is 99.8% pure alumina, and provides nearly complete protection from undesired gas vapor condensation on your product. The low mass alumina trays, are made from our Buster M-35 material and offer a greater range of sizes with greater thermal shock resistance than the dense round tray.

**Zircar** Zirconia Dense Balls Type ZDB are fully sintered yttria-stabilized zirconia solid balls. These spherical balls are ideal for use as a fully compliant setting material for sintering milled copings. Our standard product, ZDB-1 is 2.0 mm +/- 0.3mm diameter.

ZDB are reusable sintering support media for large complex geometries, which need multi-point support and unrestricted shrinkage. Multiple contact points with the ware ensure full support while allowing expansion and/or shrinkage of the ware.

For more information,  
phone: (845) 651-3040  
email: [sales@zircarzirconia.com](mailto:sales@zircarzirconia.com)  
website: [www.zircarzirconia.com](http://www.zircarzirconia.com)

## Standard Product Sizes & Ordering

Dental Lab Supplies are available in the standard sizes shown below. Please contact our Sales Department for pricing and availability.

### To Place an Order

Call: 845-651-3040

email: sales@zircarzirconia.com

## Sintering Trays

Size	Item Number	
	Low Mass Buster M-35	Dense Alumina
3.25"x 3.25"x 1.625" Sintering Tray with Lid For Hot Spot 110	FAHD002	
3.4"x 4.5"x 1.625" Sintering Tray with Lid For Hot Spot 110L	FAHD004	
100 mm x 100 mm x 35 mm Sintering Tray with Lid		FAHD005
80 mm Diameter Round x 35 mm Sintering Tray with Lid		FAHD007

## ZDB

Size	Item Number
100 Grams	FAHC001
1 Kilogram	FAHC002
5 Kilograms	FAHC003
200 Grams	FAHC004

## Other Interesting Products

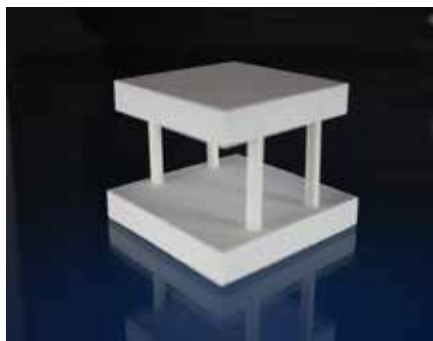
### Contact Us For A Quotation For Your Dental Lab Needs

Call: 845-651-3040

email: sales@zircarzirconia.com

**Zircar** manufactures and sells various dental lab items. Our products include:

- 110V Tabletop Furnaces Capable of 1700 °C
- Furnace Repair and Replacement Parts
- Furnace Accessories
- Custom Machined Insulation to Meet Your Specifications



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