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## Quotation Sheet

### 1. Product & Price



**Furnace Chamber**



**Temperature Controller**



**High purity hot bending MoSi2**

#### Furnace Model and Price

Model	Chamber dimension	Unit Price
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<b>XD-1800</b>	<b>300x300x300mm (WxHxD)</b>
<b>Delivery</b>	Gauteng
Notes:	
1). The price doesn't include the fees of installation and training at client's premises	

## 2. Technical parameter






Chamber size	200x200x200mm (Width x Height x Depth)
Max. temperature	1800 °C
Working temperature	1700 °C
Temperature control	<ul style="list-style-type: none"> <li>● PID automatic control via SCR (Silicon Controlled Rectifier) power control with phase angle fired, current limiting resistor.</li> <li>● 50 programmable segments for precise control of heating rate, cooling rate and dwell time.</li> <li>● Built in PID Auto-Tune function with overheating &amp; broken thermocouple broken protection.</li> <li>● Over temperature protection and alarm allows for operation without attendant.</li> </ul>
Heating rate	0-20 °C /min
Thermocouple	B type with 99.7% purity Alumina tube
Temperature accuracy	+/- 1 °C
Temperature Uniformity	± 5°C over 120 mm @ 1800°C ± 3°C over 80 mm @ 1700°C
Heating element	High purity hot bending U type MoSi2 Heating element
Furnace structure	Double layer steel casing with dual cooling fan, temperature of furnace shell below 60 °C
Furnace door	<ul style="list-style-type: none"> <li>● Front open to aside</li> <li>● Power cutting off when furnace door open</li> </ul>
Furnace Insulation	<b>Three layers of ceramic fiber insulation materials</b> <ul style="list-style-type: none"> <li>● First layer: 1900°C ceramic fiber board, density 700kg/m3.</li> <li>● Second layer: 1700°C ceramic fiber board, density 450kgs/m3.</li> <li>● Third layer: 1260°C ceramic fiber board, density 320kgs/m3.</li> </ul>
Working voltage	380V 50HZ 3phase
Max. Power	12kW
Certification	CE

### 3. Payment terms & Warranty




Payment term	To be advised
Delivery time	6 – 8 weeks
Warranty	One-year limited warranty with life time support. (Consumable parts such as heater and crucibles are not covered by the warranty, please order the replacement at related products)
Free technical support	Lifetime




Value-added services	<ul style="list-style-type: none"> <li>● <b>Sample test:</b> We have a sample lab, provide <b>free sample test service (special material is charged)</b>, can help clients judge whether the furnace meet their needs or not, then can choose more suitable furnace.</li> <li>● <b>Technical Service:</b> We offer <b>free technical consultant</b> regarding furnace, heater, heating-treatment process and other technical service etc.</li> </ul>
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### 4. Standard Package

Furnace body	1 set		MoSi2 elements	1 pc	
High temperature gloves	1 pair		Crucible clip	1 pc	
Operation manual	1 book				

### 5. Optional Spares

U type MoSi2 heating elements	
B type thermocouple	
Furnace Furniture	

Gas Vent	
Observation Hole	
Touch Screen	
<b>6. Operation</b>	

- Cooling rate shall also not exceed 10 °C /min.
- Toxic or explosive gases are not recommended for use with this furnace without necessary safety controls and supervision.
- Small cracks may appear on the surface of the refractory ceramics over extended use. This is a normal occurrence and the cracks may be repaired with alumina coating.