



KX240MCZ

Semiconductor Crystal Growing Furnace



- Capable of Growing Ingot Diameters
8" (200 mm), 10" (250 mm), 12" (300 mm)
- 4000 Gauss Superconducting Magnet
- Advanced Control System
- Low Power Consumption
- Integrated Communications
with optional WINGS systems
- Complete Customization Available



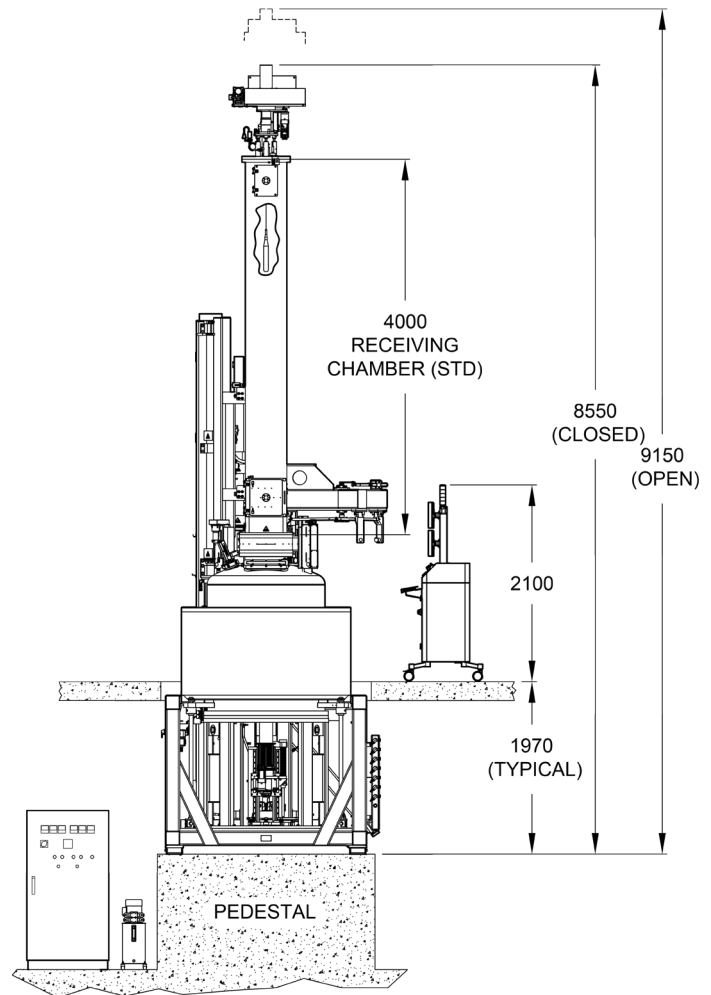
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The KX240MCZ is the world's only modular furnace, designed to easily accommodate different-sized hotzones to track with your changing needs and ensure you get a long life from your investment. The KX240MCZ is magnet-ready.

| PERFORMANCE | |
|--------------------------------|---|
| Furnace Chamber Diameter | 1100 mm (43.3 in) – Standard 1200 mm (47.2 in) – Optional |
| Receiving Chamber Height | 4000 mm (157.5 in) – Standard 3500 mm (137.8 in) – Optional 3000 mm (118.1 in) – Optional |
| Throat Diameter | 350 mm (13.8 in) – Standard 400 mm (15.7 in) – Optional |
| Seed Lift Rate | 0-508 mm/hr |
| Seed Jog Speed (Nominal) | 400 mm/min |
| Seed Rotation (Reversible) | 0-30 rpm |
| Total Crucible Travel | 550 mm (21.7 in) |
| Crucible Lift Rate | 0-127 mm/hr |
| Crucible Jog Speed (Nominal) | 127 mm/min |
| Crucible Rotation (Reversible) | 0-20 rpm |

| SILICON CHARGE CAPACITY | | |
|--|------------------|---------------------|
| *Hot Zones available to fit following crucible size. Note: Charges enhanced with Xtramelt™ Feeder | | |
| CRUCIBLE DIAMETER* | CRUCIBLE HEIGHT* | NOMINAL CHARGE SIZE |
| 24.0 in | 343 mm (13.5 in) | 220 kg |
| 26.0 in | 483 mm (19.0 in) | 300 kg |
| 28.0 in | 496 mm (19.5 in) | 350 kg |



Dimensions shown are typical and can be customized to meet customer requirements

| OPTIONS & ACCESSORIES | |
|-----------------------|------------------------------|
| Feeders | Vacuum Pumps |
| Hot Zones | Ingots and Crucible Handling |
| Filters | Maintenance Tools |