



*The solution for the
8 inch wafer*
8 英寸硅片解决方案

KX150 OVERVIEW

PERFORMANCE: 主要性能指标

Typical Ingot Diameter 单晶直径	8" (200 mm)
Pull Chamber Door Opening (W x H) 炉门开口尺寸	15" x 82" (381 x 2083 mm)
Throat Diameter 喉管直径	14" (356 mm)
Seed Lift Rate 籽晶提升速率	0-20 in/hr (0-508 mm/hr)
Seed Jog Speed (Nominal) 籽晶快速提升速率(最大值)	20 in/min (508 mm/min)
Total Crucible Travel 坩锅最大行程	18" (457 mm)
Crucible Lift Rate 坩锅提升速率	0-10 in/hr (0-254 mm/hr)
Crucible Jog Speed (Nominal) 坩锅快速提升速率(最大值)	2.0 in/min (50.8 mm/min)
Seed Rotation (Reversible) 籽晶转速	0-50 rpm
Crucible Rotation (Reversible) 坩锅转速	0-20 rpm (std option)
Vacuum Pumps- Main 主真空泵抽速 (Recommended) Aux 辅助真空泵抽速	221 cfm (6,260 l/min) 60 cfm (1700 l/min)

SILICON CHARGE CAPACITY: 硅投料量

Standard Hot Zones for the KX150 are available to fit the following crucible sizes: KX150 炉的标准配置如下:

Crucible Diameter 坩锅直径	Crucible Height 坩锅高度	Charge Size Cold Pack 坩锅冷套
20.0 in	15.0 in	90 kg
22.0 in	15.0 in	118 kg
24.0 in	15.0 in	150 kg

UTILITY REQUIREMENTS: 工厂动力配置

ELECTRICAL: 350kVA, 380 / 400 / 440 / 460 ±10% VAC. 3
FURNACE PHASE 50/60 Hz, FUSED FOR 650 / 625 / 575 /
 电力配备 550 amps

COOLANT WATER: 冷却水

Maximum Inlet Temperature 入口端最高水温 77° F (25°C)
 Minimum Flow Rate 最小流量 78 gpm (295 l/min) total
 Diff. Supply Pressure 入口出口压力差 30 psi (2.1 kg/cm²)

ARGON: 氩气

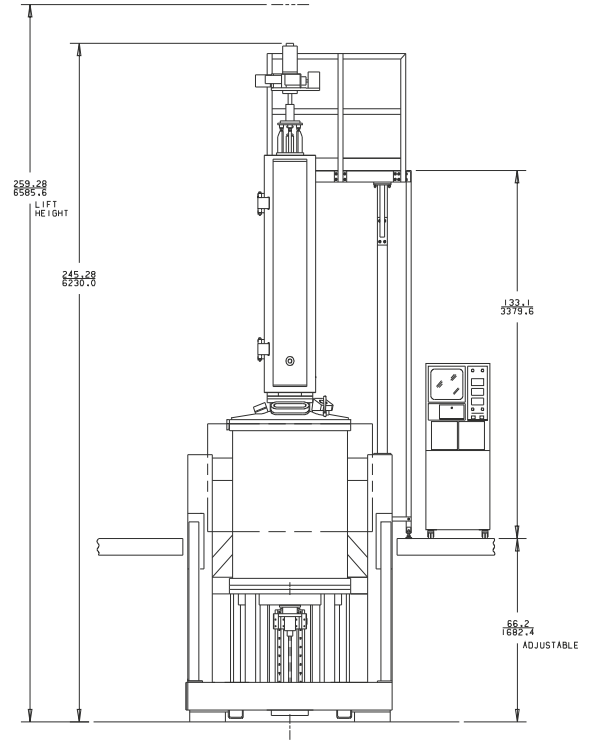
Mass Flow Control (Max.) 主氩气流量 200 slpm
 Purge Flow 吹扫流量 100 slpm
Facility Total 合计 300 slpm
 Recommended Supply Pressure 推荐压力 75 psi (5.3 kg/cm²)

AIR: 压缩空气

Recommended Supply Pressure 推荐压力 90 psi (6.3 kg/cm²)

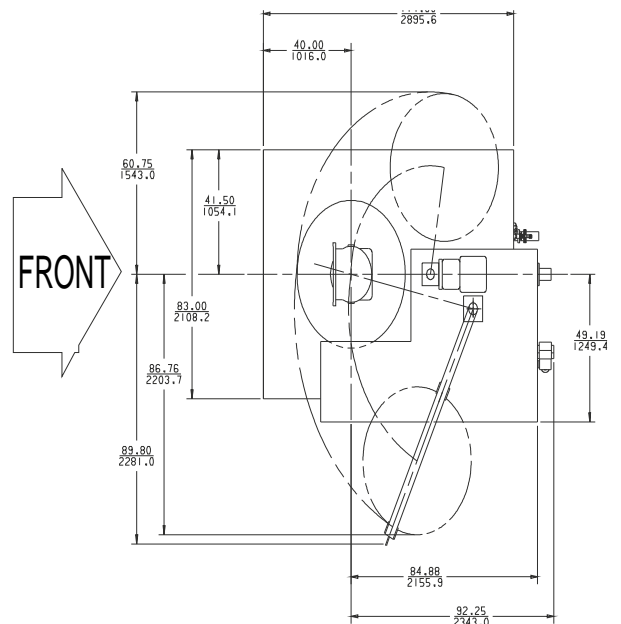
DIMENSIONS (APPROXIMATES): 尺寸

	Furnace Overall 主炉体	Control Console 电控柜	Power Supply 电源柜
HEIGHT 高	259 in (6.59 m)	63 in (1.60 m)	53 in (1.35 m)
WIDTH 宽	151 in (3.82 m)	26 in (0.66 m)	53 in (1.35 m)
DEPTH 深	132 in (3.36 m)	36 in (0.91 m)	59 in (1.49 m)
WEIGHT 重量	7,710 kg		



SIDE VIEW

侧视图



PLAN VIEW CHAMBERS OPEN

俯视图(炉室打开状态)



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