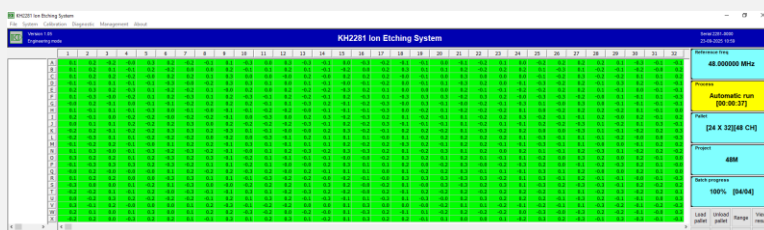
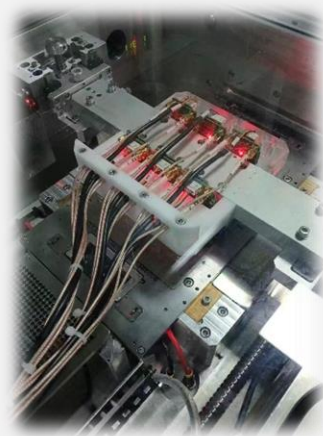


New Product

KH2281

Ion Etching System



Introduction

- 48-channel simultaneous frequency fine-tuning of crystals using ion etching method.
- Each pallet tray can hold up to 768 crystals, with a maximum of 48 crystals undergoing synchronized fine-tuning at the same time⁽¹⁾.
- The main vacuum chamber maintains at high vacuum state, reducing gas contamination and accelerating the production process.
- An auxiliary pre-vacuum chamber is equipped for tray exchange.
- An optional fully automatic post-process sorting device is available to classify products as qualified/unqualified and filter out defective ones.
- After fine-tuning is completed, results are displayed on the screen for quality monitoring without affecting the next batch of production.
- Pre- and post-process data of workpieces can be stored to support smart production and big data processing (Ethernet interface included).



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Technical Specification

• Measure System	KNet200M Network Analyzer
• Freq. Range	1-200MHz
• Fine-Tuning Accuracy	+/-1ppm typical at Fr
• Ion Source	Rectangular Ion Source
• Vacuum System	Mech. Pump (2x)+ Turbo Pump (1x)
• Tray Capacity	1 tray (per cycle)
• Tray Size ⁽²⁾	768 Position (24x32) Tray
• SMD Crystal Size ⁽²⁾	3225, 2520, 2016, 1612, 1210 ..., other please consult with Kolinker.
• Power Supply	AC380V 3-PH, 50Hz, approx. 4KVA
• Cooling Water Requirement	Approx. 2Kgf/cm ² , 3L/min. Temperature approx. 19°C to 21°C
• Software OS	Win10-64 bit
• Compressed Air Requirement	5Kgf/cm ²
• Argon Gas(Ar)	5-30 sccm
• Dimensions	Approx. 1380 (W) x1200 (L) x1760 (H) mm (Excluded light pole)
• Production Capacity	Up to 5M/Month

System Configuration & Options

System Configuration

• Main Unit	1 Set
• Turbo Pump	1 Set
• Mechanical Pump	2 Sets
• KNet200M Network Analyzer	6 Sets

Options

- Automatic Load/Unload Pallet Device w/ Sorting & Hi-drive Function
- Oil-Free Pump
- Cryo Pump
- Chiller Unit

(1) Quantities may vary depending on the pallet tray selected.

(2) Other crystal size please contact Kolinker.

Specifications are subject to change without prior notice.
Photo shown is for reference only.



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