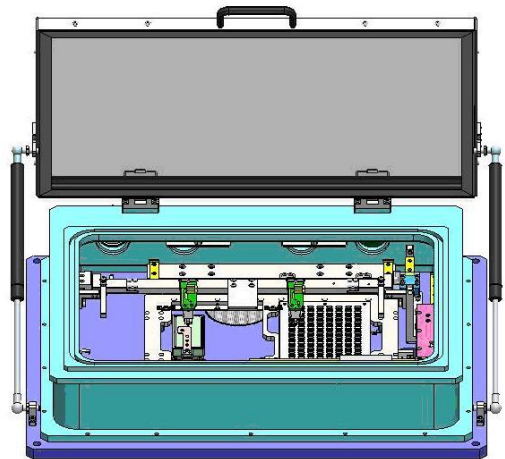
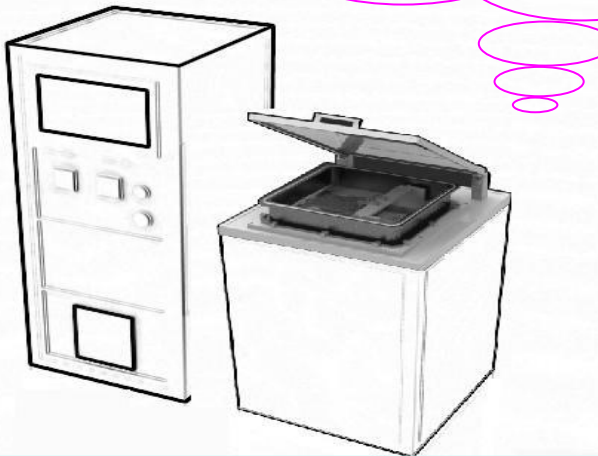


# KF-720A

## 49S Pallet Type Plater Up-grade (dual pallet, dual head)

**Fully Computer Control  
High Accuracy! Higher  
Efficiency!**



### Features

Traditional wheel type plating system is manually load & unload crystals one by one, this may increase contamination and efficiency is low. An advanced KF720A upgrade is introduced for improving the efficiency & quality significantly. KF720A use pallet operation which simply the load & unload process due to the plating pallet is compatible with mounting & welding pallet, a simple transfer conversion could be done among those processes. Dual heads plating for high throughput. The upgrade is suit for the traditional Kolinker plating system, Japan made or China made wheel type plating system. For detail, please contact Kolinker Precision Technology Ltd.

The built-in high quality KH1800/KH1820 Pi-network Crystal Measurement System provides the final accuracy of the crystal being plated. Measurement accuracy ( Fs or Fr ) can achieve  $\pm 1$  ppm. And for full frequency range, both Fs and FL can be plated with high accuracy. Post measurement provides an in-process function which displays the results for failures screening.

- Operation software is user friendly and menu driven
- Clear vacuum chamber design, maintenance is easy
- Dual heads plating for high throughput
- Easy load & unload crystals for mounting or welding
- Post measurement is available for product screening



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## System Configuration

- 49S Vacuum chamber Main unit 1 set
- Vacuum and Stepper controller 1 set
- System software & cabling 1 set
- Pi test head 2 sets
- 49S plating pallet (200P) 2 sets
- KH1800 or KH1820 card (for plating) 1 set

## Options

- Computer set
- Vacuum System with Rack for upgrade unit

**KF710 Final frequency adjustment system**

	1	2	3	4	5	6	7	8
Y	223.6	579.7	508.1	519.4	252.7	526.5	576.2	579.5
X	530.4	577.1	517.4	533.4	544.6	518.3	578.0	508.1
W	560.2	559.5	502.3	522.0	560.8	581.6	534.3	521.8
V	595.6	502.7	565.8	598.2	521.0	593.7	542.7	533.7
U	526.6	560.6	586.4	564.0	505.6	599.7	576.6	502.1
T	583.8	537.2	535.4	576.7	594.9	578.4	506.4	502.1
S	557.2	569.4	504.8	532.6	599.0	597.5	563.7	521.9
R	570.0	568.8	502.3	560.1	530.3	569.7	521.5	567.1
Q	582.2	573.9	598.4	587.2	550.4	551.8	564.2	594.9
P	572.2	589.5	554.8	524.9	566.3	530.9	576.5	594.5

Crystal	FL [ppm]	Rs [ohm]	C0 [pF]	C1 [fF]	Ts [ppm/pF]	Q
Y1	223.6	50.9	3.034	12.213	18.8	22
Y5	252.7	50.2	2.897	11.703	18.3	24

Target frequency: 11150000 Hz. Status: Plating... Start time: [ ] End time: [ ]

Setup: General | Measurement | High drive | Cycle 1 | Cycle 2 | Cycle 3 | After plating test | Parameter limit

Description: Setup default

Plating material preheat

Preheat rise power: 45.0 % Preheat rise time: 5 s

Preheat soak power: 15.0 % Preheat soak time: 5 s

Filement cool down time: 30 s After plating:  Auto vent

Plating data log

Copyright © 2011 Kolinker Industrial Equipments Ltd. Measurement KH1800 Vacuum KMS339 Power KMS339 KMS339 Position KMS336 NUM CAPS SCRL v2.38

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



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