



High speed Test & Sorting handler

This machine is designed with a set of high speed Vibrating Bowl & Linear Feeder to feed components into testing position automatically, then connected with a precision 16 positions turret that makes the high throughput become possible. It can be utilized as a testing and sorting handler with a very high throughput for Silicon Chips; Cores; Cell....etc.

Throughput: *Up to 15,000 parts per hour. (Base on 140ms testing time).*

Component type: *All silicon chips; Cores; Cell.*

Power and dimensions:

Electricity: 220V AC, 2KVA.

Dimensions: 1620mm (H), 620mm (W), 1040mm (L).

Weight: 400 Kg.

Automatic Die Sorting Machine Model No.: MT-DS-015

High speed testing & sorting multifunction handler

This machine is designed with a set of high speed Vibrating Bowl & Linear Feeder to feed die or components into testing position automatically, then connected with a precision 16 positions turret that makes the high throughput become possible. It can be utilized as a testing and sorting handler with a very high throughput for Silicon Chips, SO or SMD packages. Around 3 to 5 times faster than traditional single head handler, since the indexing multi-heads shared the cycle time, also spreads those small mechanisms into wider area that not only increase the speed; more sorting bins; accurate of sorting; also makes much easier for maintenance.

Throughput: Up to 15,000 parts per hour (Depending on part type & test time<110ms).

Component type: Silicon Chips (30~75 mils square, 75~140 mils square, 140~200 mils square), all discrete of SMD and SO packages.

Power and dimensions:

A.) Electricity: 220V Single phase, 2KVA.

B.) Dimensions: 1037mm (L), 620mm (W), 1621mm (H).

C.) Weight: 150 Kg.

Mechanisms:

- 1.) Vibrating Bowl Feeder.
- 2.) Vibrating Linear Feeder I.
- 3.) Vibrating Linear Feeder II (For return the chips back to Bowl Feeder).
- 4.) 16 positions turret.
- 5.) Vacuum pick-up Probes (16X).
- 6.) Test stations (Kelvin probe design, can optional expanding to 3 stations).
- 7.) Ejecting stations (10X).
- 8.) Sorting Bins (10 Bins).
- 9.) Adjustable positioning table I.
- 10.) Adjustable positioning table II.
- 11.) Indexing Reducer.
- 12.) Motor and Reducer.
- 13.) Vacuum Generator.
- 14.) Clear Cover.
- 15.) Machine Frame.

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