

MicroVision MODEL 998

(Jedec) Tray to Tray 3D Inspector System



BGA, QFP, CSP, TSOP, QFN INSPECTION

Microvision Model 998 inspector system is designed to handle Jedec tray devices namely QFP, BGA, TSOP, QFN with 3D inspection on the “FLY”.

Standard system include input and output stacker tray with mark inspection and two layers of reject trays to minimize floor space. It has revolutionized 3 pickup heads mounted on a linear servo motor with programmable XYZ for auto conversion with no mechanical changeover kit required.

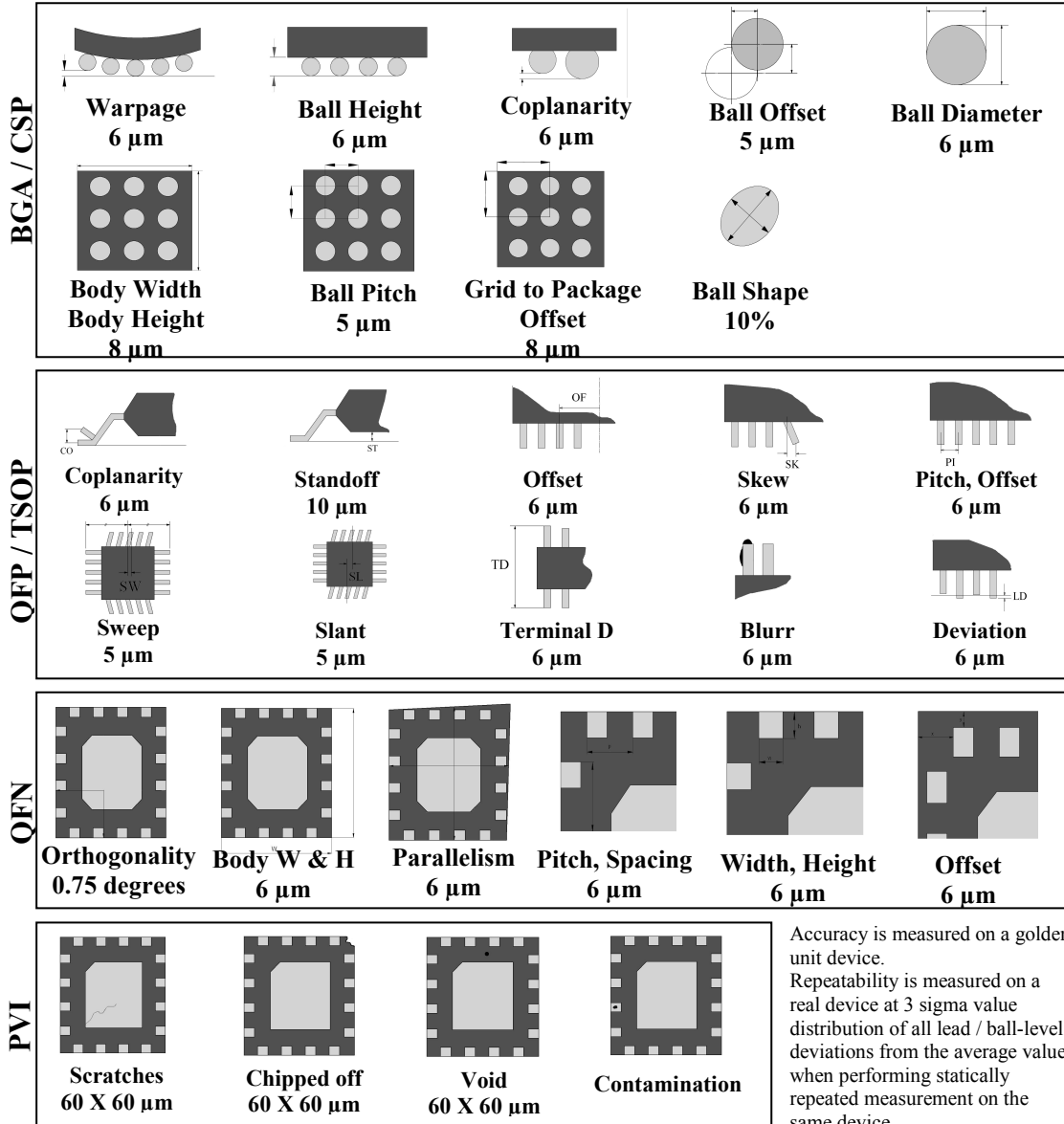
The simplicity of 998 allows optimum up time design for outgoing QA to accommodate all different packages with one single touch to achieve overall efficiency and highest productivity



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Inspection (Accuracy / Repeatability)



Mark Inspection:

Missing, incomplete or incorrect characters and logos, smeared, blurred, scratched, low contrast, angle, misaligned, reversed, double and additional mark

Throughout

Package Type	Matrix X	Matrix Y	No of pickup	UPH
QFP (7X7)	10	25	3	8500
QFP (10x10)	8	20	3	7500
LBGA8x8	12	29	3	8500
QFP (20X20)	5	12	1	3000

Note: A yield of 100% is assumed

Facilities Requirements

- Dimensions : 1500 (W) X 1000 (D) X 2250 (H) mm (Include Tower Light)
- Weight : 800 kg
- System Power : 220-240Vac +/-10%, 50/60 Hz 20Amps, Single Phase
- Compressed Air : 70-80 psi, 12 scfm
- Temperature : 5°C (41°F) to 40°C (104°F)
- Classification : <Class 10 clean room

Features:

- Stack Input : 30 Trays
- Stack Output : 30 Trays
- Reject Tray : 2 layers