



GENMARK Robotics Solution

REPAIR/ REFURBISHMENT/ & EXCHANGE PROGRAM

Range of Products

Robots	Boards	Components
GB1E	Motion Control Boards	Link Bearings
GB3	CPU/Communication card	Drive belts
GB4 / P / S	Flipper motor boards	Home switch & sensors
GB5 / 6S / Grex / AVR	CCD driver board	Vacuum Valves & sensors
GB7 / S/ SY / W		
GB8 / SM		
GB9 / AVR		

Genmark Robots are used in these equipment and more:

Accretech	Ipas
Acumap	LPE
AMAT	NEXX
ASM	Novellus/Speedfam/IPEC
Axcelis	Olympus
Biorad	Poongsan
Brewer science	Rudolph
ESI	Sonix
EVG	Suss Microtec
Interserv alignment system	Ultratech



Scope of work

Pre tests & disassembly

- Checking calibration & original alignment
- Removal of all motors, belts, bearings & arm
- Flush out old grease & carbon deposits

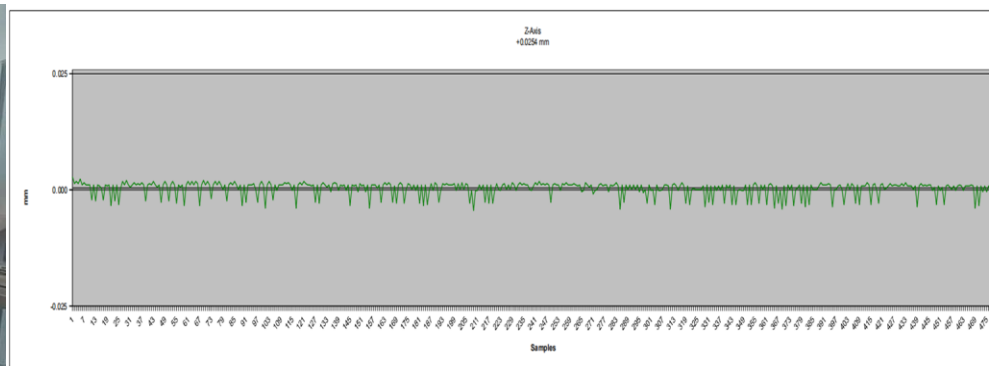
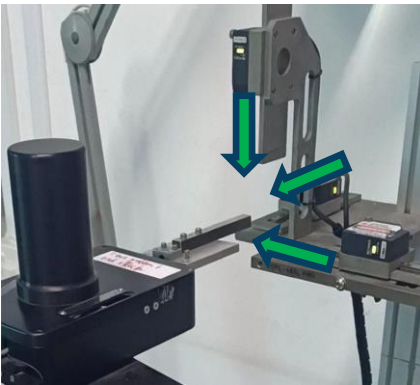
Reassembly

- Replace motors, belts & bearings
- Vacuum valves & sensors
- Functional check on harness, (I/O)
- Harness repair/rewire if necessary

Testing

- 72 hour run in for motors and moving parts
- Calibration (alignment) & lubrication
- 500 cycle Laser repeatability test

EXTENSIVE TESTING TO ENSURE BEST QUALITY!



3 Axis measurement for 500 times!

Raw data is given to customer to ensure there is no intermittent problem during cycling

Fast Lead Time: 10 to 14 Days Turnaround for Refurb

Warranty: 1 Year for Refurbishment / 6 Months for Repairs

For enquiries, please feel free to email to us at ask@ptwsingapore.com