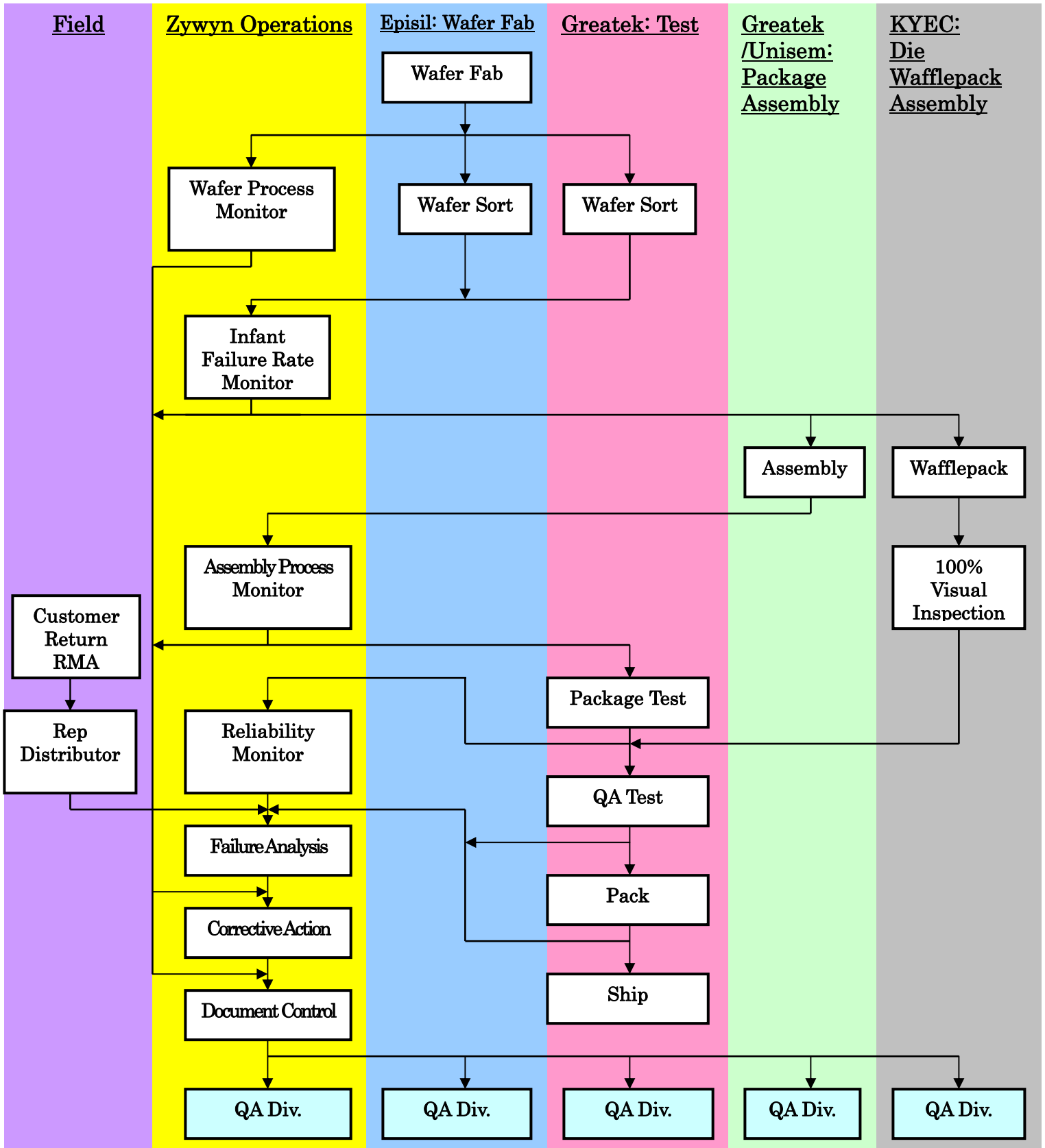




Zywyn Quality Assurance Flow Chart





ZYWYN CORPORATION

1270 Oakmead Parkway, Suite 201
Sunnyvale, CA 94085, U.S.A.
Tel: (408) 733-3225
Fax: (408) 733-3206
www.zywyn.com

Process Monitor

- Static Process Control (SPC)
- Wafer Acceptance Test (WAT)
- Process Parameter Monitor

Wafer Sort

100%

- Wafer Sort 1
 - DC Characteristics
 - Loose AC Characteristics

Infant Failure Rate Monitor

- Infant Failure Rate Monitoring

Assembly

- Wafer Saw
- Inspection/QA
- Die Attach
- Wire Bond
- Inspection/QA
- Mold
- Clean
- Bottom Mark
- Post Cure
- Plating/Plate Inspection
- Trim/Form
- Final Visual Inspection

Assembly Process Monitor

- Assembly Yield Monitoring

Package Test (Outgoing Test)

100% Test

- DC Characteristics with Guardband
- AC Characteristics with Guardband
- Test Temperature with Guardband at Room Temp

QA Test

Sample unit

- DC Characteristics to Datasheet



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- AC Characteristics to Datasheet
- Test Temperature with Guardband at Room Temp

Reliability Monitor

Sample lot

- High temperature Operating Life (HTOL)
- Temperature Cycling
- 85 degree C/85%
- Highly Accelerated Stress Test (HAST)
- Electrostatic Discharge (ESD)
- Latch Up

Pack

- Visual Inspection
- Bake
- Tape & Reel
- Dry Pack

Failure Analysis

- All Electrical Test
- Chemical Analysis
- Decap/Deprocess Analysis

Corrective Action

- Failure Analysis Report
- Employee Education
- Vendor Control
- Application Note for Customer Education
- QA Approval
- Document Control