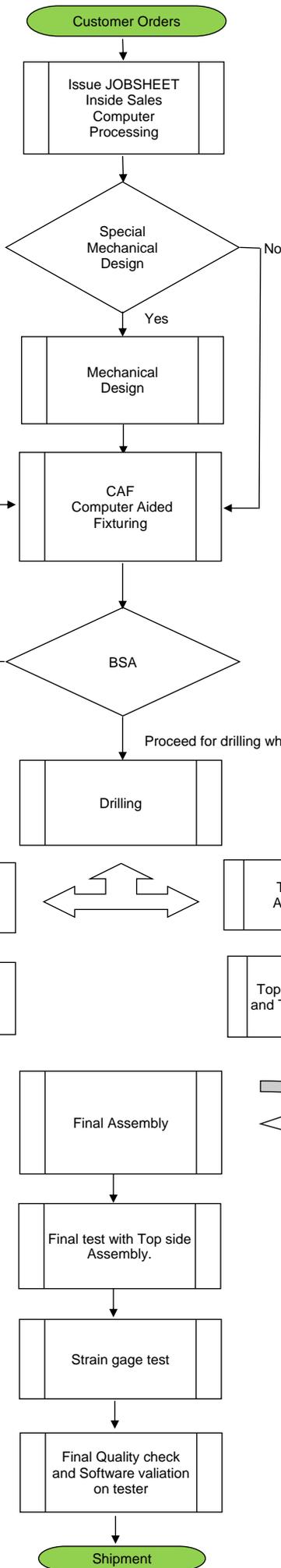


ICT Fixture Fabrication Process

ICT 测试治具制作流程



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Issue JOBSHEET
Sales order activated and fixture parts issue through our MRP system.
Create Prowork template for the particular S/O
SOP and QC checklist generated for the Sales Order.
Job scheduling during contract review for various department.
Request to Convert CAD file end create Bom .
Special Mechanical design request if any.

Assigned ENG number Special mechanical design.
Output special design drill and rout file to CAF
Mechanical part ordering

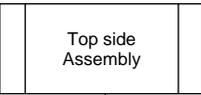
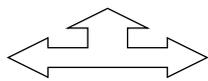
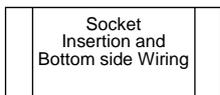
CAF utilises customer provided Fixture file to generate production file.
and UUT Smart file(converted CAD) to simulates the board info.
Prepare and provides the following files thru server:
1. Drill files for probe plates, top plate and push finger plates
2. Milling and Routing file to create cavity/recess for tall components.
3. Wiring files
4. Node Viewer and fixture documentation package

BSA(Board Stress Analysis) is a computer simulation on board stress effect
This analysis can be run before the fixture is built: and is thus a proactive
method of measuring and predicting stresses in PCBAs.

Proceed for drilling when BSA is within customer spec.

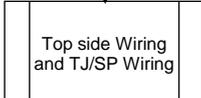
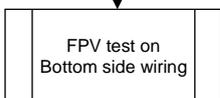
Bottom Side drilling and routing and assembly
Top side drilling
Customized part drilling and routing

Socket insertion
Semi auto wiring

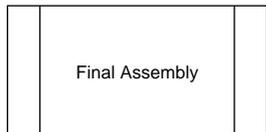
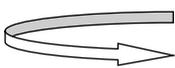


Initial assembly of the top side of fixture is done concurrently
Light pipe assembly for Led check or SmartFinn.
other mechanical module assembly like side access, dual stage

Flying probe,
open and short test
bottom side only

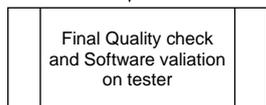
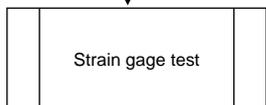
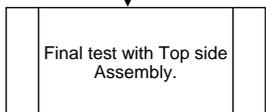


Top access socket insertion/wiring
Testjets/ Switch probe wiring
Led check/ Smart finn wiring
Side access wiring
Other accessories wiring



Assemble the bottom side with top side of fixture
Gasketing and vacuum sealing check
Customized part machining
Finger and stops verification with actual board
Probe Targeting check
Other mechanical module alignment check.

Final flying probe and open and short test
FPV check with shorting plate and open plate
Leakage check for high impedance short



To ensure accuracy, all assembled fixtures are submitted
to a rigorous test process that includes Fixture Performance
Verification, QC hardware check and test program verification
on ICT tester.



Invoices, Shipping Document and Arrangement