



BIW Fixture Design Syllabus

- How new product starts?/ How the product comes up to production stage?
- Vehicle/Aggregates/vehicle systems-only names & sequence of assembly
- What is BIW?
- Different parts of BIW & assembly sequence of BIW parts to form BIW
- Types of frames /Bodies OR construction of bodies
- What is part drawings?
- What is subassembly drawings?
- Assembly drawings?
- Info fitment drawing?
- Joineries of BIW parts/different welding techniques in BIW.
- Which are the 'A' class surfaces in BIW.
- PLP points on BIW parts.
- Nugget test (welding)
- How the assembled BIW inspected?
- Thickness range of BIW parts
- Materials used in BIW
- Different ways to give strength to BIW parts
- Post operation on BIW
- Pannel main-
- Child pannel study-
- Spot study -No of Spots and pitch
- Gun Reachability-Gun study ,access study
- Cycle time- Only Definition and Concept
- Cylinder selection-only Basics study

- Clamp unit-Complete design concepts and finalisation study
- Pin unit--Completedesignconcepetsandfinalisationstudy
- Rest unit-Completedesignconcepetsandfinalisationstudy
- Difference between product and component-Detail study
- How to check Unit Zero- Detail study
- How to check Part zero-Detail studyW
- Weld ment-Detailstudy
- Mirror/ Summetry-Detailstudy
- Contextual link part-Detailstudy
- PLP (principle-location-plane)-Detailstudy
- Splitting-Detailstudy
- Gripper-only Basics
- Line Layout-Only Basics
- How new product starts? /How the product comes up to production stage?
- Vehicle aggregates /vehicle system-only names & sequence of assembly
- Different parts of BIW & assembly sequence of BIW parts to form Blw
- Types of frames/ bodies/ construction of bodies
- What is part drawing-subassembly drawing,assembly drawing,info.fitment drawing
- Joinaries of BIW parts / different welding techniques in BIW
- Which are the A class surfaces in BIW
- PLP points on BIW parts
- Nugget test (welding)
- How the assembled BIW inspected?
- Thickness range of BIW parts
- Materials used in BIW
- Different ways to give strength to BIW parts