



Frame Inspection Jig

DTI makes this Frame inspection jig starting from the 3D model of the Frame product to completion.

DTI designs the Inspection Frame jig design at the request of the customer, where the concept can serve to measure the bolt holes and the distance between the holes of the Frame.

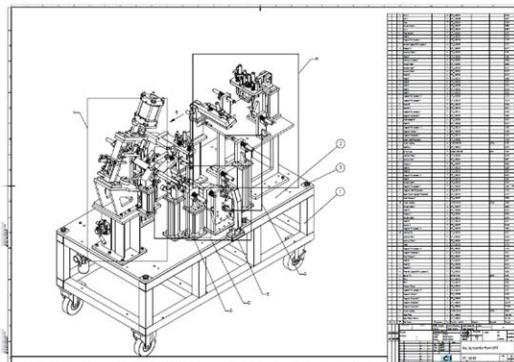
Order of Making Process:



Modelling



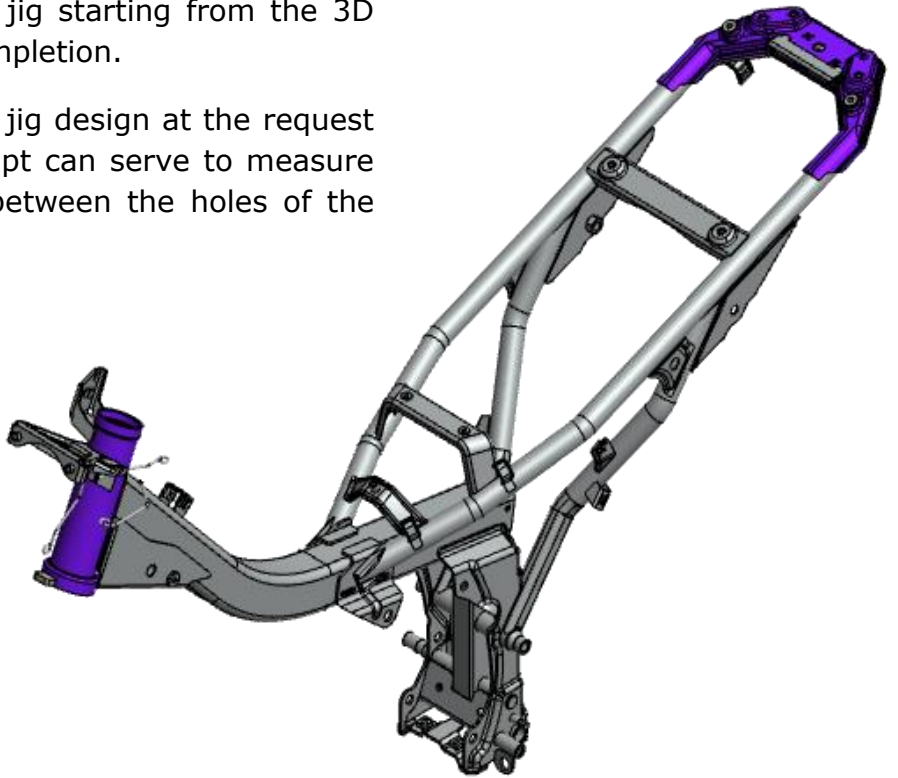
Drawing



Production



Assembling



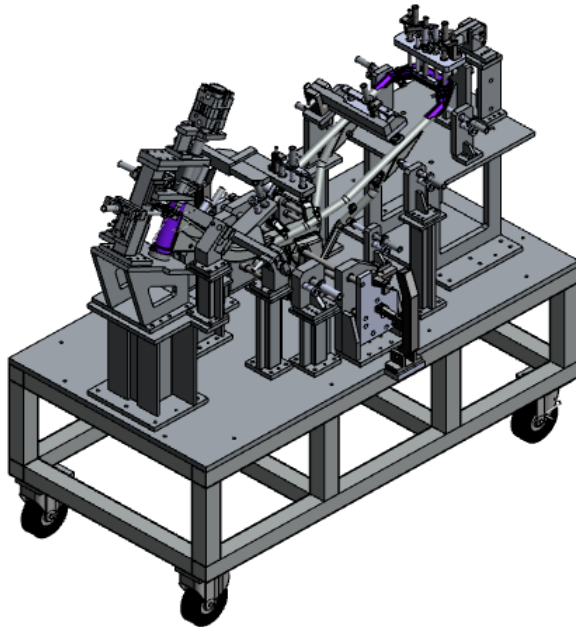
System Locator Jig by using Pin & Bush where points are close together are designed by combining several Locating Pins into 1 plate + handle, so that the operator can more quickly install the product in the inspection jig.

The main locator is on the pipe that connects to the motor handlebar, where the locator system uses a pneumatic cylinder so that the locating becomes stronger.



Frame Inspection Jig

Model Jig Inspection Frame



Measurement by CMM



CMM Report

| Session Information | | dti | |
|---------------------|---------------------------------|---|--|
| Part Name | Asay Jig Inspection Frame U019 | PT. DESIGN & TECHNICS INDONESIA SUPRI 22 SEPTEMBER 2017 | |
| Session Name | Pont kaman | | |
| Company Name | PT. DESIGN & TECHNICS INDONESIA | | |
| Operator | SUPRI | | |
| Date | 22 SEPTEMBER 2017 | | |

| Circle | Actual | Nom | Dev | Circle | Actual | Nom | Dev | Circle | Actual | Nom | Dev | Circle | Actual | Nom | Dev |
|-----------|----------|----------|--------|-----------|----------|----------|--------|-----------|----------|----------|--------|-----------|----------|----------|---------|
| Circle 1 | 117.03mm | 116.90mm | 0.13mm | Circle 2 | 104.31mm | 104.30mm | 0.01mm | Circle 3 | 102.31mm | 102.29mm | 0.02mm | Circle 4 | 112.27mm | 112.40mm | -0.13mm |
| Circle 5 | 100.00mm | 100.00mm | 0.00mm | Circle 6 | 100.00mm | 100.00mm | 0.00mm | Circle 7 | 100.00mm | 100.00mm | 0.00mm | Circle 8 | 100.00mm | 100.00mm | 0.00mm |
| Circle 9 | 100.00mm | 100.00mm | 0.00mm | Circle 10 | 100.00mm | 100.00mm | 0.00mm | Circle 11 | 100.00mm | 100.00mm | 0.00mm | Circle 12 | 100.00mm | 100.00mm | 0.00mm |
| Circle 13 | 100.00mm | 100.00mm | 0.00mm | Circle 14 | 100.00mm | 100.00mm | 0.00mm | Circle 15 | 100.00mm | 100.00mm | 0.00mm | Circle 16 | 100.00mm | 100.00mm | 0.00mm |
| Circle 17 | 100.00mm | 100.00mm | 0.00mm | Circle 18 | 100.00mm | 100.00mm | 0.00mm | Circle 19 | 100.00mm | 100.00mm | 0.00mm | Circle 20 | 100.00mm | 100.00mm | 0.00mm |
| Circle 21 | 100.00mm | 100.00mm | 0.00mm | Circle 22 | 100.00mm | 100.00mm | 0.00mm | Circle 23 | 100.00mm | 100.00mm | 0.00mm | Circle 24 | 100.00mm | 100.00mm | 0.00mm |
| Circle 25 | 100.00mm | 100.00mm | 0.00mm | Circle 26 | 100.00mm | 100.00mm | 0.00mm | Circle 27 | 100.00mm | 100.00mm | 0.00mm | Circle 28 | 100.00mm | 100.00mm | 0.00mm |
| Circle 29 | 100.00mm | 100.00mm | 0.00mm | Circle 30 | 100.00mm | 100.00mm | 0.00mm | Circle 31 | 100.00mm | 100.00mm | 0.00mm | Circle 32 | 100.00mm | 100.00mm | 0.00mm |
| Circle 33 | 100.00mm | 100.00mm | 0.00mm | Circle 34 | 100.00mm | 100.00mm | 0.00mm | Circle 35 | 100.00mm | 100.00mm | 0.00mm | Circle 36 | 100.00mm | 100.00mm | 0.00mm |

| Circle 34 | actual | nominal | deviation | low soil | up soil | OCI |
|-----------|----------|----------|-----------|----------|---------|--------|
| Cartor.x | -17.13mm | -17.00mm | -0.13mm | -0.20mm | 0.20mm | 0.00mm |
| Cartor.y | 282.50mm | 282.50mm | 0.00mm | -0.20mm | 0.20mm | 0.00mm |
| Cartor.z | 54.42mm | 54.51mm | -0.09mm | -0.20mm | 0.20mm | 0.00mm |

| 13 | actual | nominal | deviation | low soil | up soil | OCI |
|----------|-----------|-----------|-----------|----------|---------|--------|
| Cartor.x | -192.31mm | -192.50mm | 0.19mm | -0.20mm | 0.20mm | 0.00mm |
| Cartor.y | 292.65mm | 292.70mm | -0.05mm | -0.20mm | 0.20mm | 0.00mm |
| Cartor.z | -266.52mm | -267.00mm | 0.47mm | -0.20mm | 0.20mm | 0.00mm |

| 15 | actual | nominal | deviation | low soil | up soil | OCI |
|----------|-----------|-----------|-----------|----------|---------|--------|
| Cartor.x | -156.51mm | -156.00mm | -0.51mm | -0.20mm | 0.20mm | 0.00mm |
| Cartor.y | 374.30mm | 375.00mm | -0.70mm | -0.20mm | 0.20mm | 0.00mm |
| Cartor.z | -477.50mm | -477.50mm | 0.00mm | -0.20mm | 0.20mm | 0.00mm |

DTI successfully completed the project to make this Jig Inspection Frame with **Top Quality** and **on Time Delivery**.