



GUIDED ASSEMBLY

Error proofing for manual assembly applications



FEATURES

Controlled process with no faults forward

Pick to light system to ensure selection of correct parts

Integration with factory equipment, tools, test equipment, vision systems etc.

BENEFITS



Error proof production



Full traceability of all parts



Meet the requirements for IATF 16949 certification

APPLICATIONS

Paperless manufacturing

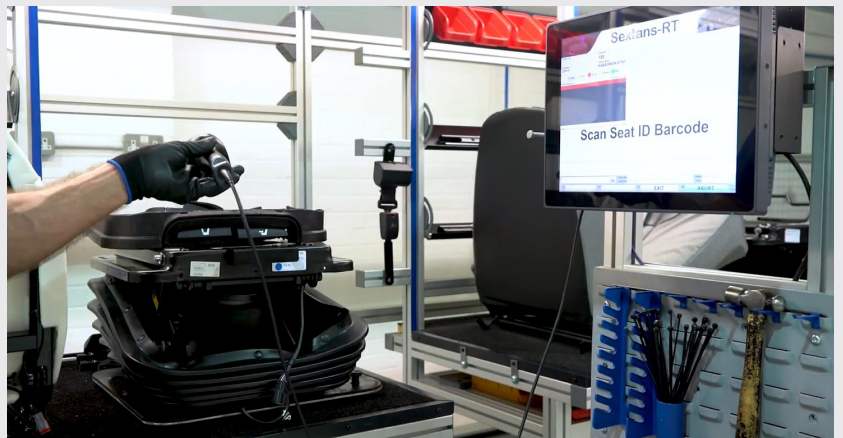
Control of manual processes

Error-proofing and quality management

Data acquisition and traceability

Sorion's Guided Assembly Solutions have been designed to maximise quality and prevent mistakes in manual parts picking and assembly tasks.

The solution is field proven and is already enabling manufacturers from a variety of industries to actively improve their quality processes whilst also reducing their operating costs.



Assembly station

OPERATOR GUIDANCE

Digital work instructions to guide operators through the process.



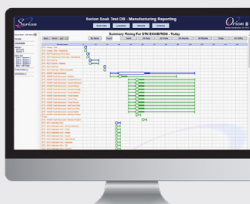
NO FAULTS FORWARD

Sequenced production operations and integrity checks.



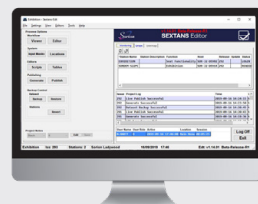
TRACEABILITY

Data for each completed step is recorded for a digital history of the entire production process.



INDEPENDENCE

Easy to configure to exact requirements, without the need for hard coding.



CONNECTIVITY



USER ACCESS CONTROL - Prevents unauthorised operation with permissions and user roles



PICK TO LIGHT
Ensures quick and precise selection of parts



PART VERIFICATION - Barcode scanning or RFID reader to identify product components.



DIGITAL I/O
Easy connectivity of external I/O devices



DC TOOLING - The correct tool and tightening program is selected dynamically



ASSEMBLY JIGS/FIXTURES
providing Poka Yoke functions



IMAGE CAPTURE - Capture and store images for quality control and complete traceability



LABEL PRINTER
Automatically print labels at the point of production



FACTORY INTERFACES - Integration with customer build control systems to receive build specifications

INSTALLATION AND SUPPORT

Start-up and Commissioning

Customers can enlist the help of our application engineers to correctly integrate and commission their new equipment. This helps to significantly reduce the speed of deployment.

Training

Training courses are key to allowing the customer to be self sufficient in the day to day management of the system. We offer training courses at all levels from basic operation and maintenance through to full authoring and deployment.

Support

We offer various levels of service from preventive maintenance contracts, field service on an as-needed basis to comprehensive 24 x 7 support contracts.



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THE SORION SOLUTION



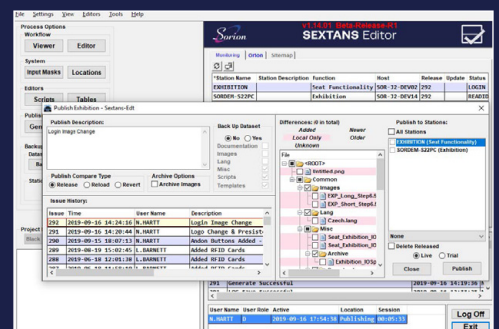
Pick to light



DC Tool integration



Scalable from stand-alone station to complete shop floor solution



Central management of all stations

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