

Step 5

INLINE-DOCUMENTATION

The screenshot displays the PQS RES software interface, which includes several key components:

- Test data window:** Shows a line graph of test results over time and a table of data points.
- Process stability window:** Displays multiple signal curves representing different process parameters.
- Component documentation and evaluations window:** Shows a detailed view of a component's performance and quality metrics.
- Main dashboard:** Features a 3D visualization of a robotic assembly line with various workstations labeled (e.g., Roboter 7, Roboter 8, C016, Bucklein). Below this is a data table for 'Punktkruppen'.

90R1	80R2	90R1	100R2	110R1
980	1180	890	980	1420
1020	1200	1930	970	1490
1780	1090	1810	1000	1530
1770	2170	1760	930	1380
1900	1200	1900	830	1430
940	1080	1850	850	1480
1050	1120	1925	860	1370
1130	900	1820	840	1510
1240	1820	870	870	1570
1170	1870	950	950	1400

Test data
 The control samples taken for verification and their test results are managed in the PQS system and thus offer the basis for a complete proof of quality. On this occasion the Q-SAVE technology offers you greatest possible protection against lacking product quality.

Process stability
 You can ascertain the current status of the process stability at any time and permanently investigate your joint processes regarding further optimization potentials.

Component documentation and evaluations
 All process and quality data is permanently monitored and stored. This is how you can get a complete documentation and you can be relaxed and calm about any customer audit.

5. Inline-Documentation
 PQS permanently monitors all analog process data such as e.g. current, voltage, force and distance as signal curves as well. Moreover, all production data and monitoring and test results are documented. This provides for the prerequisite for an auditable proof of quality and the necessary traceability.

