Press Release

Xplain Data presents Causal AI for Electronics Production Optimization at productronica 2025

Munich, 16. September 2025 – Xplain Data GmbH will be showcasing its latest solutions in the field of Causal AI at productronica (November 18–21, 2025, Munich Exhibition Center). In Hall B2, Booth 369/3, the company will demonstrate how electronics manufacturers can use automated AI-powered root cause analysis to increase efficiency, stability and transparency in manufacturing processes.

CausalDiscoverer YieldPro: Identify causes, safeguard quality.

CausalDiscoverer YieldPro automatically analyzes all factors that influence quality in processes and design. At the touch of a button, it also uncovers hidden causes of design-related errors and sustainably reduces electronics production failures. Manufacturers benefit from higher yields, optimized product quality, accelerated processes, and reduced quality costs.

The platform enables intuitive, scalable modeling of causal relationships across the entire production process, allowing experts to focus their efforts on the key parameters.

Causal DiscoveryBot: Live production monitoring.

The autonomous Causal DiscoveryBot integrates root cause analysis (RCA) directly into production. While continuously monitoring production data, it quickly detects upcoming quality risks and alerts those responsible in real time - via e-mail or messenger. This allows problems to be contained immediately before they cause major disruptions.

"In electronics manufacturing, the ability to identify causes rather than symptoms is crucial to quality and competitiveness. With our patented Causal AI, we make exactly that possible - evidence-driven, automated, and ready to use," explains Dr. Michael Haft, CEO of Xplain Data GmbH.

Xplain Data's algorithms are purpose-built to identify the few truly meaningful causal relationships hidden within massive volumes of production data. The company has been recognized as a leader in the 2025 Gartner AI Hype Cycle, named an IDC Innovator in "Industrial AI Applications and Solutions" in 2024, and is a member of the Siemens Xcelerator platform.
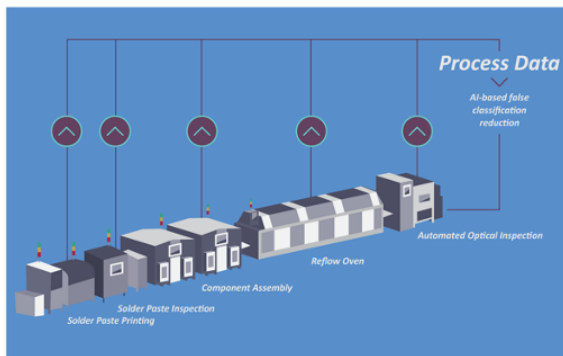
Xplain Data, founded in 2015 and based in Munich, develops innovative technologies in the field of causal AI. The aim is to make causal knowledge from real data usable in order to eliminate sources of error and reliably achieve desired effects. Leading manufacturing companies are already successfully using the solutions for automated root cause analysis, modeling "what if" scenarios, and yield optimization.

Visit us at productronica 2025:
November 18–21, 2025 – Munich Trade Fair Center – Hall B2, Booth 369/3

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Image material:

Captions:

1. Process data acquisition along a typical printed circuit board production line with automatic optical inspection (AOI).
2. Dr. Michael Haft, CEO and Founder, Xplain Data GmbH

Please find these images in high resolution here: https://app.box.com/s/yjbcbs512rnqk5tq623y4spx7dl4r96t

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