



Tecnomatix Dimensional Planning and Validation (DPV)

Summary

Tecnomatix® Dimension Planning and Validation (DPV) software from Siemens Digital Industries Software, enables your extended enterprise to collect, manage, dimensionally analyze and report on quality measurement information. This userfriendly solution significantly reduces your bottom line manufacturing and quality costs by giving decision makers rapid access to design and manufacturing information that directly influences your enterprise's quality targets.

How Tecnomatix DPV Works for You

Your company can use the following Tecnomatix DPV capabilities to plan and monitor quality throughout your enterprise:

Measurement planning

Manage, update, and capture as-designed measurement points and measurement plans in a manufacturing database that decision makers can access at anytime, and from anywhere, for selected information retrieval.

Production monitoring

Capture measurement data from any device into Teamcenter. Use automated tools during the loading process to proactively identify quality trends.

Historical reports

Produce summary reports to consolidate extremely large amounts of measurement data, enabling decision makers to quickly review this information. Use this information to compare processes and/or plants, understand process stability, and summarize your company's performance over any time period.

Benefits

- Reduce cost required to achieve your quality targets by facilitating quick problem resolution
- Decrease time-to-market and factory downtime by providing in-depth analysis of build issues
- Increase end product quality by enforcing data consistency
- Boost productivity by enabling enterprise design and manufacturing on a global basis

Features

- Enterprise-wide visibility to quality information
- Integrated definition of your measurement process coordinated with product design, manufacturing planning and plant layout
- In-depth analysis of captured measurement information
- Associative reporting, with standard and on-demand reports generated in seconds
- Historical and summary measurement reporting
- Real-time feeds to live reports of production quality metrics
- Traceability of production measurement information
- User-configured production measurement attributes

Analysis

Combine Tecnomatix DPV's easy-to-use but sophisticated statistical techniques with your PLM environment's 3D geometry capabilities to enable quality teams to rapidly define root causes to quality issues found in production.

Automated report publishing

Use Tecnomatix DPV to automatically populate preconfigured report templates with the quality measurements. Disseminate these reports from the shop floor to the boardroom so that decision makers can make metrics-based design and manufacturing decisions.

Web-enabled presentation and collaboration

Provide decision makers with Tecnomatix DPV's simple-to-navigate front end so they can access all quality reports using nothing more than an everyday web browser.

Discover which Solution is Right for You

	Enterprise	Core	Lite
Automated extract, validate and load of measurement data	✓	✓	✓
Automated universal translation for all file measurement results	✓	✓	✓
Extract translate load (ETL) basic website management	✓	✓	✓
TcVis CAD neutral support (JT) client	✓	✓	✓
TcVis associated JT & measurement data dynamic template reporting	✓	✓	✓
Inspection plan data management via Vis client and Lite web interface			✓
Single part web based reporting			✓
Real time threshold email alarming	✓	✓	✓
Associate inspection plans and results to BOM, BOP, BOR (traceability with consumption)	✓	✓	
Immediate access to right revision of product, process, resource, & measurement data	✓	✓	
Issue management, change management, workflow, and subscriptions	✓	✓	
ETL scaling (i.e.1.6 million data files a month)	✓	✓	
Raw measurement data management in Teamcenter	✓	✓	
Scalable Report Management for enterprise wide reporting and consumption	✓	✓	
Reuse capability from plant to plant, or program to program (structures and report templates)	✓	✓	
Scalable graphical report publication with queuing	✓	✓	
API for universal report creation via SSRS or off shelf reporting tool	✓	✓	
DPV Sharepoint web part for user-based report navigation	✓		
DPV Sharepoint data management dashboards (ETL, GRS, SSAS)	✓		
Automated Statistic aggregation data cube for historical reporting	✓		
Automated inspection plan revision association with reports	✓		



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