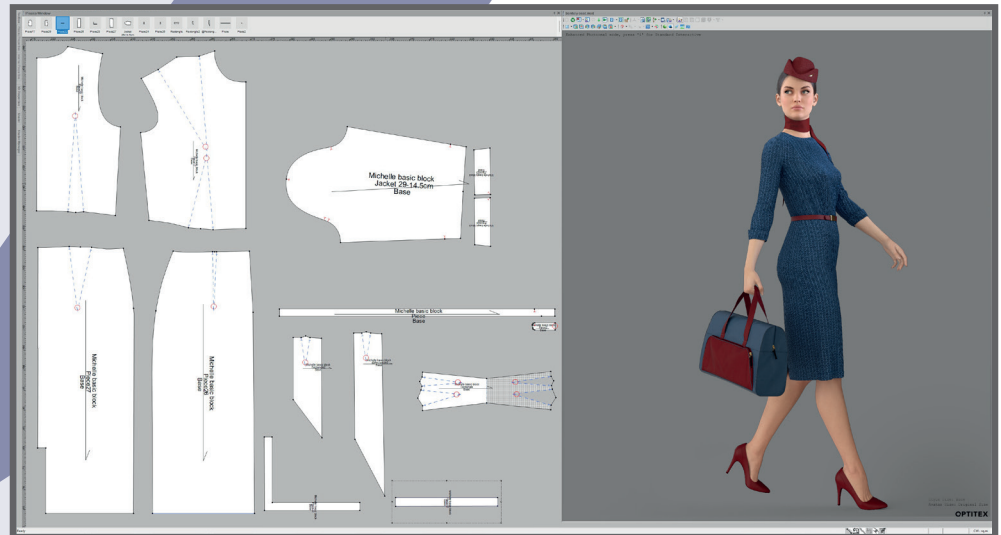# PDS

Achieve Pattern Excellence with Ease

Smart and flexible integrated 2D/3D solution for creating and validating digital patterns

OPTITEX

PDS

Optitex Pattern Design Software (PDS) offers an extensive range of tools, features, and functionality required to create and modify digital patterns. With a smart and flexible integrated 2D/3D platform, PDS is also compatible with standard hardware and software formats. The easy-to-use software includes a wide variety of tools for patternmakers and tech designers, such as sizing, static and in-motion fit analysis, photorealistic rendering, and more.

The Art of Precise Pattern Making

Comprehensive Tools for Accurate Pattern Creation and Validation

- Effortlessly create, modify, and refine pattern pieces to achieve the desired garment design

- Validate patterns to ensure they are accurate, consistent, and production-ready

- Create diverse size ranges via innovative grading tools to ensure consistent fit across various garment sizes

- Link pattern pieces to a measurement chart for automated updates, and accurate grading

- Create and easily modify darts and pleats properties, such as modify size, position, and type, and toggle between open and closed with a single click, to enhance the accuracy, precision, and balance in pattern design

- Easily add seam allowance and notches to ensure that pattern pieces align correctly during assembly

- Manage multiple styles in a single PDS file

- Simulate digital garments in a single environment with dedicated toolsets for both 2D & 3D

- Reduce the number of physical samples by accelerating design iterations and improve fit accuracy via sustainable processes

- Use either standard digital fabric library or fabric testing unit for more accurate simulations

- Quickly identify various fit issues during the digital development process via 3D Fit Analysis

- Import realistic 3D trims, such as buckles, zippers, straps, and more, to finalize the digital garment

- Create 360° turntable view of digital garments

- Quickly and easily generate tech pack data, including all 2D & 3D technical aspects of a style that can be sent to PLM solutions

- Integrate with Optitex solutions, such as Marker, CutPlan, 3DDI, and O/Cloud, to ensure a seamless workflow, from digital product development to production

Communicate Seamlessly with Third-Party Solutions

- Designed to work with the widest variety of plotters, cutters, and digitizers

- Interoperability between other CAD systems in standard formats, such as DXF, AAMA, and ASTM

- Multiple 3D export options, such as OBJ, FBX, GLB, and glTF

- Connect to PLM via plugin integration or XML

Why Optitex?

Because Efficiency & Precision Matter

- ⭐ 30+ Years of Experience
- 🌐 Global Presence
- Support for Multiple Languages
- Comprehensive Product Suite
- 🤝 Robust Customer Support
- 🌱 Sustainability Focus