PLM Express:
Design and Simulation Product Matrix

CATIA Design Bundles

3D Core Mechanical Engineering | Advanced Mechanical Functionalities | From Design to Manufacturing | Cloud Collaboration | Onboarding & Support

Feature	Essential	Master	Elite
	$7,229 /year	$9,230 /year	$14,926 /year
Part and Assembly Design to Create Advanced Mechanical Products and Parts, from Conceptual to Detailed Phases	✓	✓	✓
Generative Sketch Constraints (AI)	✓	✓	✓
Functional Design and Advanced Feature-based Approach	✓	✓	✓
Direct Modeling Technology	✓	✓	✓
Update Strategies at Part/Feature Levels	✓	✓	✓
Quickly Design Generative Shapes with Wireframe or Surfacic Components	✓	✓	✓
Design of complex mechanisms to manage their movement	-	-	✓
AI-Driven Generative Functional Surfaces (Mechanical Interfaces)	-	-	✓

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3D Core Mechanical Engineering | **Advanced Mechanical Functionalities** | From Design to Manufacturing | Cloud Collaboration | Onboarding & Support

Feature	Essential	Master	Elite
	$7,229 /year	$9,230 /year	$14,926 /year
Planning Engine and Predictive AI capabilities	✓	✓	-
Knowledge Design, Automation and Knowledge Assistance	✓	✓	✓
Full Definition of 3D Tolerances & Annotations, Filter and Review Dimensions, Tolerances and 3D Annotations and Associative Drawing Generation	-	✓	✓
Generative 3D Tolerancing	-	✓	✓
Static Simulation to Predict the Structural Behavior of the Mechanical Assembly Under Loads	-	✓	✓
Human-centric Design Approach	-	✓	✓
Freestyle Shape for Complex Surface Design & Analysis	-	-	✓
Mechanical Surface Refinement for High-Quality Shapes	-	-	✓
Generative Shape Develop to Apply Text on a Shape	-	-	✓
Virtual-to-Real Shape Morphing to Optimize Shapes According to Load Conditions or Tooling	-	-	✓
Digitized Shape Preparation to Manage Point Cloud for Reverse Engineering	-	-	✓
Generative Shape Morphing to Accelerate Complex Tasks on Surface Models	-	-	✓
Clean CAD Models via Shape Healing	-	-	✓

3D Core Mechanical Engineering | Advanced Mechanical Functionalities | **From Design to Manufacturing** | Cloud Collaboration | Onboarding & Support

Feature	Essential	Master	Elite
	$7,229 /year	$9,230 /year	$14,926 /year
Multi-discipline Product Engineering Definition Management	✓	✓	✓
Integrated CAD & BOM Management on a Single, Unified Product Structure	✓	✓	✓
Real-time Integrated Deliverable Based Planning with Product Development Data	✓	✓	✓
3D Mock-Up Review	✓	✓	✓
Streamline Sheet Metal Design & Manufacturing	✓	✓	✓
Multi-discipline Engineering Definition Lifecycle management	✓	✓	✓
Product Structure Navigation & Cross Highlighting	✓	✓	✓

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3D Core Mechanical Engineering | Advanced Mechanical Functionalities | From Design to Manufacturing | **Cloud Collaboration** | Onboarding & Support

Feature	Essential	Master	Elite
	$7,229 /year	$9,230 /year	$14,926 /year
3DEXPERIENCE Platform Social & Structured Collaboration Foundations	✓	✓	✓
Business Process Workflow Execution	✓	✓	✓
Web Based 3D Data Visualization	✓	✓	✓
Browser-based 3D Visualization and Geometric Analysis Tools	✓	✓	✓

3D Core Mechanical Engineering | Advanced Mechanical Functionalities | From Design to Manufacturing | Cloud Collaboration | **Onboarding & Support**

Feature	Essential	Master	Elite
	$7,229 /year	$9,230 /year	$14,926 /year
Select your onboarding partner at checkout	✓	✓	✓
Ongoing online learning and support	✓	✓	✓
Access to dedicated user and support communities	✓	✓	✓

CATIA and SIMULIA Design and Simulation Bundles

3D Mechanical Engineering | From Design to Manufacturing | Simulation Capabilities | Productivity & Optimization | Cloud Collaboration & Compute

Feature	Essential	Master	Elite
	$11,188 /year	$16,844 /year	$28,986 /year
Part and Assembly Design to Create Advanced Mechanical Products and Parts, from Conceptual to Detailed Phases	✓	✓	✓
Generative Sketch Constraints (AI)	✓	✓	✓
Functional Design and Advanced Feature-based Approach	✓	✓	✓
Direct Modeling Technology	✓	✓	✓
Update Strategies at Part/Feature Levels	✓	✓	✓
Quickly Design Generative Shapes with Wireframe or Surfacic Components	✓	✓	✓
Design of Complex Mechanisms to Manage Their Movement	–	✓	✓
AI-Driven Generative Functional Surfaces (Mechanical Interfaces)	–	–	✓

3D Mechanical Engineering | **From Design to Manufacturing** | Simulation Capabilities | Productivity & Optimization | Cloud Collaboration & Compute

Feature	Essential	Master	Elite
	$11,188 /year	$16,844 /year	$28,986 /year
Multi-discipline Product Engineering Definition Management	✓	✓	✓
Integrated CAD & BOM Management on a Single, Unified Product Structure	✓	✓	✓
Real-time Integrated Deliverable Based Planning with Product Development Data	✓	✓	✓
3D Mock-Up Review	✓	✓	✓
Streamline Sheet Metal Design & Manufacturing	✓	✓	✓
Multi-discipline Engineering Definition Lifecycle Management	✓	✓	✓
Product Structure Navigation & Cross Highlighting	✓	✓	✓

3D Mechanical Engineering | From Design to Manufacturing | **Simulation Capabilities** | Productivity & Optimization | Cloud Collaboration & Compute

Feature	Essential	Master	Elite
	$11,188 /year	$16,844 /year	$28,986 /year
Linear structural behavior analysis with Abaqus Solvers	✓	✓	✓
Linear dynamics analysis: frequency, buckling with ABAQUS solver	✓	✓	✓
Flexible parametrization and automation	✓	✓	✓
Results Analytics	✓	✓	✓
Thermal simulation (steady state)	✓	✓	✓
Thermal advanced (transient, coupled with stress) simulation	–	✓	✓
Nonlinear static structural analysis with ABAQUS solver	–	✓	✓
Geometry idealization for advanced studies	–	✓	✓
Nonlinear dynamic simulation: crash, impact, drop	–	–	✓
Combined thermal, electrochemical and structural simulation	–	–	✓
Fatigue and product life perdition			✓
Material parameter calibration			✓

Feature	Essential	Master	Elite
	$11,188 /year	$16,844 /year	$28,986 /year
Unified Modeling and Simulation (MODSIM)	✓	✓	✓
Create Simulation Models from CAD	✓	✓	✓
Productivity Boost with Engineering Templates	✓	✓	✓
Flexible Parameterization and Automation	✓	✓	✓
Parametric Design Studies	✓	✓	✓
Define Constraints and Targets	✓	✓	✓
Advanced Parametric Studies	–	✓	✓
Requirements and Test Case Management	–	✓	✓
Design Validation with Minimal Computational Resources	–	✓	✓
Reusable test methods with linked evidence	–	✓	✓
Simulation templates for web-based dashboards	–	–	✓
Process automation and integration of multiple simulation scenarios	–	–	✓
Performance trade-off study of complex (multi-objective) what-ifs scenarios	–	–	✓

Feature	Essential	Master	Elite
	$11,188 /year	$16,844 /year	$28,986 /year
3DEXPERIENCE Platform Social & Structured Collaboration Foundations	✓	✓	✓
Business Process Workflow Execution	✓	✓	✓
Web-Based 3D Data Visualization	✓	✓	✓
Browser-based 3D Visualization and Geometric Analysis Tools	✓	✓	✓
Perform Linear Analysis with Abaqus-solvers on 4 Cores on Cloud or Locally	✓	–	–
Perform advanced simulation with Abaqus-solvers on 8 Cores on Cloud or Locally	–	✓	✓
Management of simulation and test cases with traceable projects and tasks	–	✓	✓
Web Based simulation execution from a dashboard for non-expert users	–	–	✓
Drag-and-drop process building to automate complex simulation execution	–	–	✓

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