

Mathcad Capabilities and Packages

Choosing the right Mathcad edition starts with understanding how your team creates, reviews, and reuses engineering calculations. This data sheet summarizes the capability differences between **PTC Mathcad Express** and **PTC Mathcad Prime**, so you can quickly identify what's included in the free, limited-functionality experience versus the full-featured engineering mathematics environment.

Use the comparison below to align the right edition to your workflow today and to scale into standardized, shareable calculation documentation as your requirements grow.

Capabilities	PTC Mathcad Express	PTC Mathcad Prime (Full License)
Required PTC Watermark & Marketing Start Page	✓	
Write Equations with Natural Math Notation	✓	✓
Algebra and Trigonometry Operators & Functions	✓	✓
Unit Support	✓	✓
Excel Component		✓
Standardize Engineering Processes with Templates		✓
Programming		✓
Solve Systems of Linear & Non-Linear Equations		✓
Evaluate Expressions Symbolically		✓
Design of Experiments & Differential Equations		✓

Capabilities	PTC Mathcad Express	PTC Mathcad Prime (Full License)
Fourier Transforms & Signal Processing		✓
Regression, Statistic & Data Analysis		✓
Basic Plots: X-Y	✓	✓
Advanced Plots: Polar, Contour, 3D		✓
Basic Combo-box Input Control		✓
Advanced Scripted Controls (Python, VBScript, JScript)		✓

Next Steps with Mathcad

Mathcad Express is a useful starting point for basic engineering math, but most teams outgrow limited functionality when calculations must be reviewed, reused, standardized, or shared across projects and stakeholders. With Mathcad Prime, organizations gain a full-featured environment for creating clear, defensible engineering

worksheets that support consistent methods and faster collaboration.

Ready to choose the right edition? Contact EAC for a brief discussion to review your use cases and requirements. We'll recommend the best-fit Mathcad option and next steps.

Next Step: Receive Your Recommendation

