



EngView Systems

A SIRMA GROUP COMPANY

AWARD-WINNING
CAD/CAM SOFTWARE
FOR PACKAGING

*Design a
New World*

EngView Package Designer Suite

VERSION 4

business partner of
HEIDELBERG



Easy to Learn & Easy to Use

Responsive & Reliable

Creative & Powerful

EngView Package Designer Suite

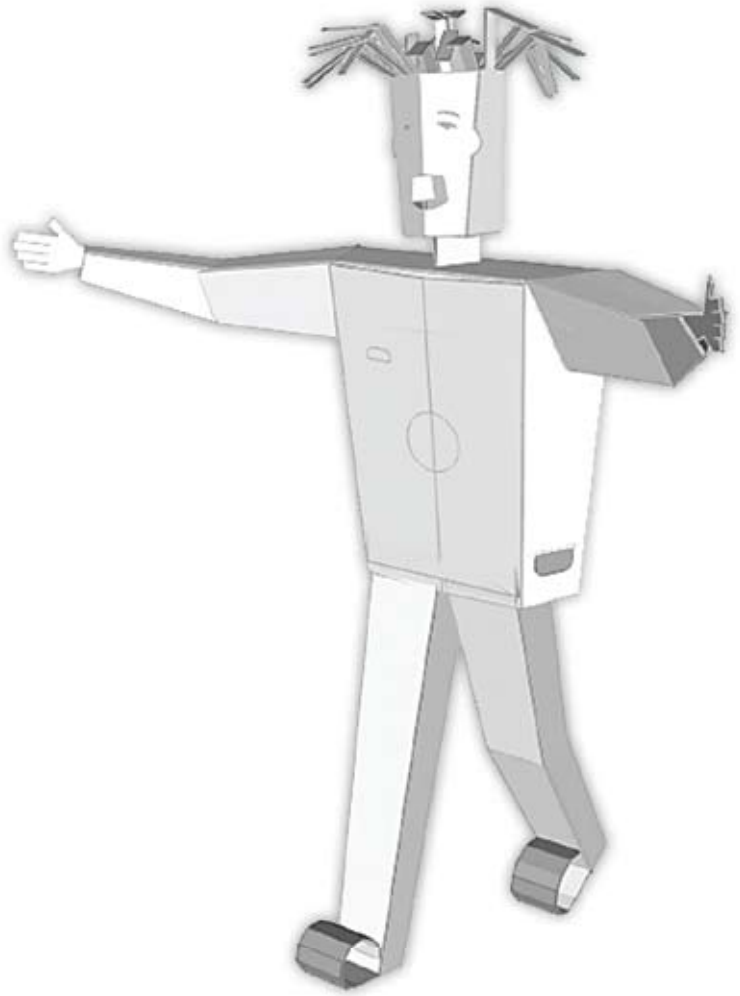
EngView Package Designer Suite is an integrated CAD/CAM environment for structural design and prototyping of folding carton and corrugated packaging. It is a set of functional modules supporting the entire design process - from concepts, to samples, to converting tools.

Specific module bundles correspond to the needs of different packaging professionals and companies.

The award-winning parametric design technology - EngView Synergy - enables the creation of custom libraries of resizable designs and components. It increases quality and efficiency through reuse.

A new Product Data Management system-EngView Project Organizer-facilitates workflow and improves the management of customer and project information.

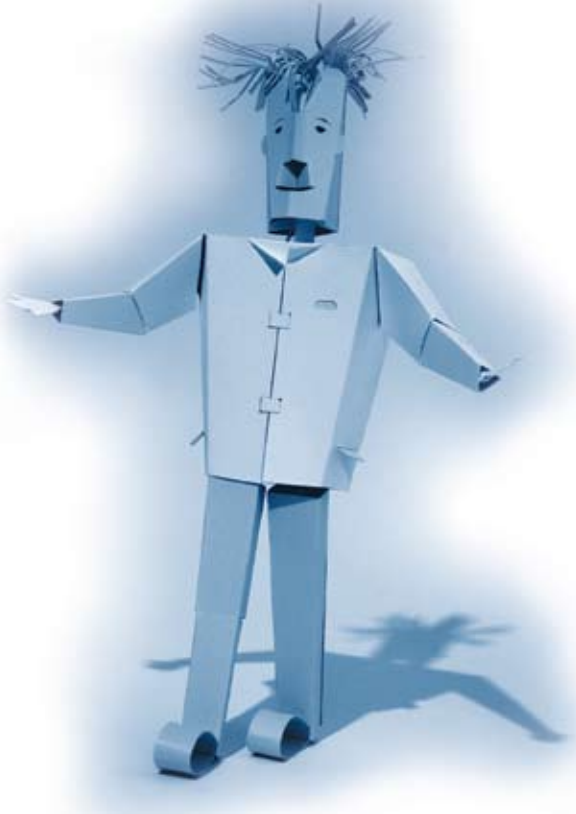
EngView software is established worldwide. It is widely recognized as the easiest to learn and use product- backed by reliable and responsive customer support.



Highlights of Version 4

- » Major improvements of all modules for greater integration, flexibility and effectiveness
- » Integrated 3D Presenter module with support for folding sequence definition
- » Extended Design Library with integrated 3D presentations and better indexing
- » New Fix Tools feature for recovery and correction of imported vector files
- » Live Parametric Components for adjustment of sizes throughout the design process
- » Layout templates for quick and optimum placement of one-ups on the sheet
- » New Varnish module for quick design and plotter cutout of rubber varnish plates
- » New machine visualization and job estimation in the CAM module
- » New Project Organizer PDM system for management of customer and project information
- » Additional import/export formats: .PDF, .HPGL, .DWG

EngView Package Designer



EngView Package Designer is an advanced CAD/CAM system for structural design of folding carton and corrugated packaging. It is tailored to the needs of professional designers with specific focus on ease of use, flexibility and power.

A full set of intuitive drafting tools and transformations, specially configured for packaging design, enables designers to solve any task with as few operations as possible.

A comprehensive library of more than 800 ready-to-use parametric designs (including ECMA and FEFCO) provides for a quick and easy creation of standard packaging. Live parametric components from the library can be used by drag & drop to greatly reduce drafting time and ensure quality.

3D visualization assists with verification of structure, correct placement of graphics, and folding sequencing. Virtual models can be sent to customers for review and approval.

Definition of optimal sheet layouts with minimum waste is supported through a step-by-step wizard and tools for manual part alignment.

The CAM module facilitates manufacturing of real samples and short production runs. It can drive any cutting & creasing plotter with full control over tool-path parameters.

EngView Package Designer Lite

This bundle is best suited for start-ups, budget-oriented companies, advertising agencies and design studios. Its low learning curve is ideal for designers who want to complement their graphics software with a CAD system for better structural design.



Library of Resizable Designs



Drafting with Parametric Components

EngView Package Designer Standard

This bundle is for structural designers. It includes functionality for the complete structural design cycle from one-up design and virtual prototyping to sheet layout.



Library of Resizable Designs



Drafting with Parametric Components



3D Presenter



Sheet Layout

EngView Package Designer & Samplemaker

This bundle is for structural designers equipped with a samplmaking plotter. It includes all functionality of the Standard bundle plus the CAM module.



Library of Resizable Designs



Drafting with Parametric Components



3D Presenter



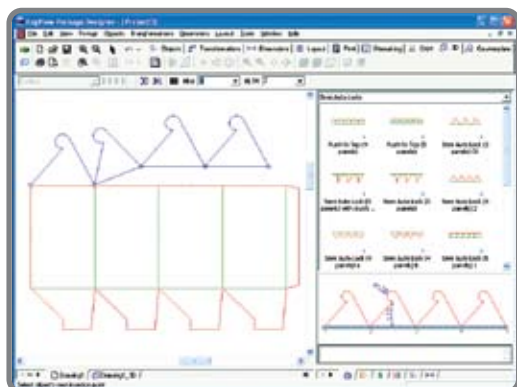
Sheet Layout



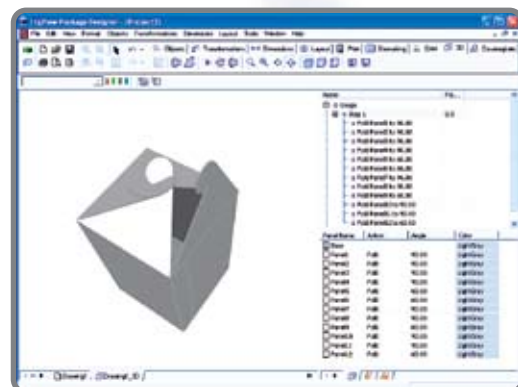
CAM

Features & Benefits

» Library of Resizable Designs	» For quick design of quality standard packaging and a basis for creative designs
» Full Set of Geometric Objects, Transformations and Dimensioning Tools	» For easy and flexible drafting with the ability to quickly change design elements to ensure structural integrity
» Intelligent Drafting Assistant	» For automatic detection of geometric relations and snapping to control points
» Measuring Tools	» For quick check of actual sizes and convenient dimensioning of the design
» Parametric Component Drag & Drop	» For significantly improved productivity and quality of design
» Live Parametric Components	» For instantly changing component dimensions at any stage of the design process
» Graphics Import/Export formats: .BMP, .JPG, .PNG, .GIF, .TIFF, .WMF)	» For verification of graphics placement, exporting structural designs to graphical programs and for generation of 3D models
» Structure Import/Export formats: .DXF, .DDE, .CFF, .EPS, .AI, .PDF, .N, .HPGL, .DWG	» For seamless integration with the graphics design and diemaking workflow
» Design Frame Printing	» For presentation and documentation of the whole design and its parameters
» 3D Snapshots	» For creating folding sequence instructions and 3D previews from different viewpoints
» Folding Sequence in 3D	» For verification of structural and graphics design with animated folding sequence and generation of Internet-compatible 3D models for customer review
» Fix Tools Wizard	» For recovery and correction of imported vector files
» Sheet Layout	» For creation of optimized sheet layouts with minimum waste
» Samplmaking CAM	» For optimized NC code generation for samplmaking plotters of all makes and models



Attaching a Semi-auto lock parametric component to the base



Defining the folding sequence



EngView Package Designer & Diemaker



EngView Package Designer & Diemaker is for design and manufacturing of steel-rule dies and related tooling. It supports diemaking professionals through the entire process: one-up design, optimum layout, dieboard design with rule placement, counterplates and stripping dies.

This bundle is best suited for diemaking companies working with cutting lasers, waterjet and rule bending machines. It is also useful with jigsaws and manual rule bending. The CAM toolpath generation is optimized to significantly save machine time.

Included Modules



Library of Resizable Designs



Drafting with Parametric Components



Sheet Layout



Cost Estimator



CAM



Dieboard Design



Counterplate Design



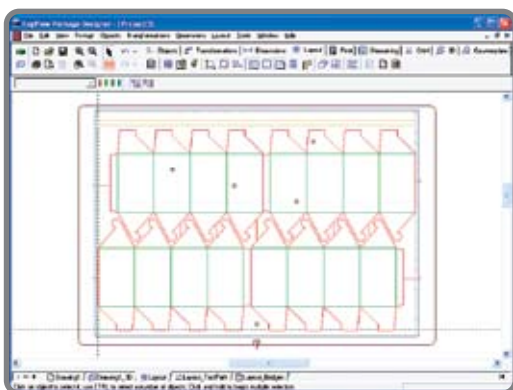
Stripping Dies Design



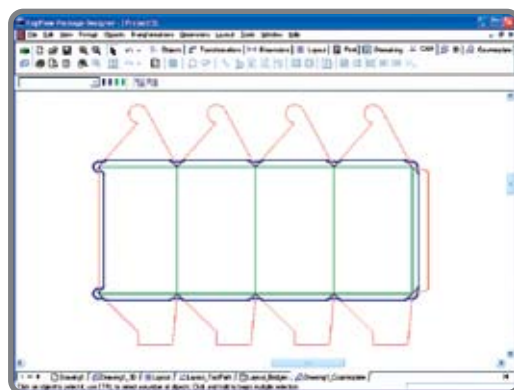
Rule Processing

Features & Benefits

» Dieboard Design	» Supports the design of the dieboard with bridges, stripping and balancing rules.
» Stripping Die Design	» Enables the design of male and female wood-block, push-pin and Strip-Clip stripping dies.
» Rule Processing	» Generates a technological map of all cutting, creasing and other rules on the dieboard.
» Counterplate Design	» Enables the design and production of pertinax counterplates.
» Cost Estimator	» Calculates cost models in accordance to user-defined rules



Designing the dieboard stripping & balancing rules



Designing the counterplate toolpaths

EngView Library Creator



EngView Library Creator is for designers of custom libraries of resizable designs and parametric components. It includes the award-winning EngView Synergy technology for variational and parametric design.

Considered to be the most powerful on the market today, EngView Synergy enables advanced designers to unleash their creativity and make their designs reusable by others.

Companies benefit from the accumulation of resizable designs customized to the needs of their clients. This leads to a great increase in efficiency while ensuring high quality of production design.

The process comprises two stages: the creation of parametric components and the assembly of components into complete resizable designs by simple drag & drop.

All resizable designs and components

can be used directly in EngView Package Designer. A library of ready-to-use parametric components is included.

EngView Library Creator also contains the 3D Presenter module to enable generation of virtual models with folding sequence as part of each custom resizable design.



Included Modules



EngView Synergy



3D Presenter

Features & Benefits

» Variational & Parametric Design of Resizable Components

» Saving hundreds of hours of design time by reuse of each component

» Compound Components

» To enable creation of complete parts (like locks, tops, bottoms) for inclusion in resizable designs or for direct use in production drafting

» Assembly of Resizable Designs with Components

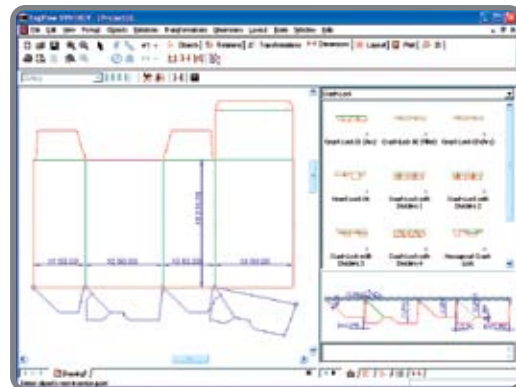
» For creating custom libraries of designs tailored to different customer needs

» 3D Models

» For preview of resizable designs and definition of folding sequences



Creation of a single parametric component



Assembling of a complete design with parametric components

EngView Project Organizer



EngView Project Organizer is a new addition to the EngView Package Designer Suite. It is a Product Data Management system that maintains a database of all files, documents, orders and communication related to customer projects. It is a simple to set up and easy to use solution for companies without a PDM system.

EngView Project Organizer is seamlessly integrated with EngView Package Designer.

Every authorized user within the company network can access and update information for current or archived projects. A number of detailed reports provide for timely and effective decision making. Predefined e-mail templates facilitate communication with customers.

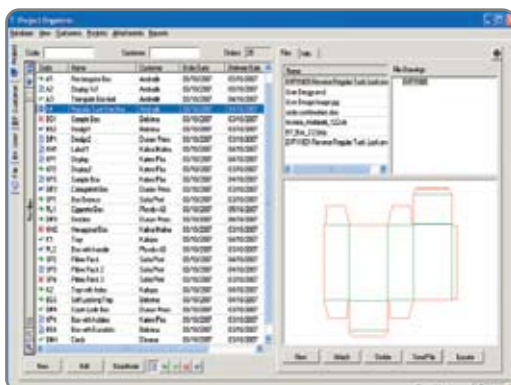
Included Modules



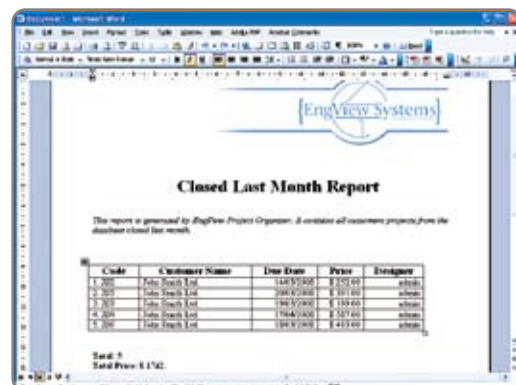
EngView
Project
Organizer

Features & Benefits

» Seamless CAD Integration	» For automatic saving of all work related to a customer order and using CAD data for business purposes
» User Authentication	» For control of workflow rights at all levels- from front desk to management
» Customer and Project Database	» For management of all order data and work files in one centralized location
» Integrated Communication	» For easy exchange and tracking of all messages with customers
» Customizable Reports	» For complete analysis and decision making information



Viewing a design as part of a customer order



Generating a report

EngView Package Designer Ultimate

The EngView Package Designer Ultimate bundle consists of all modules from EngView Package Designer & Samplemaker, EngView Library Creator and EngView Project Organizer. It also includes the Cost Estimator and Varnish Blanket modules. The Ultimate bundle provides full support of the design process with creation of custom design libraries.

It is best suited for large packaging companies with advanced design departments. EngView Ultimate is usually installed on one or more workstations within a multiple station setup of EngView Package Designer on the company network.



Included Modules



Library of Resizable Designs



Drafting with Parametric Components



3D Presenter



Sheet Layout



Cost Estimator



CAM



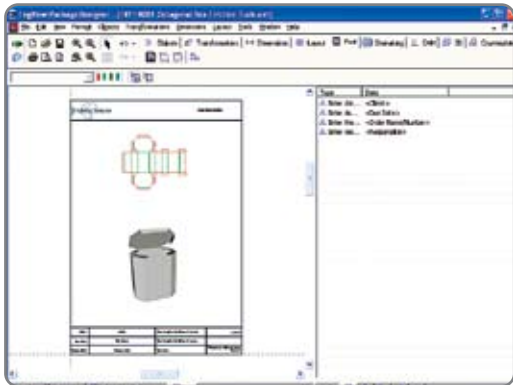
Varnish Blanket Design



EngView Project Organizer



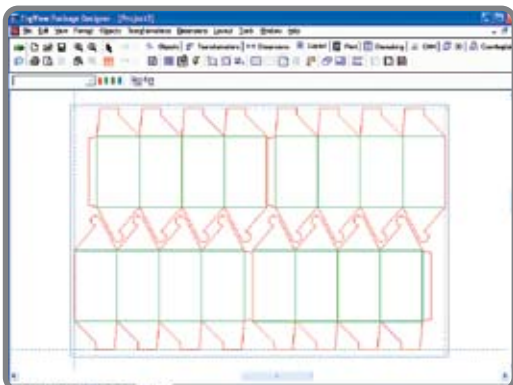
EngView Synergy



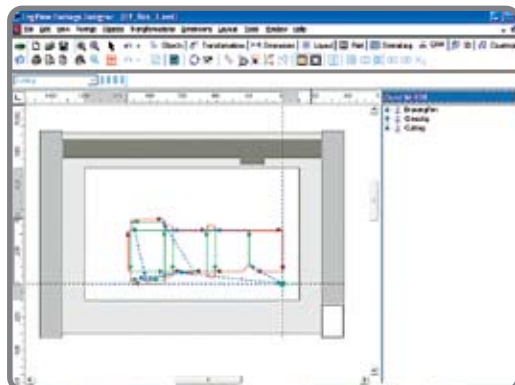
Generating a design frame with 2D and 3D views



Viewing a 3D model with graphics overlay



Placing of one-ups on the print sheet
















Previewing the toolpath before cutting a sample

EngView Package Designer Configurations



Any combination of modules can be ordered. Specific product bundles correspond to the needs of different packaging professionals and companies.

Modules		Bundles					
		Lite	Standard	Samplemaker	Diemaker	Library Creator	Ultimate
	Library of Resizable Designs A comprehensive library of 800+ resizable folding carton and corrugated packaging designs, including ECMA and FEFCO	✓	✓	✓	✓		✓
	Drafting with Parametric Components Provides full 2D CAD functionality for one-up structural design - geometric objects, transformations, dimensioning and import/export of design frames	✓	✓	✓	✓		✓
	3D Presenter A 3D viewing and folding system for structural & graphics design verification, definition of animated folding sequence and generation of Internet-compatible models for customer review		✓	✓		✓	✓
	Sheet Layout Enables the creation of optimized sheet layouts with minimum waste		✓	✓	✓		✓
	Cost Estimator Calculates cost models in accordance with user-defined rules. Different cost models can be developed for serving different customers or types of projects				✓		✓
	CAM Generates optimized NC code for cutting & creasing plotters. All makes and models of plotters are supported			✓	✓		✓
	Varnish Blanket Design Supports the design of rubber varnish blankets for plotter cutout						✓
	Diebord Design Supports the design of dieboards with bridges, stripping and balancing rules				✓		
	Counterplate Design Enables the design and production of pertinax counterplates				✓		
	Stripping Dies Design Enables the design of male and female stripping dies with wood-block, push-pin and Strip-Clip				✓		
	Rule Processing Generates a technological map of all cutting, creasing and other rules on the dieboard				✓		
	EngView Project Organizer Facilitates workflow and improves the management of customer and project information						✓
	EngView Synergy Enables creation and editing of simple and composite parametric components and the assembly and editing of resizable designs by drag & drop of parametric components					✓	✓

Reasons to Choose EngView

- » Most Innovative Software
- » Long-Term Commitment
- » Dedicated People
- » Outstanding Support
- » Customer Involvement
- » Unique Technology
- » Modular Products
- » Easy-To-Use Interface
- » Design Power & Flexibility
- » Quick Setup & Training

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About EngView Systems

EngView Systems has over ten years of experience in the area of advanced CAD/CAM systems with applications in the packaging, gasket, aluminum extrusion and measurement industries.

EngView's mission is to deliver a new level of customer value through innovative software.

With offices in Sofia, Bulgaria, Montreal, Canada and Sao Paulo, Brazil and a network of value-added resellers on all continents, EngView is dedicated to providing outstanding support to its customers and partners.



EngView Systems is a
Sirma Group Company



For information requests, please e-mail to info@engview.com



Contacts

EngView Systems Corp.

5890 Monkland Ave., Suite 203
Montreal, Quebec,
Canada H4A 1G2

Tel: +1-514-343-0290
Fax: +1-514-343-0143

EngView Systems Sofia Ltd.

Office Express IT Center, 5th Floor
135 Tzarigradsko Shosse Blvd.
1784 Sofia, Bulgaria

Tel: +359-2-9768-312
Fax: +359-2-9768-314

EngView Sistemas Latin America Ltda.

Rua Agostinho Gomes, 1371 / 1377
04206-000 Sao Paulo, SP,
Brazil

Tel/Fax: +55-11-6914-4411

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EngView Products are designed for Microsoft Windows Vista, XP, 2000, NT, 98

Minimum Configuration: Intel Pentium 300 MHz, 512MB RAM / 5.0 GB HDD / 1024 x 768 Display