MaxLoad® Pro is a cargo load planning, optimization and diagramming software. It determines the "how to" of loading mixed size products onto trucks, containers, sea vans and rail cars.

With the increased emphasis placed on streamlining the supply chain, companies are looking for ways to reduce shipping and transportation costs. MaxLoad® Pro provides proven software solutions to optimize loading space, improve efficiency, reduce the use of transit vehicles and cut overall freight costs. These benefits result in quick returns on investment and make MaxLoad® Pro an indispensable tool for companies involved in any form of shipping.

MaxLoad® Pro uses intelligent algorithms and extensive stacking rules to optimize loads. It will place items in the transit vehicles after taking into consideration the following:

- Should items be stacked among one another for stability and to minimize damage?
- Should items be placed on floor?
- Should items be loaded per order or stop off?
- Should items be loaded in a defined ratio?
- Should there be a maximum allowable stack height?
- Should items be floor loaded or in unitloads?
- Should loose items be placed on a mixed pallet?

Users will see an increase in cube yield, resulting in shipping 8-20% fewer truckloads or containers per year. It takes the guess work out of load planning by outputting exact load plan diagrams prior to each shipment.

Benefits
MaxLoad® Pro determines your cargo load plan, optimizes loads, helps reduce transportation costs and cuts carbon emissions.

Use MaxLoad® Pro to:
- Optimize loading space and increase cube yield.
- Use 8-20% fewer truckloads, cut freight and fuel costs.
- Take the guess work out of load planning by having exact calculations prior to each shipment and minimize costly errors.
- Cut loading time with step-by-step load instructions and diagrams.
- Prepare optimal plan for multi-stops and priority loading.
- Use extensive stacking rules and configurations to optimize loads and minimize damage during transit.
- Enhance communication among departments and with customers by sharing centrally stored shipment data.
- Simplify customer compliance by adhering to customer specific shipping requirements and loading rules.

Increase the Bottom Line with MaxLoad® Pro
MaxLoad® Pro is the world’s best cargo load planning, optimization and diagramming software. There are over 3,000 installations worldwide, including licenses for major companies in the food & beverage, home furnishing, retailing, appliance, technology and pharmaceutical sectors.

The best software comes with the best customer service and support in the industry. TOPS® has a dedicated in-house team and worldwide distributors providing prompt support and training to ensure quick returns for your investment.

TOPS® owns all of its products’ source code which allows full customization to integrate TOPS® applications with your existing enterprise solutions.
Support Various Load Types
- Single SKU Loads - Calculate full container loads of single-size products as floor loads or pallet loads.
- Mixed SKU Pallet Loads - Optimally create multi-product pallets with the option to be saved as a SKU item.
- Tote Loads - Calculate the best tote or shipcase for an order of mixed small items.
- Truck Loads - The most versatile loading of multiple products into multiple transit vehicles.

Load Optimization
- Customizable stacking and loading rules.
- Multiple stops and delivery priority loading.
- Direct floor loads, totes, unitloads and mixed pallets in the same container.
- Load cylindrical items in cascading or pyramidal groups.
- Support L-shape SKUs like sofas and chairs.
- Automatically convert case quantities into full-pallets and mixed-pallet loads.
- Find best container to use for the order.
- Easy step-by-step instructions for loading the container.
- Costing calculations.

Efficient and Flexible Loading Algorithms
- SKU loading rules such as orientation, floor load or top layer only, maximum stack height, etc.
- Calculate axle weight and show center of gravity.
- User-defined stack matrix for each product in relation to other SKUs during loading.
- Load according to stop offs, priorities or keep SKUs in the same order together.
- Smart pallet placement to secure more stable loads.
- Load SKUs in set ratio.

Powerful yet Easy to Use
- True “3D Click, Drag and Drop” load editor allows easy manual adjustments to load solutions.
- 3D, color-coded graphical display for all SKUs, loads and step-by-step loading reports.
- Support over 10 languages with language editor to modify text strings for customization.
- Change language on the fly, including Simplified and Traditional Chinese, Japanese, Spanish, French, Italian, Portuguese, German and Dutch.
- Display values in Metric or English systems.
- Easy to interpret solution statistics: % cube, % weight, cut list count and load placements.
- System defaults for preferred settings in vehicle types, dimensions, measurement units and languages.
- Dispatch reports directly via e-mail using your existing email client or output to PDF files.

Multiple Reports and Printouts
- 3D graphical views of load plans, step-by-step loading diagrams and comprehensive summary reports.
- Add annotations, graphics, company logo, etc.
- Several costing calculations provide estimates and quotes.

Extensive Vehicle Type Support
- Select from a variety of trucks, containers, sea vans, railcars, flat-beds, side bay trucks and air freight containers.
- Define unloadable areas like wheel wells and corner boxes.

Network Support
- Network support for concurrent users with secure user login.
- Share analyses or keep them private per supervisor access setup.

How MaxLoad Pro Works

Define SKUs: Create or import SKU database, specify loading orientation and stack rules in relation to other SKUs.
Define Unitload Pallet Pattern: Select the desired pallet pattern for use with the SKU when loaded as unitloads.
Create PickList: Select load vehicles and SKUs to be shipped. Specify optimization algorithms like stop off, use of unitload, etc.
Powerful 3D Graphical Editor
The 3D editor in MaxLoad® Pro allows users to manually create a load from scratch or edit an existing solution to fine-tune custom placements.

- Quick buttons to step through placement of each individual item or placement group.
- Tool buttons to change SKU orientation.
  - Weight, cube, king pin and axle weight are updated as SKUs are added to or removed from the vehicle.
- Snap, zoom in/out, rotate transit vehicle to view load from different perspectives.
- Split view mode provides better visualization of load during edit.

Load Solutions: MaxLoad provides solutions within seconds, users can select the solution which best fits their needs.

3D Editor: Drag and drop SKUs in and out of the transit vehicle to create custom solutions.

Reports: Step-by-step color-coded load diagrams and lists can be shared via e-mail.
Enterprise Solution Integration
For enterprise wide deployment, MaxLoad® Pro is available in various configurations and integrates seamless load calculations into any ERP, WMS or routing products.

- ADO, SQL and Oracle server versions to integrate MaxLoad® with existing database servers.
- Black box server version to run in batch mode and automatically retrieve data from order file or shipment list, process data, calculate loads and export solutions.
- Easily integrates with WMS, order entry, AS400, TMS, Oracle, EDI and supply chain systems.

Customized Solutions
Every company and industry has specific needs. TOPS® has over 10 years of experience providing space optimization and loading solutions. It can help your organization create successful supply chain solutions, as companies in these industries:

- **Paper & Packaging** - Customize loading of paper rolls in specified configurations to ensure optimal weight distribution.
- **Beverage** - Create special pallets emphasizing stability and support side-load bay trucks.
- **Building materials** - Integrate fully with order system and implement custom loading under the Unix environment.
- **Water Heating, Air Conditioning** - Custom loading with special loading algorithms.
- **Office Furniture** - Interface with ordering system and use special loading rules for each order.

System Requirements

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<tr>
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<tbody>
<tr>
<td>Network</td>
<td>Any (only need a file server)</td>
</tr>
<tr>
<td>Processor</td>
<td>Pentium 400 MHz or faster</td>
</tr>
<tr>
<td>Hard Drive Space</td>
<td>100 MB minimum</td>
</tr>
<tr>
<td>RAM Required</td>
<td>256 MB, 512 MB recommended</td>
</tr>
<tr>
<td>Code</td>
<td>32-bit</td>
</tr>
<tr>
<td>Compiler</td>
<td>Microsoft Visual C++ 6.0</td>
</tr>
<tr>
<td>Database Format</td>
<td>Access, SQL, Oracle, ODBC</td>
</tr>
<tr>
<td>Interface</td>
<td>ASCII, comma delimited text files (csv), XML, COM, SQL</td>
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Software Maintenance and Support
TOPS® has an expert team to provide outstanding technical support and services. The annual support plan includes:

- Unlimited technical assistance.
- Free software upgrades during the one year subscription.
- Toll-free access (USA only) during TOPS® office hours
- One full day of free training set at customer’s convenience* or web based training.
- Access to TOPS® flash-based software tutorial series.
- Newsletters with the latest news and improvements in TOPS® software and tips on how to get the most out of your software investment.

*Travel & living expenses are responsibility of the customer

For more details, call 972-739-8677 or visit our web site at

www.topseng.com