

Welcome to the Balloon Calculator®!!

You have purchased the most sophisticated piece of software for the balloon industry.

The Balloon Calculator® program was designed to take the hassle out of bidding on jobs.

Because the Balloon Calculator® was written by a person in the balloon industry it has some unique features.

I wanted this program to help me in my daily tasks and to help me train my employees on how to accurately and quickly bid on a balloon decorating job.

We hope you will be very happy with the program.

Written by Gary Ledbetter
10/09/03

Installing the Balloon Calculator®

1. Insert the CD into the CD-ROM drive
2. Wait a few moments. If the install screen doesn't appear then go to step 3.
3. Open "My Computer" from the Windows desktop, double click on the icon for your CD-ROM drive and double click on the BALLOONCALCULATOR5.exe and the program will start installing.
4. Follow the instructions for installation.
5. You will have 10 days to use the program before it stops working
6. Obtain your Unlock code before the 10 days expires.
7. See **Registering the Program** on page 60.

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The Balloon Calculator[®] Introduction

Click on the **Balloon Calculator[®]** icon on your desktop and let's begin.

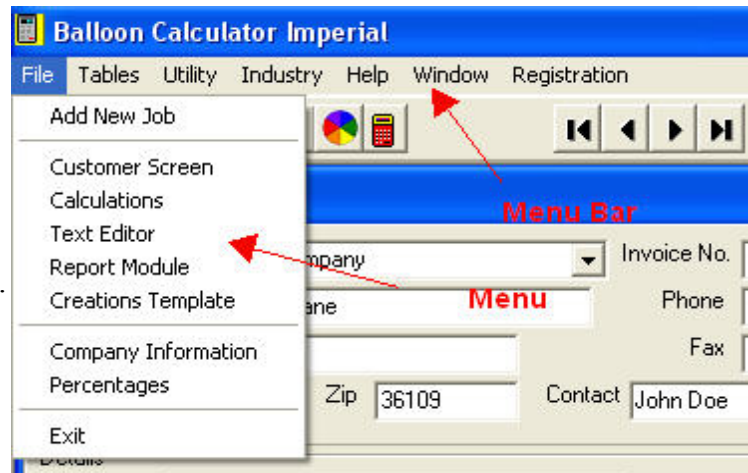
Once the program is up and running you can begin.

The Menu Bar

The Menu Bar contains the menu categories across the top of the screen.

Clicking on a category opens a drop down menu which contains a number of selections.

Click on a selection to activate it.



From here you can select “Add New Job” to begin a job.

When starting a new job it would be “Click on FILE\Add New Job”.

Getting Help

When you need help press the **F1** button and the help file will open to the location necessary to help you.

If you can not find the help you need you may check the **FAQ** file at www.dynamitemagicandballoons.com or send us an e-mail explaining the problem to gllmagic@aol.com or you can call Technical help at 334 270-1234 ask for Gary.

The Balloon Calculator[®] Introduction

Below are the speed buttons that allow you to make menu selections fast.



These buttons allow you to select menu items much quicker.

Speed Buttons

1. The Customer Screen
2. The Calculations Screen
3. Text Editor
4. Look Up Tables
5. Creations Template
6. Math Calculator
7. Color Wheel
8. Conversion Calculator

Navigator Bar

9. Moves you to the first job
10. Moves you back to the previous job
11. Moves you forward to the next job
12. Moves you to the last job

Edit Bar

13. Creates a new job
14. Deletes the current job
15. Indicates the current job is being edited
16. Saves the current job, click here when its blue to save changes
17. Cancels changes to the current job
18. Exits the program

The Balloon Calculator[®] Introduction

Note that the **Balloon Calculator[®]** does not start up with a new job. It opens showing an existing job.

Take a moment to familiarize yourself with the different sections of the **Balloon Calculator[®]** Customer job screen.

The screenshot shows the 'Customer' window of the Balloon Calculator software. The window is divided into several sections. At the top, there's a header bar with the title 'Customer'. Below it, the main area is divided into two columns. The left column contains customer information fields: Client (Gary Ledbetter), Address (2318 Sansone Road), City (Montgomery), State (AL), Zip (36109), and Contact (Susan Ledbetter). The right column contains invoice information: Invoice No. (001), Phone (334-270-1234), Fax (334-279-3801), and checkboxes for 'Completed' and 'Tax Exempt'. A 'Search' button is located next to the Fax field. Below the customer information, there's a 'Details' section with fields for Location (Montgomery Civic Center), Job Date (12/30/2002), Event Starts (5:00 PM), Event Ends (10:00 PM), and a 'Notes' text area. To the right of the 'Details' section, there's a 'Calendar' section showing a calendar for October 2003. The calendar has a red circle around the date 3. Below the calendar, there's a 'Quoted by' dropdown menu with 'Gary' selected, and an 'Advertisement' dropdown menu with 'Word of Mouth' selected. At the bottom of the window, there's a navigation bar with tabs: Details, Component, Est. Cost, Act. Cost, Sell Price, Price Analysis, and Other. The 'Details' tab is currently selected. A 'Close' button is located at the bottom right of the window. Numbered callouts 1 through 8 are placed over various elements: 1 points to the Client field, 2 points to the Search button, 3 points to the Reports button, 4 points to the Calendar, 5 points to the Event Starts field, 6 points to the navigation bar, 7 points to the 'Other' tab, and 8 points to the Close button.

Customer

Client: Gary Ledbetter Invoice No.: 001 Completed ☐ Tax Exempt ☐

Address: 2318 Sansone Road Phone: 334-270-1234

City: Montgomery Fax: 334-279-3801 Search

State: AL Zip: 36109 Contact: Susan Ledbetter

Details

Location: Montgomery Civic Center Phone: 000-555-1212

Job Date: 12/30/2002 DOE: 12/27/2002

Event Starts: 5:00 PM Arrive: 12/30/02 08:00 AM

Event Ends: 10:00 PM Strike: 12/31/02 09:30 AM

Notes: This is a sample job. So you can see how a job is put together. The prices are generic and the material and labor are not correct.

Calendar: October, 2003

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Today: 10/9/2003

Quoted by: Gary

Advertisement: Word of Mouth

Navigation: Details / Component / Est. Cost / Act. Cost / Sell Price / Price Analysis / Other /

Close

1. Customer information area.
2. Search button allows you to search for jobs.
3. Reports button allows you to print reports about the current job.
4. Handy calendar
5. Details area where you enter job information.
6. Navigation buttons
7. Screen tabs
8. Close button closes the window.

Moving around in the **Balloon Calculator[®]** is easy. Use the **TAB** key instead of the **ENTER** key or use the mouse to click to where you want to be.

Customer Screen

This is where the job starts.

The **Customer** screen is divided into two main areas - the Customer Information Area and the Job Details Area.

The screenshot shows the 'Customer' window with two main sections. The 'Customer Information Area' (top) includes fields for Client, Address, City, State, Zip, Contact, Invoice No., and checkboxes for 'Completed' and 'Tax Exempt'. The 'Job Details Area' (bottom) includes fields for Location, Job Date, Event Starts, Event Ends, Notes, Phone, and Strike. A 'Calendar' widget on the right shows the month of October 2003, with the 8th highlighted. A 'Today: 10/8/2003' label is also present. A 'Close' button is at the bottom right. A tabbed interface at the bottom shows 'Details' as the active tab, with other tabs like 'Component', 'Est. Cost', 'Act. Cost', 'Sell Price', 'Price Analysis', and 'Other'.

Customer Information Area

Information entered here is saved with the job, but can also be saved to your customer database. Once saved, that information can be used on other jobs.

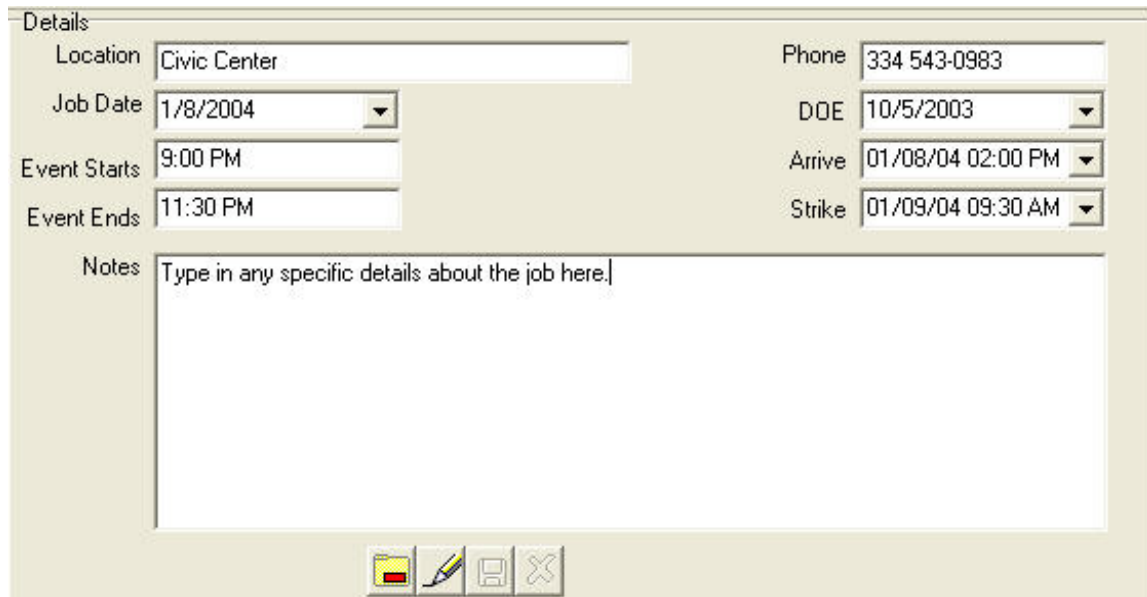
After saving the information, any changes made on this screen will not affect the customer database.

This screenshot shows the 'Customer Information Area' with sample data entered. The 'Client' is 'Budget Rental Company', 'Address' is '1234 Anywhere Lane', 'City' is 'Montgomery', 'State' is 'AL', 'Zip' is '36109', 'Contact' is 'John Doe', and 'Invoice No.' is '001'. The 'Phone' is '334 270-1234' and 'Fax' is '334 270-8570'. The 'Completed' and 'Tax Exempt' checkboxes are unchecked. A 'Search' button is located to the right of the 'Tax Exempt' checkbox.

Job Details Area

Here you can list the details for the job, not each component.

You can list event times, setup and tear down times. There is a memo field for notes about the job.



The screenshot shows a 'Details' form with the following fields:

Location	Civic Center	Phone	334 543-0983
Job Date	1/8/2004	DOE	10/5/2003
Event Starts	9:00 PM	Arrive	01/08/04 02:00 PM
Event Ends	11:30 PM	Strike	01/09/04 09:30 AM

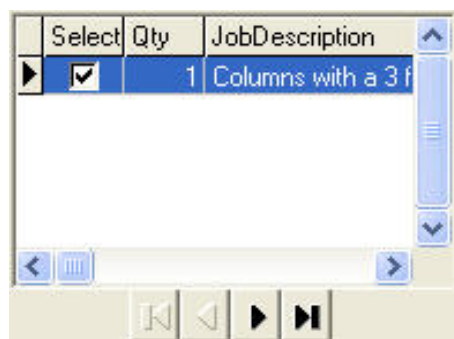
Notes: Type in any specific details about the job here.

At the bottom of the form are four icons: a folder, a pencil, a floppy disk, and a close button (X).

The Date fields can be entered by typing the date or using the arrow keys. You can click on the drop down arrows and select the date from a pop up calendar.

Selection Box

This box lets you select the component to make it current. You can also double click on a component to bring up the Image Viewer to add pictures to each component. This is explained on page 33.



The screenshot shows a 'Selection Box' with a table-like structure:

Select	Qty	JobDescription
<input checked="" type="checkbox"/>	1	Columns with a 3 f

Below the table are navigation buttons: a left arrow, a list icon, a right arrow, and a double right arrow. On the right side of the table is a vertical scrollbar.

Balloon Calculator® Job Tutorial

This is a sample job. This tutorial will take you through an actual job step by step.

FIRST

The job consists of 4 components and each component is priced separately.

SECOND

After calculating the number of balloons needed you will enter in the materials and labor. You will then use this information to generate a suggested selling price for each component.

THIRD

Once suggested selling price is established you will adjust the price to allow for perceived value.

FINALLY

You will be able to look at the job as a whole and see the selling price for the entire job.

NOTE:

If you change the percentages before entering in the tutorial the program will not reflect the screen shots that are in the tutorial. To get the tutorial to match the program you will have to reset your percentage to 30% Overhead, 25% Profit, and 9 % sales tax.

After you have completed the tutorial you need to set the percentages for overhead and profit, and sales tax for your business. This is described on page 31.

Customer Information

Customer name

Budget Rental Company
John Doe
1234 Anywhere Lane
Montgomery, AL 36108

Phone # 334 234-1234

Fax # 334 343-5643

Job Details

Job Location Civic Center

Phone # 334 543-098

Job date 01/08/04

Event starts 9:00 PM

Ends 11:30 PM

Arrive 01/08 /04 2:00 PM

Strike 01/09/04

9:30 AM

Notes Type in any job specific details here.

Quoted Type in your name here.

Advertise Type in "newspaper" here.

Components

1. Stage

2 - 4 cluster columns using balloons sized to 11" helium filled
8 ft tall with a 3 ft on top
Use red balloons

2. Entrance way

1 - 4 cluster arch using balloons sized to 11" helium filled
Arch is 12 ft wide 16 ft tall
Use red and white balloons

3. Tables

12 - single balloon arches bouncing from table to table balloons sized to 11" arch
Arches are 10 ft tall and 12 ft wide.
Use red and white balloons

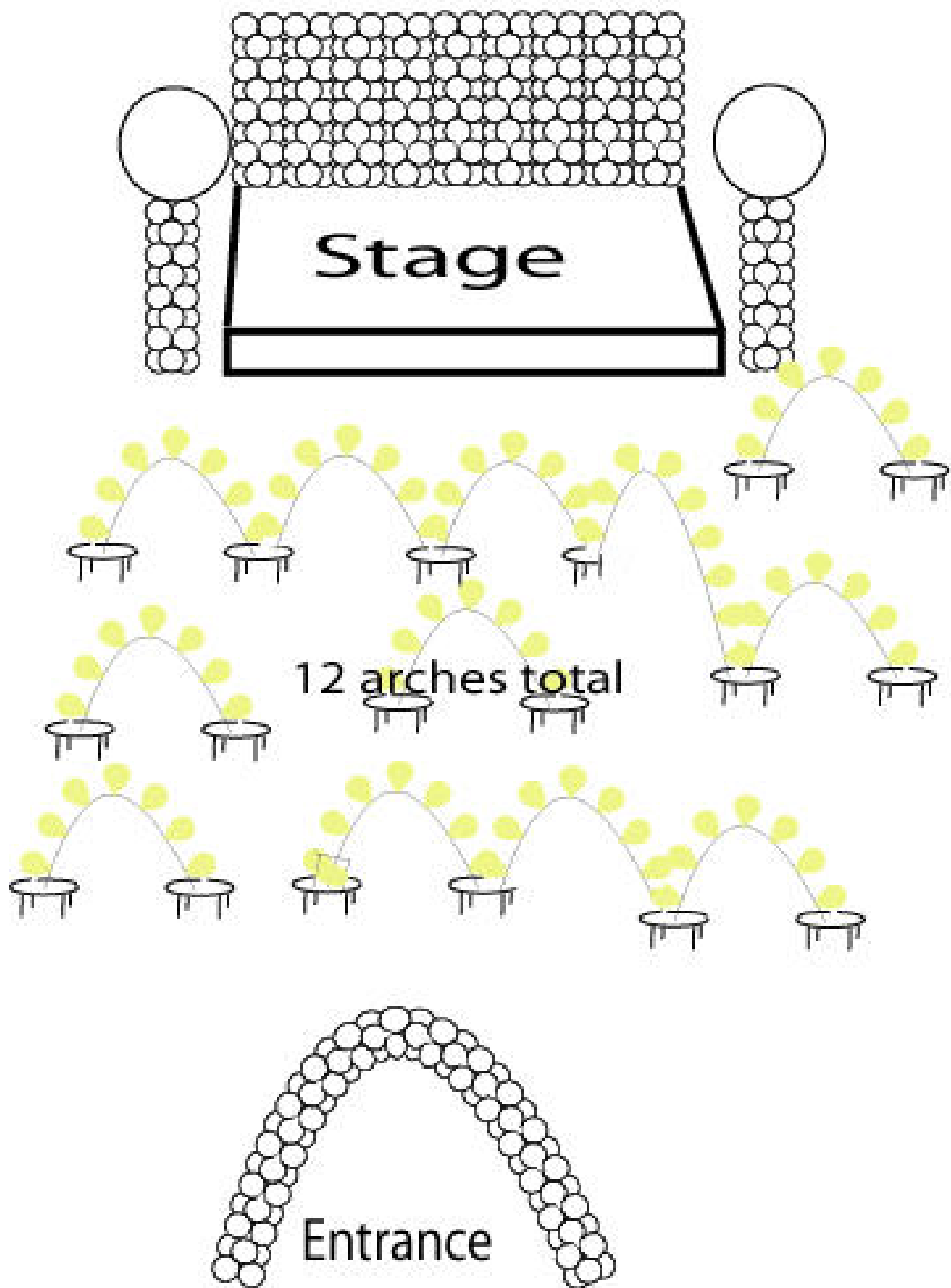
4. Behind Stage

Precision wall
16 ft wide and 8 ft tall.
Using 11" and 9" balloons sized to 10" and 8".
Air filled ruby red balloons.

Other charges to customer.

Hotel bill \$75.00

Travel fee \$25.00

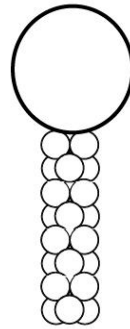


Pictures of each component are on the next page.

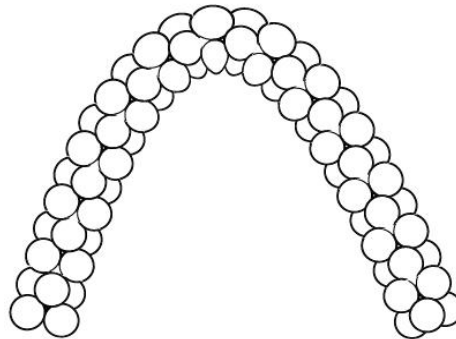
Drawings of each component

Drawings are not to scale.

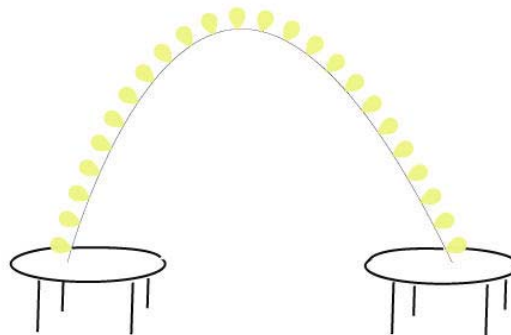
Component 1



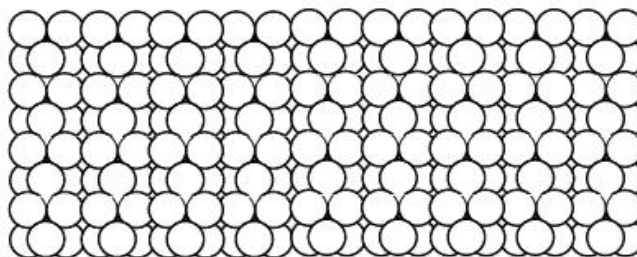
Component 2



Component 3



Component 4



NOTE

Drawing for component 4 does not show that the balloons alternate in size. The balloons are not the sized as shown.

How to start a new job.

Click on FILE/ADD NEW JOB

Type in the customer information. Click “Yes” with the mouse to add this customer to your database.

The screenshot shows the 'Balloon Calculator Imperial' software window. The 'Customer' form is active, with the 'Client' field set to 'Budget Rental Company'. Other fields for Address, City, State, Zip, Contact, Phone, and Fax are empty. The 'Details' section has 'Location' and 'Job Date' (a dropdown) empty, and 'Event Starts' and 'Event Ends' are also empty. A 'Notes' text area is at the bottom. An 'Information' dialog box is open in the center, displaying the message: 'The client is not in the list. Would you like to add it now?' with 'Yes' and 'No' buttons. In the background, a calendar for October 2003 is visible, with the 5th of the month circled in red. The software has a menu bar (File, Tables, Utility, Industry, Help, Window, Registration) and a toolbar with various icons. At the bottom, there is a tabbed interface with 'Details' selected.

Type in information about the job under the “Details” section.

TIPS

You can use your arrow keys to change the dates and times or you can type them in using the numeric keys.

You can click on the date boxes with the arrows to bring up a calendar and you can select a date by clicking on it.

Adding the first component.

We are going to calculate the cost of one column. This will only include the materials and labor costs for one column. We will change the quantity of columns on the **Sell Price** tab.

Click on the **Component** tab at the bottom of the screen.

Click “Add” button to add a new component.

In the Description of work box type “Columns with 3 ft balloon on top”.

Select **Garland – 4 balloon** in the component box to determine the number of balloons for the column.

Enter in 8 for the garland length and 11 for the size of the inflated balloon. Click on the “Balloons” button to calculate the number of balloons needed. You should get a total of 46 balloons one column.

Click the “Save” button

Your screen should look like this.

Customer

Client: Budget Rental Company Invoice No: 001 ☐ Completed
Address: 1234 Anywhere Lane Phone: 334 270-1234 ☐ Tax Exempt
City: Montgomery Fax: 334 270-8570 Search
State: AL Zip: 36109 Contact: John Doe

Component

☐ Arch - 1 balloon
☐ Arch - 4 balloon
☐ Arch - 5 balloon
☐ Mural - 2 balloon
☐ Mural - 4 balloon
☐ Garland - 2 balloon
☒ Garland - 4 balloon
☐ Garland - 5 balloon
☐ Precision Wall
☐ Tunnel
☐ Canopy
☐ Other

Garland length (feet): 8 Balloon diameter (inches): 11
☐ Alternating

Component name:
Description of work: Columns with 3 ft balloon on top.

Number of balloons needed (including poppage %): **46** 44 Balloons 11 Clusters

Reports ☐ Show all jobs

Select	Qty	JobDescription
*	1	Columns with 3 ft balloon on top

Click here to calculate balloons

Adding Materials to a component.

Click the **Est. Cost** tab at the bottom of the screen.

MATERIAL GRID

Enter in the balloons and helium required in the materials grid.

To enter in a new material you can select the new material button at the lower right of the screen or you can click in the material grid.

Customer

Client: Budget Rental Company, Invoice No.: 001, Address: 1234 Anywhere Lane, City: Montgomery, State: AL, Zip: 36109, Phone: 334 270-1234, Fax: 334 270-8570, Contact: John Doe

Estimated Cost

Material	Color	Quantity	Unit	Unit Cost	Cost

Or click here to add a new material

Click here to add a new material

SubTotal = \$0.00

A total of 46 balloons are needed - size 11"

Details / Component / Est. Cost / Act. Cost / Sell Price / Price Analysis / Other

Enter in 46 - 11" balloons. Enter in 1 – 3 ft balloon. Tab to the next line.

Estimated Cost

Material	Color	Quantity	Unit	Unit Cost	Cost
11" Balloon	red	46	each	\$1.00	\$46.00
3 foot balloon	red	1	each	\$1.00	\$1.00
*					

Total = \$47.00

TIP

Be sure to tab all the way to the next new material so the program will save the last material you entered.

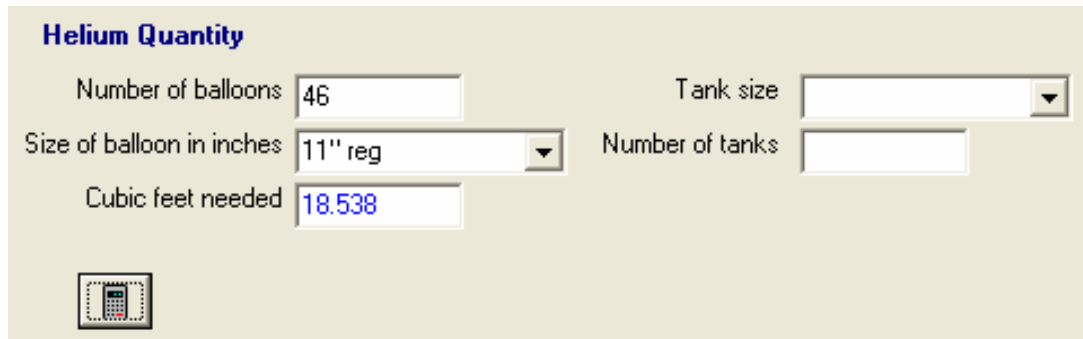
If you start typing "1" notice the program jumps to "11 Balloon" when it is on the item you want you can just hit the tab button to select that item.

Determining the helium needed for this component.

To determine the amount of helium required click on FILE/CALCULATIONS.

On the right side of the screen in the Helium Quantity box, enter in the number of balloons and select 11" reg. under the size of the balloon.

Click the "calculator" button to see how many cubic feet of helium is needed.



The "Helium Quantity" form contains the following fields and values:

- Number of balloons: 46
- Tank size: (dropdown menu)
- Size of balloon in inches: 11" reg
- Number of tanks: (text box)
- Cubic feet needed: 18.538
- Calculator icon: (bottom left)

Repeat this to find the helium needed for a 3 foot balloon inflated to 2.5 ft.
8 cubic feet is needed, so we need a total of $19+8 = 27$ cubic feet.

Close this screen by clicking the "Close" button.

Enter in helium in the materials grid.

Your Material Grid should look like this.

Estimated Cost								
	Material	Color	Quantity	Unit	Unit Cost	Cost		
	11" Balloon	red	46	each	\$1.00	\$46.00		
	3 foot balloon	red	1	each	\$1.00	\$1.00		
	helium		27		\$1.00	\$27.00		
*								

= \$74.00

For this tutorial we will not enter in monoline and such but in an actual job you should enter in all of your materials.

TIP

You can enter in your material names anyway you like. For instance an 11", 16", and 36" balloon may be typed in as follows.

Balloon -11		11 - balloon
Balloon - 16	or	16 - balloon
Balloon - 36		36 - balloon

Use whichever is easiest for you to remember.

Adding Labor to the job. LABOR GRID

To enter in the labor you can select the new labor button at the lower right of the screen or you can click in the labor grid. It works the same was as the materials grid.

Enter in your best estimate for the time to construct this component.

Select designer and type in 1 hour and 15 minutes

Employee	Hours	Minutes	Hourly Cost	Cost	
designer	1	15	\$20.00	\$25.00	
* [dropdown]					
SubTotal =					\$99.00

TIP: You can click on the labor header (where it says Employee and see suggested labor times and Hi-Float information.

Customer

Client: Budget Rental Company Invoice No.: 001 ☐ Completed
 Address: 1234 Anywhere Lane Phone: 334 270-1234 ☐ Tax Exempt
 City: Montgomery Fax: 334 270-8570 Search
 State: AL Zip: 36109 Contact: John Doe

Staffing rate

1. Inflating latex balloons with blowers and sizers :74.00

- 5" balloons 500 per hour
- 9" balloons 400 per hour
- 11" balloons 300 per hour
- 16" balloons 200 per hour

2. Inflating latex balloons with helium and ribbon \$0.00

- 9" balloons 225 per hour
- 11" balloons 175 per hour
- 16" balloons 125 per hour

See Hi-Float Close **Click here to see Hi-Float information.**

A total of 46 balloons are needed - size 11"

Details / Component / Est. Cost / Act. Cost / Sell Price / Price Analysis / Other

Your labor times are your best guess at how long it will take you or your staff to do a particular job or part of a job.



You can click on the **Act. Cost** tab and see that your estimated costs have been written your actual costs for you. You will want to change this after you have finished the job to reflect the actual job costs.

Determining the selling price of the first component.

Click on the **Sell Price** tab at the bottom of the page.

Here you can see the suggested selling price.


Selling Price per Component


Est. Selling Price Discount %  

Increase Quantity

Decrease

Sell for

 Increase

 Sell

Est. Selling Price	Estimated Cost	Overhead	Estimated Profit
<input type="text" value="\$220.00"/>	<input type="text" value="\$99.00"/>	<input type="text" value="\$66.00"/>	<input type="text" value="\$55.00"/>
-			
Actual Selling Price	Actual Cost	Overhead	Actual Profit
<input type="text" value="\$220.00"/>	<input type="text" value="\$99.00"/>	<input type="text" value="\$66.00"/>	<input type="text" value="\$55.00"/>
-			



[Details](#) / [Component](#) / [Est.Cost](#) / [Act.Cost](#) / [Sell Price](#) / [Price Analysis](#) / [Other](#)

This is the minimum amount you should sell this component at if your estimation is correct. Now you may add your perceived value.

If you know you can sell this component for \$300.00 then enter it in the “Sell for” box. Click the “Increase” button and the program automatically calculates the increase for you.

Notice the Quantity defaults to 1. Since we need 2 columns change this to 2.


Selling Price per Component


Est. Selling Price Discount %  

Increase Quantity

Decrease

Sell for

 Increase

 Sell

Click here to calculate the increase automatically

Est. Selling Price	Estimated Cost	Overhead	Estimated Profit
<input type="text" value="\$220.00"/>	<input type="text" value="\$99.00"/>	<input type="text" value="\$66.00"/>	<input type="text" value="\$55.00"/>
-			
Actual Selling Price	Actual Cost	Overhead	Actual Profit
<input type="text" value="\$300.00"/>	<input type="text" value="\$99.00"/>	<input type="text" value="\$66.00"/>	<input type="text" value="\$135.00"/>
-			

[Details](#) / [Component](#) / [Est.Cost](#) / [Act.Cost](#) / [Sell Price](#) / [Price Analysis](#) / [Other](#)

Adding the Second Component

Click on the **Component** tab at the bottom of the screen.

Click the “Add” button to add a component.

Under description enter “Arch for entrance way” and select the 4 balloon arch.

Enter in height and width of the arch.

Enter in the size of the balloons.

Click the “Balloons” button to calculate the number of balloons needed.

Component

☐ Arch - 1 balloon
☒ Arch - 4 balloon
☐ Arch - 5 balloon
☐ Mural - 2 balloon
☐ Mural - 4 balloon
☐ Garland - 2 balloon
☐ Garland - 4 balloon
☐ Garland - 5 balloon
☐ Precision Wall
☐ Tunnel
☐ Canopy
☐ Other

Height (feet) Balloon diameter (inches)
Width (feet)
☐ Alternating

Component name

Description of work

Balloons

Number of balloons needed (including poppage %) 196 Balloons 49 Clusters
35.23 ft. is the approximate total length

Note: There are two amounts for the number of balloons. The program calculates the exact number of balloons needed for the component and it calculates the number of balloons including some balloons for poppage. The bold number in blue is the number you should use for bidding your jobs.

Adding Materials to the second component.

Click the **Est. Cost** tab. to enter in the materials

Since the balloons are red and white you need to enter in half red and half white.

Select Yes when asked if you want to add the color “white” to your database.

Calculate the helium the same ways as in component 1.

You should get 83 cubic feet.

Enter in the balloons and helium amounts in the Material Grid.

Adding Labor to the second component.

Enter in the Labor Grid

Designer 2 hours 15 minutes

Inflator 2 hours 15 minutes

Material	Color	Quantity	Unit	Unit Cost	Cost
11" Balloon	red	103	each	\$1.00	\$103.00
11" Balloon	white	103	each	\$1.00	\$103.00
▶ helium		83		\$1.00	\$83.00

new color

Employee	Hours	Minutes	Hourly Cost	Cost
designer	2	15	\$20.00	\$45.00
▶ inflator	2	15	\$10.00	\$22.50

SubTotal = \$356.50

Expenses (travel, meals, etc.)	Cost
▶	

Shows TOTAL number of balloons for this component

A total of 206 balloons are needed - size 11"

Details / **Component** / Est. Cost / ~~Act. Cost~~ / ~~Sell Price~~ / Price Analysis / Other

Notice we can still see the number of balloons we need for this component.

Determining the selling price of the second component.

Click the **Sell Price** tab.

Adjust your “Sell for” to \$850.00 and click the “Increase” button.

Selling Price per Component

Est. Selling Price	\$792.22	Discount %	0	
Increase	\$57.78	Quantity	1	
Decrease	\$0.00			
Sell for	\$850.00			

Increase
 Sell

Est. Selling Price	Estimated Cost	Overhead	Estimated Profit
\$792.22	\$356.50	\$237.67	\$198.05
Actual Selling Price	Actual Cost	Overhead	Actual Profit
\$850.00	\$356.50	\$237.67	\$255.83

Details / Component / Est. Cost / Act. Cost / **Sell Price** / Price Analysis / Other

TIP

You can actually type in any amount you want to in the Increase box and click on the “Sell” button and it will add the **Est. Selling Price** and the **Increase** amount. You can enter in a discount in the **Decrease** box and this will be subtracted from the selling price. By clicking on the “pencil icon” button next to the Discount % box you can reset everything.

At the bottom of the screen you can see your estimated profit and your actual profit for this component. The two amounts will be the same until you go back and enter in the actual materials and labor you used in the job. This should be done after every job.

By entering in the actual materials and labor from each job, you will be able to determine if your estimating abilities are improving.

Adding the Third Component

Click the **Component** tab to enter in the third component.

Click the “Add” button then add the third component.

Under Description type “single balloon arches for the tables”

Select 1 balloon arch and enter in 10 feet high and 12 feet wide and 11” for balloon size.

Remember we are calculating the materials and labor time for one arch. When we get to the Sell Price tab we will enter in the number of arches we need for this job.

Click the “Balloons” button to calculate the number of balloons needed.

Component

☒ Arch - 1 balloon
☐ Arch - 4 balloon
☐ Arch - 5 balloon
☐ Mural - 2 balloon
☐ Mural - 4 balloon
☐ Garland - 2 balloon
☐ Garland - 4 balloon
☐ Garland - 5 balloon
☐ Precision Wall
☐ Tunnel
☐ Canopy
☐ Other

Height (feet) Balloon diameter (inches)
Width (feet)

Component name

Description of work

Number of balloons needed (including popage %) 27 Balloons
24.33 ft. is the approximate total length

Note: The Arch – 1 balloon is the same as a “single balloon” arch or a “string of pearls” arch.

Adding Materials and labor to the third component.

Click the **Est. cost** tab at the bottom of the screen.

In the **Materials Grid** enter in the balloons. Notice “white” now appears in the drop down box. This is because we saved it to the database.

Remember the balloons are red and white alternating.

Calculate the helium. You should get 11.28. Round it up to 12 cubic feet.

Enter in the **Labor Grid**

Designer 15 minutes

Estimated Cost

	Material	Color	Quantity	Unit	Unit Cost	Cost		=	
	11" Balloon	red	14	each	\$1.00	\$14.00			
	11" Balloon	white	14	each	\$1.00	\$14.00			
▶	helium		12		\$1.00	\$12.00			

SubTotal = \$45.00

	Employee	Hours	Minutes	Hourly Cost	Cost		=	
	designer		15	\$20.00	\$5.00			
*								

SubTotal = \$0.00

A total of 28 balloons are needed - size 11"

Details / Component / Est.Cost / Act.Cost / Sell Price / Price Analysis / Other

Remember your labor time is for one arch only.

Determining the selling price of the third component.

Click the **Sell Price** tab at the bottom of the screen.

Enter in \$25.00 in the Increase box.

Click the “Sell” button to calculate the “Sell for” price of \$125.00

Since we want 12 arches change the quantity to 12.

Selling Price per Component

Est. Selling Price	\$100.00	Discount %	0	
Increase	\$25.00	Quantity	12	
Decrease	\$0.00			
Sell for	\$125.00			

Enter in 25.00 in the Increase box and click here. Notice the 25.00 is added to the 100.00

Est. Selling Price	Estimated Cost	Overhead	Estimated Profit
\$100.00	\$45.00	\$30.00	\$25.00
Actual Selling Price	Actual Cost	Overhead	Actual Profit
\$125.00	\$45.00	\$30.00	\$50.00

Details / Component / Est. Cost / Act. Cost / Sell Price / Price Analysis / Other /

Adding the Fourth Component

Click the **Component** tab to enter in component number 4.

Click “Add” to add the next component.

Under description type “Wall behind the stage”

Click on “Precision wall”.

Enter in 16 feet wide and 8 feet tall and balloon sizes 8 and 10 inches.

Click the “Balloons” button to calculate the number of balloons needed.

Component

☐ Arch - 1 balloon
☐ Arch - 4 balloon
☐ Arch - 5 balloon
☐ Mural - 2 balloon
☐ Mural - 4 balloon
☐ Garland - 2 balloon
☐ Garland - 4 balloon
☐ Garland - 5 balloon
☒ Precision Wall
☐ Tunnel
☐ Canopy
☐ Other

Height (feet) Balloon diameter (inches)
Width (feet) Balloon diameter (inches)

Component name

Description of work

Balloons

Number of balloons needed (including popage %) 56 Balloons per Garland 14 Clusters
9 Garlands

Add Save Delete Cancel Select Creation Save Creation

Details Component Est. Cost Act. Cost Sell Price Price Analysis Other

TIP

We can also see that we will be making 9 garlands of balloons and each garland consists of 14 clusters of balloon. This will make it easier to construct.

Adding Materials and labor to the fourth component.

Click the **Est. cost** tab at the bottom of the screen.

In the **Material Grid** enter in the materials.

We are going to use 9 and 11 inch balloons so half of the balloon total will be 9" and half will be 11".

In the **Labor Grid** enter in

Designer 4 hours

Inflator 3 hours 30 minutes

Estimated Cost						
Material	Color	Quantity	Unit	Unit Cost	Cost	
11" Balloon	red	265	each	\$1.00	\$265.00	= \$530.00
9" balloon	red	265	each	\$1.00	\$265.00	

Employee	Hours	Minutes	Hourly Cost	Cost	
designer	4		\$20.00	\$80.00	= \$115.00
inflator	3	30	\$10.00	\$35.00	

SubTotal = \$645.00

Determining the Selling Price for the fourth Component

Click the **Sell Price** tab and adjust the sell price to \$ 2,000.00

Selling Price per Component				
Est. Selling Price	\$1,433.33	Discount %	0	
Increase	\$566.67	Quantity	1	
Decrease	\$0.00			
Sell for	\$2,000.00			
<div><div>Est. Selling Price</div><div>Estimated Cost</div><div>Overhead</div><div>Estimated Profit</div></div>				
<div><div>\$1,433.33</div><div>-\$645.00</div><div>-\$430.00</div><div>= \$358.33</div></div>				
<div><div>Actual Selling Price</div><div>Actual Cost</div><div>Overhead</div><div>Actual Profit</div></div>				
<div><div>\$2,000.00</div><div>-\$645.00</div><div>-\$430.00</div><div>= \$925.00</div></div>				

Details / Component / Est.Cost / Act.Cost / Sell Price / Price Analysis / Other

Adding Costs associated with this job

Now that we have finished entering in the components we can go back in and add some other costs to the job, like the hotel bill and the travel.

Click on the **Est. cost** tab at the bottom of the screen.

In the **Expenses Grid** enter in “hotel” at a cost of \$75.00

On the next line add in “travel” at a cost of \$25.00.

Estimated Cost

Material	Color	Quantity	Unit	Unit Cost	Cost		=	
11" Balloon	red	265	each	\$1.00	\$265.00			\$530.00
9" balloon	red	265	each	\$1.00	\$265.00			

Employee	Hours	Minutes	Hourly Cost	Cost		=	
designer	4		\$20.00	\$80.00			\$115.00
inflator	3	30	\$10.00	\$35.00			

SubTotal = \$645.00

Expenses (travel, meals, etc.)	Cost		=	
hotel	\$75.00			
travel	\$25.00			
*				\$100.00

A total of 529 balloons are needed - sizes 8" and 10"

Details / Component / Est.Cost / Act.Cost / Sell Price / Price Analysis / Other /

When entering in your expenses, you can add “travel” and “hotel” to your database if you wish. The price is not saved with the item because it will usually vary from job to job.

Congratulations you have just entered in your first job estimate. Now we will look at the total job.

Analyzing the completed job.

Click on the **Price Analysis** tab at the bottom of the screen.

Here you can see the entire job. We have 4 components for this job. The individual prices are posted as well as the extended prices of each component.

At the bottom of the screen you can see the entire cost of the job and you can see your profit on this job.

Customer

Client: Budget Rental Company Invoice No.: 001 ☐ Completed
Address: 1234 Anywhere Lane Phone: 334 270-1234 ☐ Tax Exempt
City: Montgomery Fax: 334 270-8570 Search
State: AL Zip: 36109 Contact: John Doe

Total Price Analysis

Select	Qty	JobDescription	Discount	Increase	SellFor	TotalPrice
<input checked="" type="checkbox"/>	2	Columns with 3 ft balloon on top.	0	\$80.00	\$300.00	\$600.00
<input checked="" type="checkbox"/>	1	Arch for entrance way	0	\$57.78	\$850.00	\$850.00
<input checked="" type="checkbox"/>	12	single balloon arches for the tables	0	\$25.00	\$125.00	\$1,500.00
<input checked="" type="checkbox"/>	1	Wall behind the stage	0	\$566.67	\$2,000.00	\$2,000.00

Selling Price: \$5,495.50 4 Components: \$4,950.00
Actual Cost: \$1,739.50 Sales Tax %: 9
Expenses: \$100.00 Sales Tax: \$445.50
Overhead: \$1,485.00 Subtotal: \$5,395.50
Sales Tax: \$445.50 Expenses: \$100.00
Profit = \$1,725.50 Total = \$5,495.50

Details / Component / Est.Cost / Act.Cost / Sell Price / Price Analysis / Other

The job is broken down so you can see the individual pricing. You can see that the total job cost for the 4 components is \$5,495.50. You can also see that if everything goes according to plan we will profit an estimated \$1,727.50 from the job.

If the customer decides they do not want a particular component you can remove that component by turning it off.

Let's turn off the last component, the precision wall.

Click on the check box to the left of this component to turn it off. This will zero out the component but will not remove it from the job just in case you need to add it back in the future.

Customer

Client: Budget Rental Company Invoice No. 001 ☐ Completed
 Address: 1234 Anywhere Lane Phone: 334 270-1234 ☐ Tax Exempt
 City: Montgomery Fax: 334 270-8570 Search
 State: AL Zip: 36109 Contact: John Doe

Total Price Analysis

Select	Qty	JobDescription	Discount	Increase	SellFor	TotalPrice
<input checked="" type="checkbox"/>	2	Columns with 3 ft balloon on top.	0	\$80.00	\$300.00	\$600.00
<input checked="" type="checkbox"/>	1	Arch for entrance way	0	\$57.78	\$850.00	\$850.00
<input checked="" type="checkbox"/>	12	single balloon arches for the tables	0	\$25.00	\$125.00	\$1,500.00
<input type="checkbox"/>	1	Wall behind the stage	0	\$566.67	\$2,000.00	\$0.00

Selling Price: \$3,315.50 3 Components: \$2,950.00
 Actual Cost: \$1,094.50 Sales Tax %: 9
 Expenses: \$100.00 Sales Tax: \$265.50
 Overhead: \$885.00 Subtotal: \$3,215.50
 Sales Tax: \$265.50 Expenses: \$100.00
Profit = \$970.50 Total = \$3,315.50

Details / Component / Est. Cost / Act. Cost / Sell Price / Price Analysis / Other

Notice that now it says we only have 3 components and we have a new total. The materials for the precision wall are still filed away with the job but are not counted. That way we can turn the component back on and we don't have to enter in all the materials again.

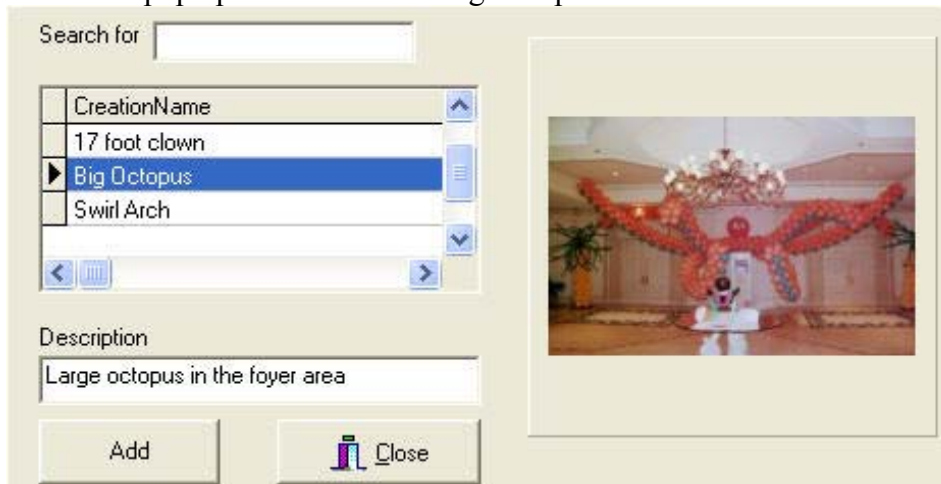
Let's add one more component to this job.
 First, let's turn the precision wall back on.

Adding a Creation to a Job.

We are going to select a pre-made creation to add to our job.

Click on the **Component** tab and now click on the “Select Creation “button.

From the pop up box select the “Big Octopus”



Search for

CreationName

- 17 foot clown
- Big Octopus**
- Swirl Arch

Description

Large octopus in the foyer area

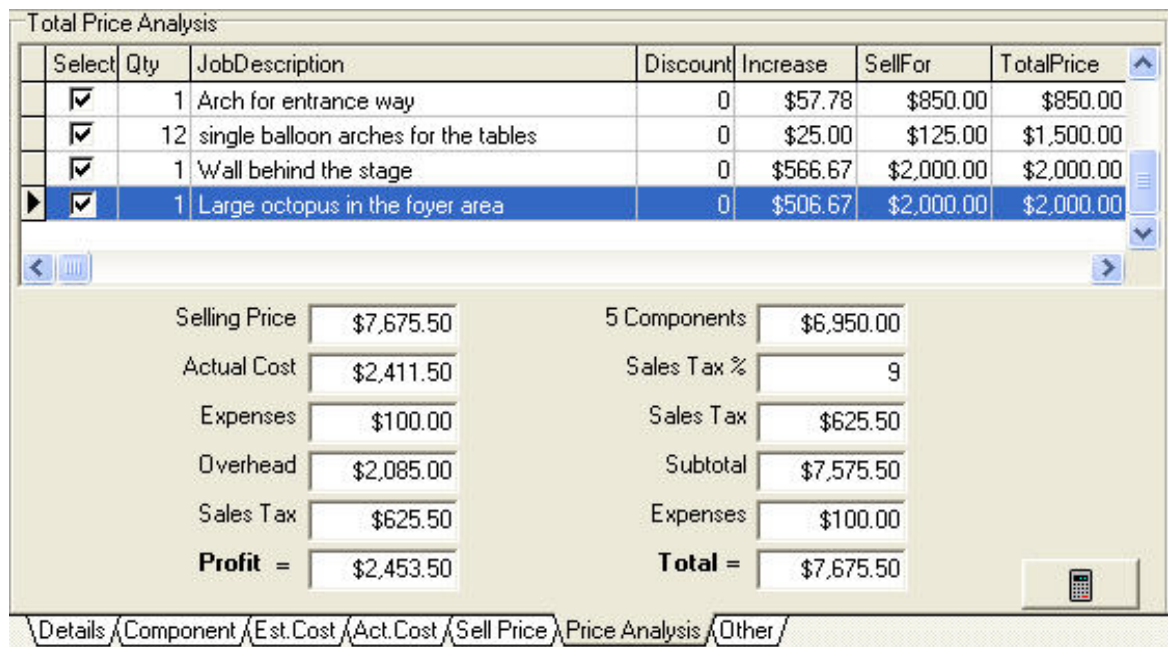
Add Close

Click the “Add” button and now the Big Octopus has been added to your job.

Click on the **Est. cost** tab and you can see the materials and labor.

Click on the **Sell Price** tab and you can see the pricing of this component.

Click on the **Price Analysis** tab and you can see the job cost has changed to reflect the new component.



Select	Qty	JobDescription	Discount	Increase	SellFor	TotalPrice
<input checked="" type="checkbox"/>	1	Arch for entrance way	0	\$57.78	\$850.00	\$850.00
<input checked="" type="checkbox"/>	12	single balloon arches for the tables	0	\$25.00	\$125.00	\$1,500.00
<input checked="" type="checkbox"/>	1	Wall behind the stage	0	\$566.67	\$2,000.00	\$2,000.00
<input checked="" type="checkbox"/>	1	Large octopus in the foyer area	0	\$506.67	\$2,000.00	\$2,000.00

Selling Price \$7,675.50

Actual Cost \$2,411.50

Expenses \$100.00

Overhead \$2,085.00

Sales Tax \$625.50

Profit = \$2,453.50

5 Components \$6,950.00

Sales Tax % 9

Sales Tax \$625.50

Subtotal \$7,575.50

Expenses \$100.00

Total = \$7,675.50

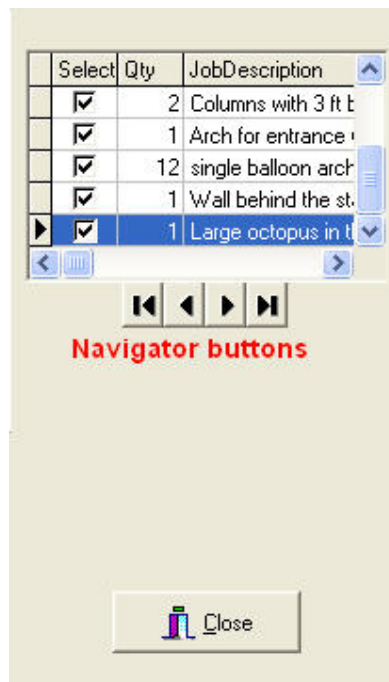
Details / Component / Est. Cost / Act. Cost / Sell Price / **Price Analysis** / Other

Making a component into a creation

Let's make one of the components we just entered into a creation so we can use it in other jobs.

First make sure you are on the **Component** tab, if you are not just click on the **Component** tab at the bottom of the screen.

On the right side of the screen you can see each component listed in a **Selection box**. You can switch between components by clicking on the component in the **Selection box** or by clicking on the navigator buttons underneath the **Selection box** or by clicking on a component and using the arrow keys.



Click on the first component and we will make it into a creation.

Click on the "Save Creation" button on the **Component** screen.



Enter in "Special Columns" for the name and click "OK".

You have just made your first creation.

Viewing the Creations, even the one you just made.

To see the creation you made click on FILE/Creations Template

TIP

This list of pre-made components allows you to insert a creation into your job by selecting the “Select Creation” button on the **Component** screen.

Select Creation	Save Creation
-----------------	---------------

You can turn your components into a creation for later use by selecting the “Save Creation” button on the **Component** tab.

CONGRATULATIONS

You have just completed the tutorial. You should have an understanding of how the program works. If not, delete the job you entered and start over. Once you understand how this works you will need to customize the program for your business.

Deleting components

To delete a component you must be on the **Component** screen. Select the component to delete and click on the “Delete” button.



Deleting an entire job

You cannot delete the job until you have deleted all of the components associated with that job. So on the **Component** screen delete all the components and then delete the job by clicking on the minus folder at the top of the screen.



Entering in your Company Information

Access this screen by clicking on File/Company Info

Enter in the information shown. This is used for the reports.

A screenshot of the 'Company Info' dialog box. It contains fields for Company, Address, City, State, Zip, Phone, Fax, and email. The company name is 'Dynamite Magic & Balloons'. The address is '3405 Atlanta Highway'. The city is 'Montgomery'. The state is 'Alabama' and the zip is '36109'. The phone is '334 270-1234' and the fax is '334 270-8570'. The email is 'gllmagic@aol.com'. There is a logo area on the right with a 'Select Logo' button. At the bottom, there are icons for editing, saving, and closing, and a 'Close' button.

Be sure to save your information by clicking on the save icon.



Changing the percentages

Select this window by clicking on FILE\Percentages
Enter in the percentages that apply to your business.

Date	Overhead %	Profit %	Gross Profit %	Popage %	SalesTax
------	------------	----------	----------------	----------	----------

Overhead and Profit %

Gross profit %

Gross profit % = Overhead % + Profit %

Overhead %

Overhead is the cost of running your business and expenses incurred as a result of being in business.

Examples of overhead are business owner's salary, advertising, marketing, rent utilities, and insurance.

The Overhead % is based on the sales volume of a business.

Starting out you may have to estimate your sales volume until a more accurate figure can be established.

To find your overhead % - Take your annual expenses and divide them by your sales in the same period.

For more information on overhead % for your business see your accountant.

Profit %

Profit is the money your company makes from doing a job. Profit is the money that's left over after everybody is paid. You have to determine how much of a percentage of the annual sales you want to make as a profit.

Sales tax %

Enter in your sales tax.

Poppage

The poppage is the amount of balloons to allow for with some of them popping. Usually between 2 - 5 %.

Adding pictures to your components.

To add pictures to your components, go the **Component** screen

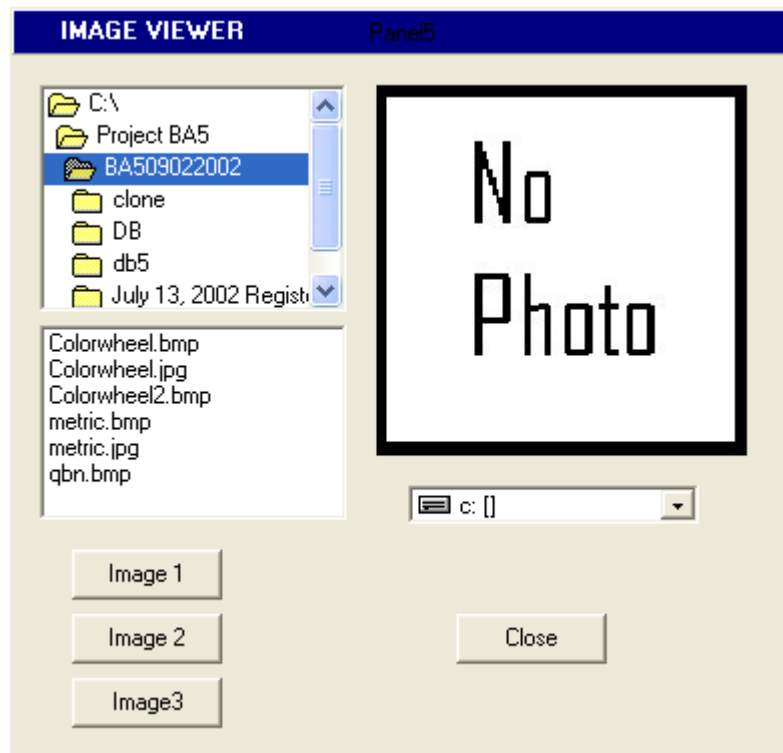
Double click on the component in the “Selection box” you want to add pictures to.

A panel will pop up that allows you to select up to three images.

Click on the “Select Images” button and a screen pops up allowing you to select the picture you want to use.

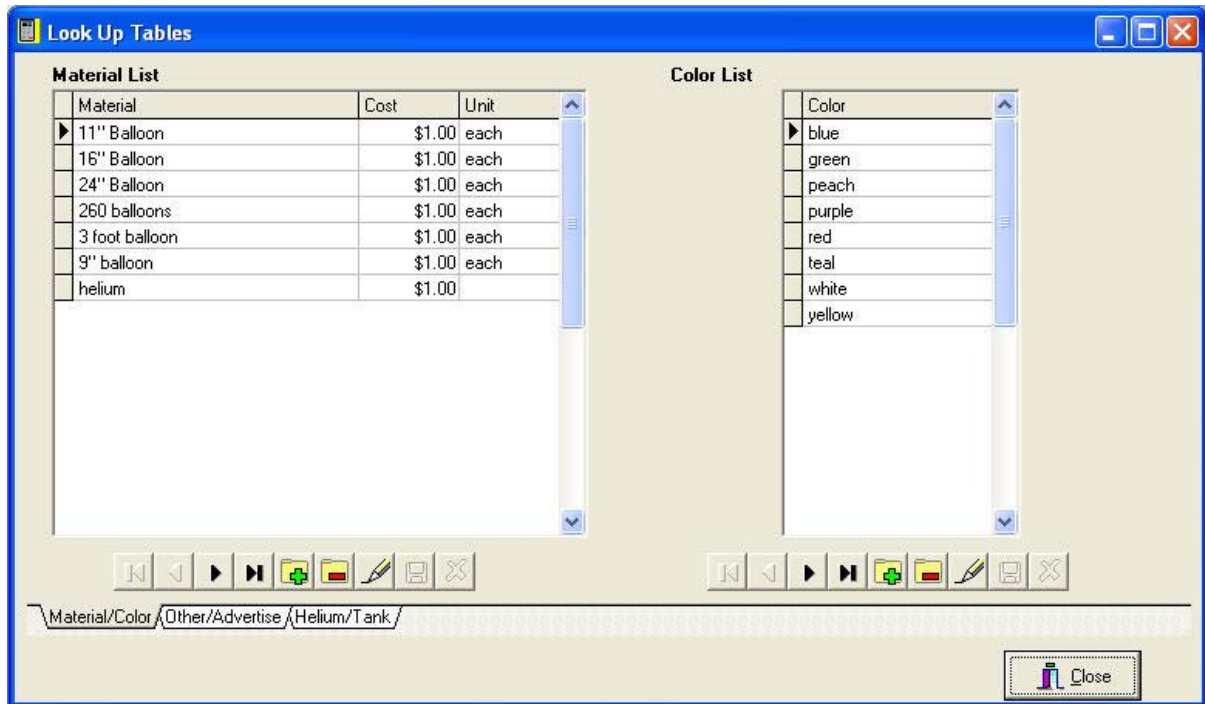
Only bitmaps and jpeg files will show in the box.

You can select either and the **Balloon Calculator**[®] will automatically save the images into the appropriate directory as a jpeg, which takes up less space.



Viewing your database

You can view your database tables by selecting TABLES/LOOKUP TABLES.



You can view other tables by selecting the tabs at the bottom of the screen.

You can add or delete items from the different tables. Adding, deleting, or editing tables here changes the dropdown boxes on other screens. For example, if you delete "white" from the color list it will not display in the dropdown color list in the material grids. If you add a color it will be displayed on the dropdown list.

The **Employees Screen** is used to add, delete, change or complete employee information.

The minimum amount of information, name and pay rate can be added during estimating without the need to go to this screen.

The **Employees** window contains a form with the following fields:

- Name:
- Employee No.:
- Address:
- Rate:
- City:
- Emergency Contact:
- State:
- Zip:
- Emergency Phone:
- Phone:
- Notes:

Below the form is a table with the following data:

Name	Rate	Address	City
designer	\$20.00		
inflator	\$10.00		

The bottom of the window features a toolbar with navigation icons (back, forward, etc.) and a **Close** button.

The **Customer Information Screen** works the same as the **Employee screen**. The only thing required for estimating is the client name.

The **Customer Info** window contains a form with the following fields:

- Client:
- Contact:
- Address:
- Phone:
- City:
- Fax:
- State:
- Cell:
- Zip:
- Home:
- Notes:
- ☐ Tax Exempt

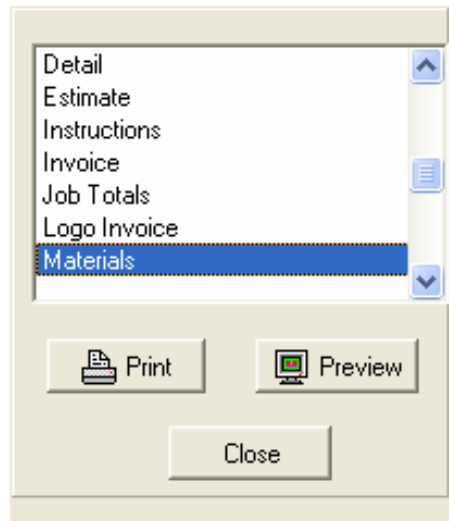
Below the form is a table with the following data:

Client	Address
Budget Rental Company	1234 Anywhere Lane
Gary Ledbetter	2318 Sansone Road

The bottom of the window features a toolbar with navigation icons (back, forward, etc.) and a **Close** button.

REPORTS

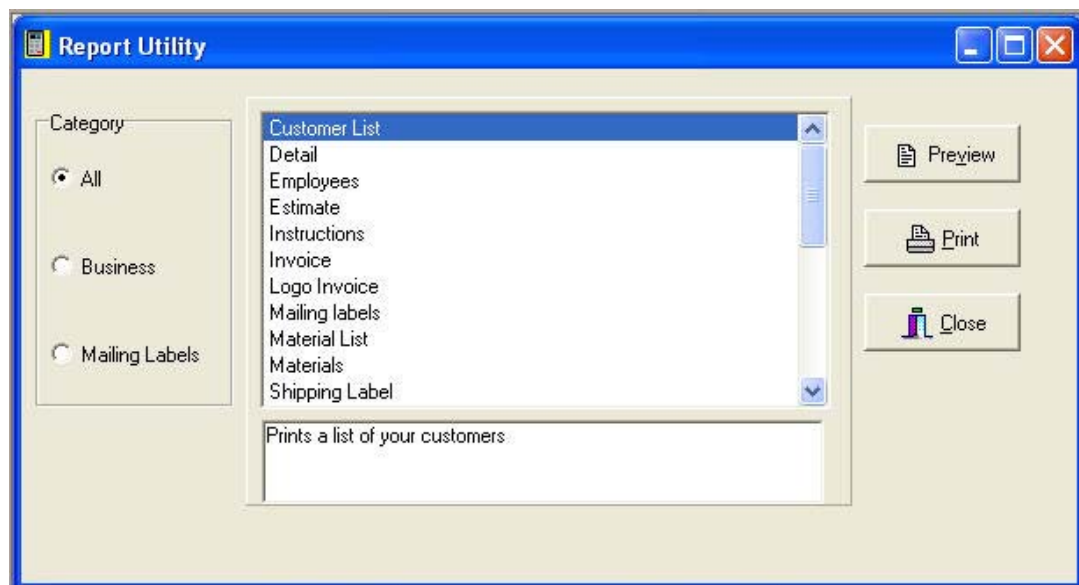
Reports can be generated by clicking on the reports button and selecting the report you need.



Each of the above reports is job specific. The report is only for the job currently selected.

Other reports can be found by selecting
FILE/REPORT MODULE

Here you can select reports that print out mailing labels and such.



CREATIONS

The creation template is a way of saving your components so you can use them in other jobs.

This will eliminate a lot on reentering of data and make your estimating much quicker.

You can access this screen by clicking File/Creation template. Here you can make changes to your creations.

NOTE: When you save a creation from the component screen, you are saving the ACTUAL Screen data and the SELLING PRICE screen data. You can insert a picture in the directory and be able to see your creation when you are selecting it.

New Creations

You can make your own creations at the **Creation Template** screen

First Click on the plus sign in the navigator bar and type in the name of the creation.

The date is automatically inserted for you. Next add material and labor just as you would on the component screen.

One of the major improvements is that you can click on the images tab and select up to three different pictures of your new creation.

You can even add your own instructions.

Be sure to save your work by clicking on the blue disk icon.

The Materials tab.

Here you can enter in the materials and labor for your own creations or change creations that you already have.

You can change the prices in the boxes shown.

The screenshot shows the 'Creation Templates' window with the 'Materials' tab selected. The window is divided into several sections:

- CreationList:** A table with columns 'CreationName' and 'Date'. It lists 'Big Octopus' (12/11/2002), 'Special Columns' (10/5/2003), and 'Swirl Arch' (12/11/2002).
- Description:** A text box containing 'Columns with 3 ft balloon on top.' Below it are icons for undo, redo, insert, delete, and other editing functions.
- Include in groups:** Four empty dropdown menus.
- Select Creation Group:** Radio buttons for 'ALL' (selected), 'Classic Decorations', and 'Sculptures'.
- Price Controls:** Fields for 'Est. Selling Price' (\$220.00), 'Increase' (\$80.00), and 'Sell For' (\$300.00). There are 'Sell' and 'Increase' buttons.
- Materials Table:** A table with columns: Material, Color, Quantity, Unit Cost, Unit, and Cost.

Material	Color	Quantity	Unit Cost	Unit	Cost
11" Balloon	red	46	\$1.00	each	\$46.00
3 foot balloon	red	1	\$1.00	each	\$1.00
helium		27	\$1.00		\$27.00
- Labor Table:** A table with columns: Name, Hours, Minutes, Hourly Cost, and Cost.

Name	Hours	Minutes	Hourly Cost	Cost
designer	1	15	\$20.00	\$25.00

At the bottom, there are navigation icons and a status bar showing 'M/L/Images/Instructions/'.

The Images tab

On the images tab you can select up to three different pictures for your creation.

The pictures can show the creation in three different stages.

This is so that you can remember how to make it or show someone else how to make it.

The program uses either bitmap pictures or jpeg pictures.

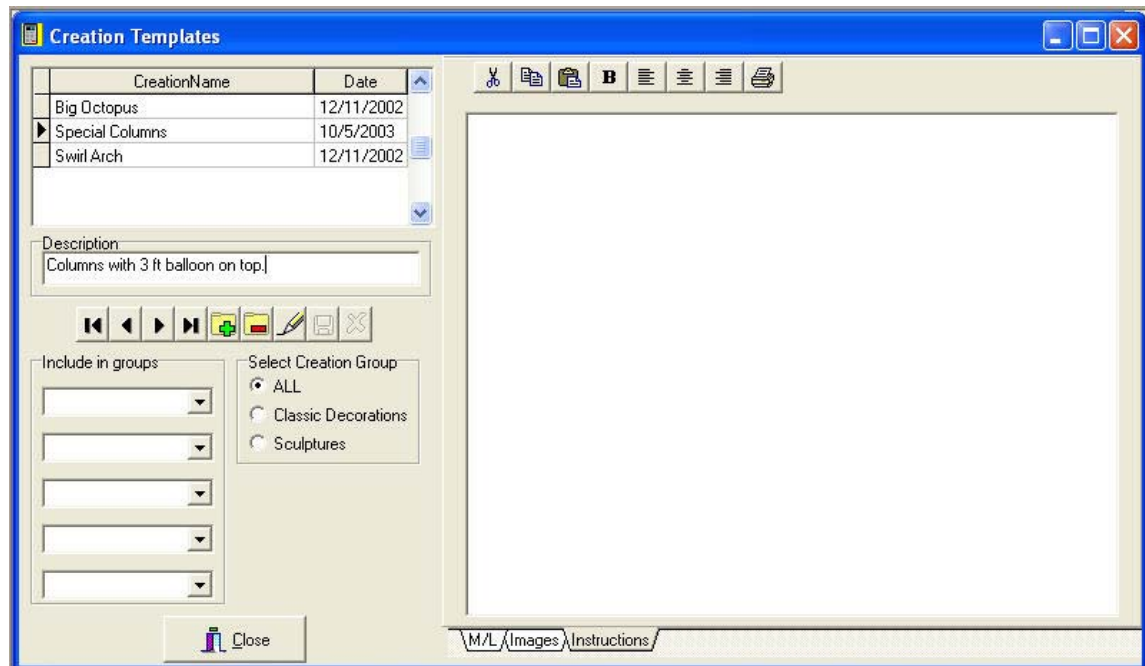
You can create your own images in other programs and the **Balloon Calculator**® will be able to use them as long as they are saved in the above format.

The Instructions tab

This tab displays the instructions for making the creation.

You can print the instructions out.

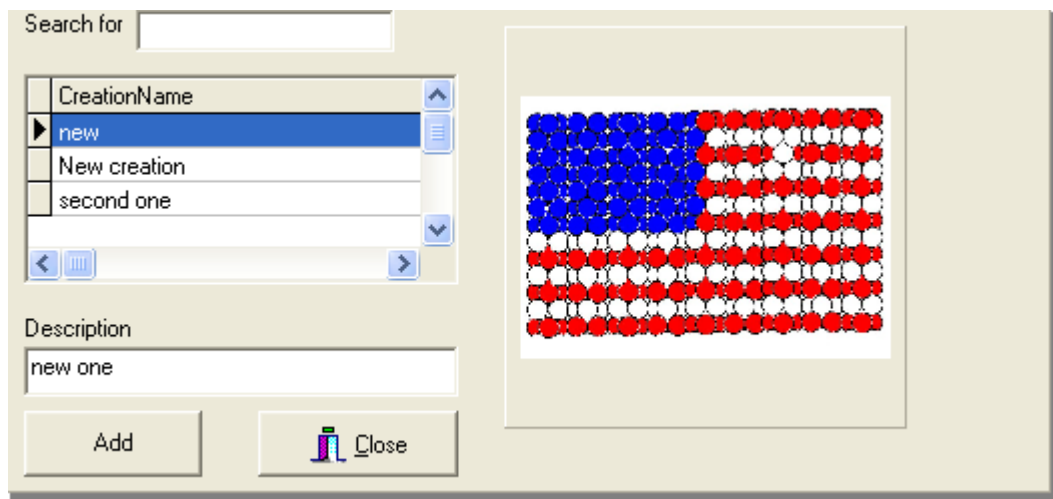
You can type directly into the memo box and it will save what you type.



Adding creations to your job.

Click on the "Select Creation" button on the **Component** screen.

Select the creation you want then click on the "Add" button.



Adding Pictures to your creations.

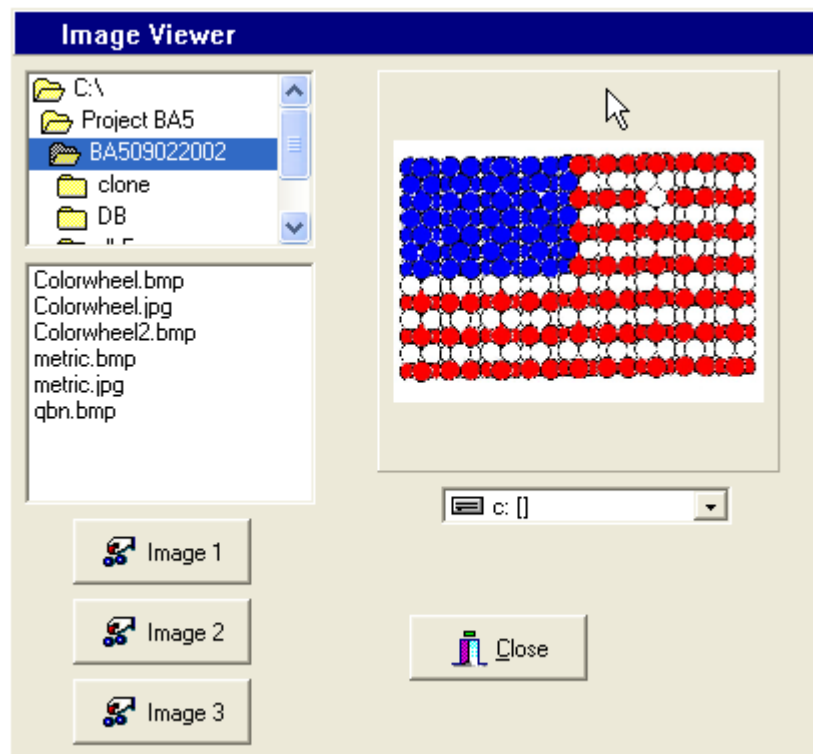
Adding pictures to your creations is easy to do.

Click on the **Images** tab.

Click on the “Select Images” button and a screen pops up allowing you to select the picture you want to use.

Only bitmaps and jpeg files will show in the box.

You can select either and the **Balloon Calculator**® will automatically save the images into the appropriate directory as a jpeg, which takes up less space.



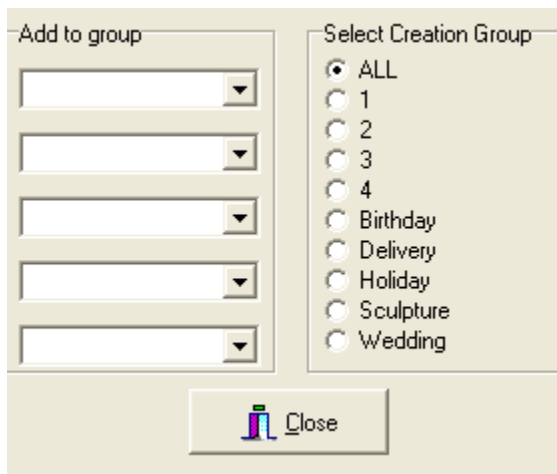
Organizing your Creations

You can place each creation into 5 different categories. You can have up to 10 different categories listed.

You can remove a creation from a category by double clicking the category box.

Click on the **Select Creation Group** box to show only the creations in that group.

So if you only wanted to see the creations that are “sculptures” the select **Sculpture** in the **Select Creation Group** box



The screenshot shows a user interface for organizing creations. On the left, under the heading "Add to group", there are five empty dropdown menus stacked vertically. On the right, under the heading "Select Creation Group", there is a list of radio buttons. The first option is "ALL" and is selected. Below it are options "1", "2", "3", and "4". Further down are "Birthday", "Delivery", "Holiday", "Sculpture", and "Wedding". At the bottom center of the panel is a button with a small icon and the text "Close".

By pressing the **F8** button while on the **Creations Template** screen the panel for creating groups is made available.

You can add or delete groups except for the ALL category.



The screenshot shows a panel titled "GROUPS" in a blue header bar. Below the header is a list box containing the following items: "Group", "Birthday", "3", "Delivery", "Holiday", and "Wedding". The "Birthday" item is selected and has a small arrow icon to its left. To the right of the list box are three vertical buttons: a blue arrow pointing up, a menu icon, and a blue arrow pointing down. Below the list box are three buttons: "Add", "Delete", and "Close". At the bottom of the panel, the text "Maximum of 10 Groups allowed" is displayed.

Downloadable Creations

Creations are available for download at www.dynamitemagicandballoons.com.

New creations are being added every month.

You can download Seasonal creations that contain instructions, pictures and materials list. Everything to get you started.

Each creation is a self installing .exe .

After downloading the creation file from the internet, run the .exe and the information will be placed in your databases.

Once the creation is in your database you will need to change the material and labor prices to fit your business.

You can leave the materials as listed and change the prices or you can reselect the equivalent of the item from your database.

For instance if the material is listed in the creation as a 5" balloon you can click on this material and enter in your listing of a 5" balloon and the program will bring in your pricing for you.

Once done you will have a creation customized just for you.

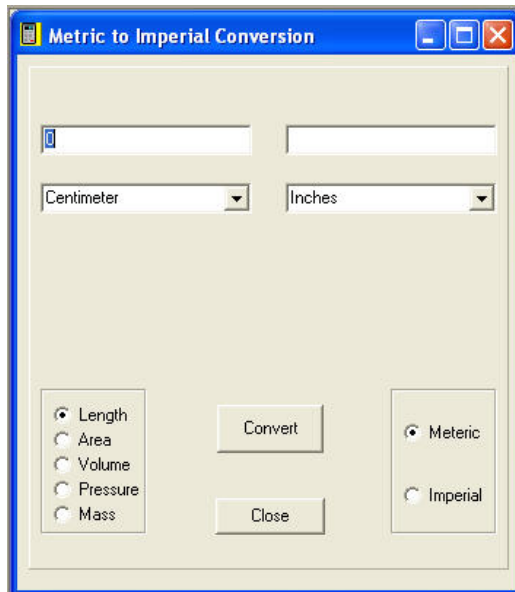
Calculator

The program has a built in calculator. Click on the "Calculator" icon.



Conversion Calculator

The Conversion Calculator allows you to convert metric to imperial or imperial to metric.



Net Factor

By pressing **F8** while on the **Percentages Screen** the “net factor” box will become visible.

The “net factor” is used to change the way the program calculates balloons for nets.

Because different people pack their nets differently than others you can actually customize it for yourself.

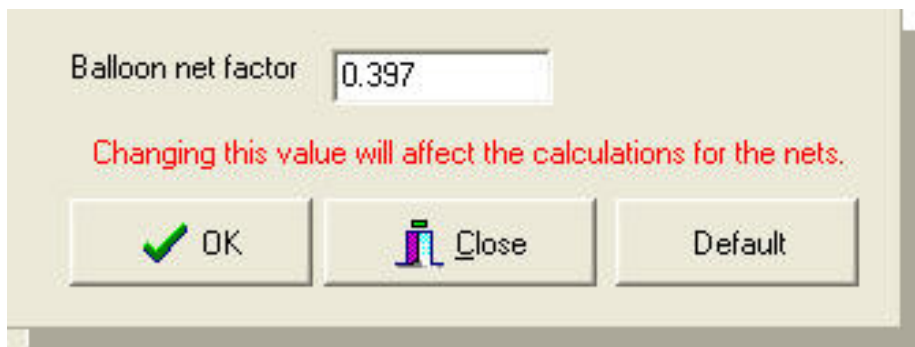


Image Viewer

The image viewer is designed to allow you to search in your directories for a particular picture.

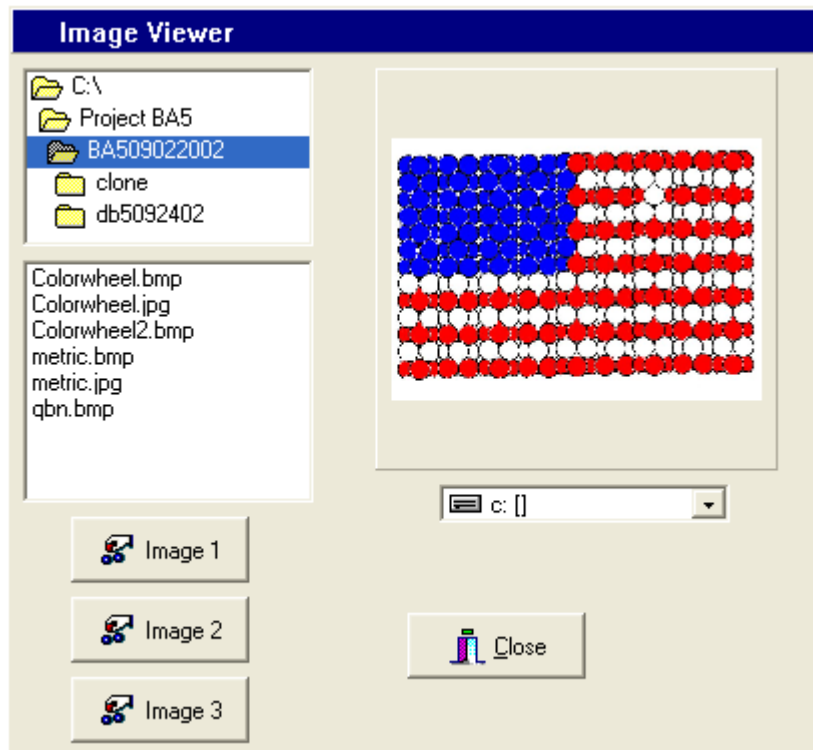
When you click on the picture an image of it will appear in the image viewer box.

If this is the image you are looking for then click the image button that you wish to assign this image to and it will put the image in the correct place.

To remove an image, simply select the blank.jpg or select another picture.

The image viewer will convert the image to a jpeg image and copy it to the images folder in your default **Balloon Calculator**[®] directory.

If for some reason this image gets deleted then the image cannot be display and it will default back to the default "No Picture" jpeg.



Searching

When you click on the search button you get the following screen.

To facilitate your search you can sort the jobs by name date or invoice number.

Changes made in this grid are saved.

When you find the job you are searching for click on it and that makes it the active job so when you close this screen you will be on that job.

Search for

Sort by Client

	Client	JobDate	Time	DOE	Address
▶	Gary Ledbetter	9/14/2002		8/28/2002	2318 Sansone Rd
	Gary Ledbetter	9/24/2002		9/20/2002	2318 Sansone Rd
	Jesse				dkfdk
	print customer	9/24/2002		9/16/2002	1234
	test				erfe
	test				erfe

< >

Show All Close

NOTE:

Because of the way the search function works, the invoices are sorted by the first number then the second number.

This basically means that 10 will sort before 2 because all the 1's are sorted first followed by the 2's etc.

Until I find a way around this be aware of how it works.

Calculations

Other calculations can be made by selecting FILE/CALCULATIONS and selecting the different tabs at the bottom of the screen.

Helium Lift

This screen is for calculating the amount of helium needed in different situations.

1. Calculating how many balloons it will take to lift an object.
2. Calculating the number of balloons from a partial tank
3. Calculating the amount of helium needed for a number of balloons
4. Calculating the number of tanks needed.

The screenshot shows the 'Balloon Calculator Imperial' application window. The title bar reads 'Balloon Calculator Imperial'. The menu bar includes 'File', 'Tables', 'Utility', 'Industry', 'Help', 'Window', and 'Registration'. The toolbar contains various icons for file operations and calculations. The main window is divided into three sections: 'Helium Lift', 'Helium Quantity', and 'Partial Tank'. Each section has input fields and a calculator icon. The 'Helium Lift' section includes 'Weight (in oz.)', 'Balloon' (dropdown), and 'Balloons needed'. The 'Helium Quantity' section includes 'Number of balloons', 'Tank size' (dropdown), 'Size of balloon in inches' (dropdown), 'Cubic feet needed', and 'Number of tanks'. The 'Partial Tank' section includes 'Tank size' (dropdown), 'Tank pressure', 'Size of balloon in inches' (dropdown), and 'Number of balloons'. There are 'Clear' and 'Close' buttons in the center. At the bottom, a tab bar shows 'Helium Lift' as the active tab, with other tabs including 'Sq Packed Circ.', 'Geometry', 'Area', 'Volume', 'Surface', 'Nets', and 'Columns'.

Balloon Calculator Imperial

File Tables Utility Industry Help Window Registration

Formulas

Helium Lift

Weight (in oz.)

Balloon

Balloons needed

Helium Quantity

Number of balloons

Tank size

Size of balloon in inches

Cubic feet needed

Number of tanks

Partial Tank

Tank size

Tank pressure

Size of balloon in inches

Number of balloons

Helium Lift / Sq Packed Circ. / Geometry / Area / Volume / Surface / Nets / Columns

Example 1

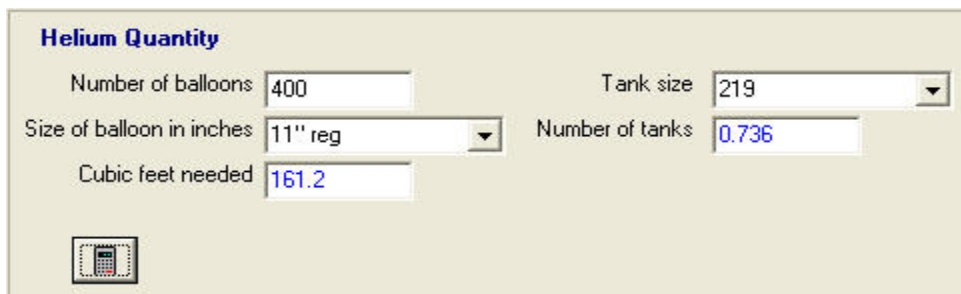
Suppose you wanted to know how much helium you needed for 400 - 11" balloons and you were using size 219 cubic feet tanks.

Enter in the number of balloons you have (400)

Select the size from the drop down box. (11")

Select the tank size (219)

Click on the calculate button and you see you need 161.2 cubic feet and .736 tanks.



The screenshot shows a web form titled "Helium Quantity". It contains the following fields and values:

Field	Value
Number of balloons	400
Tank size	219
Size of balloon in inches	11" reg
Number of tanks	0.736
Cubic feet needed	161.2

At the bottom left of the form is a small icon of a calculator.

Example 2

Suppose you have 3 of the 219 size tanks and you want to blow up some 16" balloons.

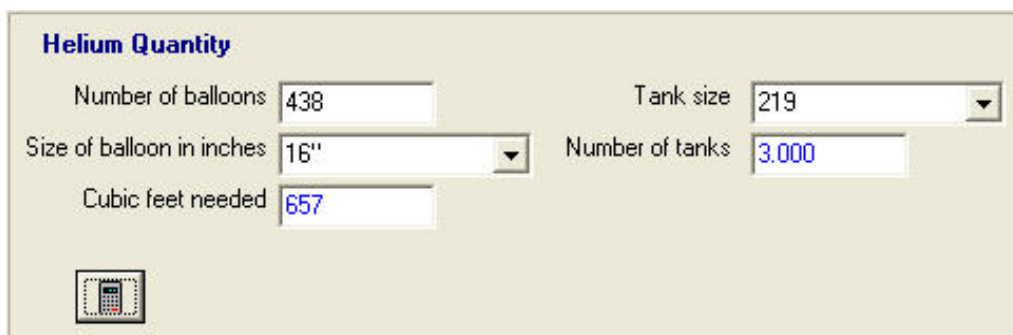
How many could you blow up?

Enter in the number of tanks. (3)

Select the size. (219)

Select the size of the balloons. (16")

Click on the calculator button and you can see you should be able to get about 438 16" balloons.



The screenshot shows the same "Helium Quantity" web form with the following fields and values:

Field	Value
Number of balloons	438
Tank size	219
Size of balloon in inches	16"
Number of tanks	3.000
Cubic feet needed	657

At the bottom left of the form is a small icon of a calculator.

Sq. Packed Circle

If you need to make a round garland. Using the square pack technique and sizing the balloons on the duplet different sizes an automatic circle results. The choice for the outside balloon is an arbitrary choice made by the decorator and the program will calculate the size of the inside balloon. The size of the calculated balloon can be changed by varying the size of the outside balloon and recalculating.

Example

If you need a garland circle that was 5 feet in diameter and you chose the outside balloon to be 9 inches in diameter.

Enter in the information and click on the calculate button and the answer is displayed for the inside balloon.

The inside balloon would need to be about 6.5 inches.

Square Packed Circle Formula

Enter F

F = diameter of frame (in inches)

Enter D

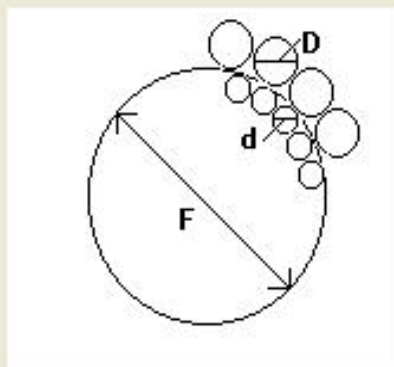
D = diameter of balloons for outside of frame (in inches)

d =

d = diameter of balloons for inside of frame (in inches)



$$(F * D) / (F + (2.68 * D)) = d$$



Geometry


Use this screen to find the diagonal across a room or box or to find the distance around a circle.

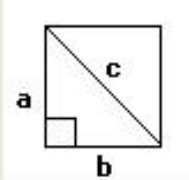
Pythagorean Theorem

a

b

c =




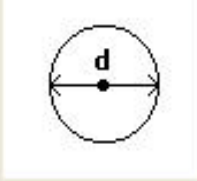


Circumference of a Circle

d

circumference =





Example

If a room is 20 feet wide and 30 feet long then the diagonal is 36 feet.

Example

If you have a circle that is 10 feet across then the distance around that circle is 31.4 feet

Area

To Find the area of an object enter in the dimensions as shown and click on the calculate button.

You may specify the dimensions in inches or feet by clicking on the appropriate button.

Example

If you wish to know the number of balloons to cover an area, enter in the diameter of the balloon and the number needed is calculated.

If the ceiling is 20 feet by 30 feet and you blew up the balloons to 11" diameter then you need 691 balloons to cover the ceiling.

The screenshot shows a software window titled "Formulas" with a blue title bar. The window contains several panels for calculating the area of different shapes, each with a diagram and input fields. The "Rectangle" panel is active, showing dimensions a=20 and b=30, resulting in an area of 600 sq.ft. The "Circle" panel shows diameter d. The "Parallelogram" panel shows base b and height h. The "Triangle" panel shows base b and height h. The "Ellipse" panel shows radii r1 and r2. To the right, there are input fields for "Size of balloon in inches" (11) and "Number of balloons needed" (691). Below these are radio buttons for "Input" and "Output" units, with "feet" selected for both. At the bottom right are "Clear" and "Close" buttons. The bottom of the window has a navigation bar with tabs: Helium Lift, Sq.Packed Circ., Geometry, Area (selected), Volume, Surface, Nets, and Columns.

Shape	Dimensions	Area
Square	a	Area =
Circle	d	Area =
Rectangle	a = 20, b = 30	Area = 600 sq.ft.
Ellipse	r1, r2	Area =
Parallelogram	b, h	Area =
Triangle	b, h	Area =

Size of balloon in inches: 11
Number of balloons needed: 691

Input: ☐ inches ☒ feet
Output: ☐ inches ☒ feet

Clear Close

Helium Lift Sq.Packed Circ. Geometry Area Volume Surface Nets Columns

NOTE:

You must indicate that you using feet for the input and you want feet for the output. Just click on the appropriate button.

Volume

To find the volume of an object enter in the dimensions as shown and click the calculate button. You may specify the input and output dimensions.

Example

If you want to know how many inflated balloons will fit in the object enter in the diameter of the inflated balloon in inches and the number of balloons is calculated.

If a room is 8 feet tall and 20 feet wide and 30 feet long and you use 11" balloons you need 7742 balloons to fill this room.

The screenshot shows a software window titled "Formulas" with a blue title bar and standard window controls. The interface is divided into several sections for calculating the volume of different geometric shapes:

- Cube:** Input field for side length 'a' is empty. A diagram of a cube is shown with side length 'a' labeled. The volume calculation button is present, and the result field shows "Volume =".
- Cone:** Input fields for height 'h' and radius 'r' are empty. A diagram of a cone is shown with height 'h' and radius 'r' labeled. The volume calculation button is present, and the result field shows "Volume =".
- Pyramid:** Input fields for height 'h' and base length 'b' are empty. A diagram of a pyramid is shown with height 'h' and base length 'b' labeled. The volume calculation button is present, and the result field shows "Volume =".
- Rectangle:** Input fields for dimensions 'a', 'b', and 'c' contain the values 8, 20, and 30 respectively. A diagram of a rectangular prism is shown with dimensions 'a', 'b', and 'c' labeled. The volume calculation button is present, and the result field shows "Volume = 4800. cu.ft.".
- Sphere:** Input field for diameter 'd' is empty. A diagram of a sphere is shown with diameter 'd' labeled. The volume calculation button is present, and the result field shows "Volume =".
- Cylinder:** Input fields for height 'h' and radius 'r' are empty. A diagram of a cylinder is shown with height 'h' and radius 'r' labeled. The volume calculation button is present, and the result field shows "Volume =".
- Ellipsoid:** Input fields for radii 'r1', 'r2', and 'r3' are empty. A diagram of an ellipsoid is shown with radii 'r1', 'r2', and 'r3' labeled. The volume calculation button is present, and the result field shows "Volume =".

On the right side of the interface, there are additional controls:

- A dropdown menu for "Size of balloon in inches" is set to "11" reg".
- An input field for "Number of balloons needed" contains the value 7742.
- Two groups of radio buttons for "Input" and "Output" units, both set to "feet".
- Buttons for "Clear" and "Close".

At the bottom of the window, there is a tabbed interface with the following tabs: Helium Lift, Sq.Packed Circ., Geometry, Area, Volume (selected), Surface, Nets, and Columns.

NOTE:

You must indicate that you are using feet for the input and you want feet for the output. Just click on the appropriate button.

Surface

Use this screen to find the surface area of an object.

To find out the number of balloons needed to cover an object, enter in the diameter of the balloon in inches and click on the calculate button.

Example

If you are covering a box that is 10 feet square and you are covering it with balloons that are 3.5" in diameter then you need 6556 balloons.

The screenshot shows a software window titled "Formulas" with a blue title bar and standard window controls. The interface is divided into several sections for different geometric shapes:

- Cube:** Features a diagram of a cube with side length 'a'. The "Surface Area =" field displays "600. sq.ft.".
- Rectangle:** Features a diagram of a rectangular prism with dimensions 'a', 'b', and 'c'. The "Surface Area =" field is empty.
- Cylinder:** Features a diagram of a cylinder with height 'h' and radius 'r'. The "Surface Area =" field is empty.
- Sphere:** Features a diagram of a sphere with diameter 'd'. The "Surface Area =" field is empty.

Below these sections, there are input fields and buttons for balloon calculations:

- Diameter of balloon in inches:** A text input field containing the value "3.5".
- Number of balloons needed:** A text input field containing the value "6556".
- Input/Output Units:** Two groups of radio buttons. The "Input" group has "inches" (unselected) and "feet" (selected). The "Output" group has "inches" (unselected) and "feet" (selected).
- Buttons:** "Clear" and "Close" buttons are located at the bottom right of the main content area.

At the bottom of the window, a breadcrumb trail reads: Helium Lift / Sq.Packed Circ. / Geometry / Area / Volume / Surface / Nets / Columns /

Note:

You must indicate that you are using feet for the input and you want feet for the output. Just click on the appropriate button.

Nets

To find the size of a net to hold a number of balloons use this screen.

You can also find the length, width or the number of balloons by clicking on the button in the Calculate box and entering in the needed information.

The number of actual balloons that will fit may vary due to how tightly you pack them into the net.

There is a packing factor that you can change to adjust to your method of packing. Its use is explained elsewhere.

The screenshot shows a software interface for calculating net dimensions. On the left, there are input fields for 'Balloon size in inches' (a dropdown menu), 'Width of net in feet', 'Length of net in feet', 'Stitch overlap in inches', and 'Number of balloons' (a text box). Below these fields is a small calculator icon. In the center, there is a 'Calculate' section with three radio buttons: 'width', 'length', and 'balloons' (which is selected). Below the radio buttons are two buttons: 'Clear' (with an eraser icon) and 'Close' (with a door icon). On the right, there is a diagram of a rectangular net. The diagram is labeled 'Rigging Points' at the top, 'Length' at the bottom, and '1/2 Width' on the right side. Below the diagram, it says 'Stich along the sides and the bottom'.

Example 1

Suppose you wanted to know the size net you would need for 2500 9" balloons.

The length of your net material is 17 feet wide and 100 feet long.

So you need to calculate the LENGTH of the net.

Select the length button under the Calculate Grid.

Select the size of balloon in this case 9".

Enter in the width of the net.

Enter the stitch overlap. Normally 6 inches is suggested.

Enter in the number of balloons (2500)

Now click on the calculator button and you will see that your net needs to be approximately 60 feet long.

The screenshot shows a software interface for calculating net dimensions. On the left, there are input fields for: 'Balloon size in inches' (set to 9"), 'Width of net in feet' (17), 'Length of net in feet' (60.209), 'Stitch overlap in inches' (6), and 'Number of balloons' (2500). Below these is a small calculator icon. In the center, a 'Calculate' section has three radio buttons: 'width', 'length' (which is selected), and 'balloons'. Below the radio buttons are 'Clear' and 'Close' buttons. On the right, a diagram titled 'Rigging Points' shows a rectangular net with three vertical lines representing balloons. A dimension line on the right indicates '1/2 Width' and a dimension line at the bottom indicates 'Length'. Below the diagram, the text 'Stich along the sides and the bottom' is written.

Example 2

Suppose you wanted to know how many 11" balloons will fit in a net that is 15 feet wide by 17 feet long.

So you need to calculate BALLOONS

Select the balloons button in the Calculate Grid.

Select the size of the balloon (11")

Enter in the width of the net.

Enter in the length of the net.

NOTE - The length and the width are not interchangeable. You must enter in the width and the length in the proper place and fold the net the same way or the amount of balloons that fit in the net will be different.

Enter the stitch overlap. Normally 6 inches is suggested.

Now click on the calculator button and you will see that your net will hold approximately 260 balloons.

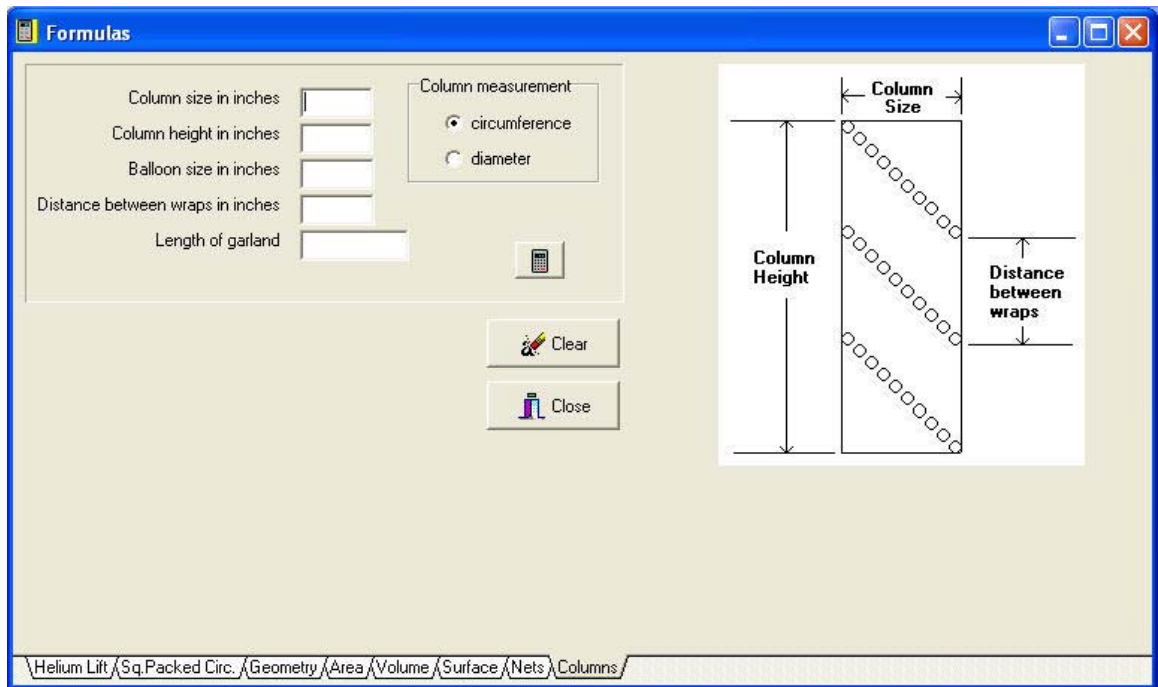
The screenshot shows a software interface for calculating the number of balloons that can fit in a net. On the left, there are input fields for 'Balloon size in inches' (set to '11" reg'), 'Width of net in feet' (15), 'Length of net in feet' (17), 'Stitch overlap in inches' (6), and 'Number of balloons' (261). Below these fields is a small icon of a net. In the center, there is a 'Calculate' section with three radio buttons: 'width', 'length', and 'balloons' (which is selected). Below the radio buttons are 'Clear' and 'Close' buttons. On the right, there is a diagram of a net layout. The diagram shows a rectangular net with three 'Rigging Points' marked along the top edge. A dimension line indicates '1/2 Width' for the distance between the first two rigging points. The overall dimensions are labeled 'Length' and '1/2 Width'. Below the diagram, the text 'Stich along the sides and the bottom' is visible.

Columns

To find the length of a garland to be wrapped around a column enter in the information on this screen.

A button for Column measurement was made so you can either measure the column around or across.

After you know the length of the garland needed you can use that information to calculate the number of balloons needed.



The image shows a software window titled "Formulas" with a blue title bar and standard window controls. The window contains a form for calculating garland length for a column. On the left, there are five input fields: "Column size in inches", "Column height in inches", "Balloon size in inches", "Distance between wraps in inches", and "Length of garland". To the right of these fields is a "Column measurement" section with two radio buttons: "circumference" (selected) and "diameter". Below these is a small calculator icon. At the bottom of the form are two buttons: "Clear" and "Close". To the right of the form is a diagram of a column with a garland wrapped around it. The diagram labels "Column Height" (vertical), "Column Size" (horizontal), and "Distance between wraps" (vertical). The garland is represented by a line of small circles. At the bottom of the window is a breadcrumb trail: "\Helium Lift\Sq.Packed Circ.\Geometry\Area\Volume\Surface\Nets\Columns\".

Example

Suppose you have a column that is 24 inches across (24 inch diameter)

The column is 8 feet tall and you will size the balloon to 4 inches and the wrap needs to be 24 inches apart.

First select the diameter button in the “Column Measurement” box.

Enter in the column measurement in inches (24)

Enter in the column height in inches ($12 \times 8 = 96$)

Enter in size of the inflated balloons diameter (4 inches)

Enter in the distance apart that you want the wraps (24 inches)

Click on the calculate button and you can see that you need a garland that is approximately 34.452 feet long.

To find the number of balloons needed you would need to go to the component screen and use the length just found in the garland formula.

The screenshot shows a software window titled "Formulas" with a blue title bar. Inside, there are several input fields and a "Calculate" button. The inputs are: "Column size in inches" (24), "Column height in inches" (96), "Balloon size in inches" (4), and "Distance between wraps in inches" (24). The "Length of garland" field shows the result "34.452 ft.". To the right of the inputs is a "Column measurement" section with two radio buttons: "circumference" and "diameter", with "diameter" selected. Below the inputs are "Clear" and "Close" buttons. On the right side of the window is a diagram of a column wrapped with balloons. The diagram labels "Column Size" (width), "Column Height" (height), and "Distance between wraps" (vertical spacing between rows of balloons). The bottom of the window has a navigation bar with tabs: "Helium Lift", "Sq.Packed Circ.", "Geometry", "Area", "Volume", "Surface", "Nets", and "Columns".

Special Circumstances

Each job is saved with the current percentages.

That way, if you change your percentages in the future it will not alter past jobs.

However, if you need to change a past job to your current percentages you can.

Be extremely careful because this will change your prices.

By pressing the **Ctrl + U** while on the **Details** Screen a pop up box will appear.

This box shows the past percentages and the present percentages.

By clicking the update button your past job will be evaluated using your current percentages.

Remember this will change the prices in your job.

Estimate		Current
30	Overhead	30
25	Profit	25
55	GP	55
5	Popage	5
8	SalesTax	8

Update

Close

The picture shown above the ESTIMATE and CURRENT are the same because we did not alter the percentages after we did the job. You can see what percentages are saved with a job by pressing **Ctrl + U**

To register the program

When you install the program on a computer, the program generates a unique code based on that computer. The program is set to expire 10 days after it is installed. You must submit the generated code to Dynamite Magic & Balloons and you will receive a permanent unlock code.

You will see the generated code every time the program is activated until it is registered or expired. Once the program is registered then you will no longer see it. The registration code can be found by clicking **REGISTRATION** at the top of the screen.

You can register the program by calling 334 270-1234 or by Emailing the code to gllmagic@aol.com

This is the easiest way

Or by going to the web site www.dynamitemagicandballoons.com and clicking on the **Balloon Calculator[®]** registration page.