FunnelChart Control Reference

Show quantities through successive stages, such as production yield.

Reference **Controls** **Charts** FunnelChart

Available from FrameworX 10.1.6.

The FunnelChart draws a sequence of stages, each a trapezoid whose width is proportional to its value, labelled with the value and its percent of the first stage. Use it for production yield step by step (started, passed test, packed, shipped) or any process where quantities drop from stage to stage. Set **Pyramid** to draw the first stage at the bottom.

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Requirements

This component is Portable. It runs both on Windows and on Web Pages hosted on any platform.

Clients: works in the Rich Client and in the web client (HTML5), with the same values and layout on both. Verified on FrameworX 10.1.6.

Configuration

1. Go to **Displays / Draw**.
2. In the Components Panel, select **Charts**, then choose **FunnelChart**.
3. Click or drag-and-drop the component into the drawing area.
4. Double-click the object to open the configuration window.

Data Binding

- **Tag mode** (default): fill the **Stages** list, in order. Each stage has a **Label**, a **LinkedValue** (a number, a tag or an expression) and an optional **FillBrush**.
- **Table mode**: set **UseDataTable** to true and point **DataSourceLink** to a Dataset query or table (`@Dataset.Query.Name` / `@Dataset.Table.Name`) or a tag that holds a DataTable (`@Tag.Name`). **CategoryColumn** and **ValueColumn** name the columns.

Behavior

- Percents are relative to the first stage. When the first stage is 0, missing, or negligible against the others, the percents show a dash and the widths scale to the largest stage.
- A negative value is drawn as 0. A stage larger than the first shows more than 100 % at the width of the first stage.
- At most 20 stages are drawn; the remaining ones are summarized as "+N more".

Properties

Property	Description	Default
Stages	Tag mode: the stages, in order (Label, LinkedValue, FillBrush).	(empty)
UseDataTable	Read the stages from a table instead of the Stages list.	false
DataSourceLink	Table mode: the data source (Dataset query or table, or a DataTable tag).	(empty)
CategoryColumn	Table mode: column that holds the stage label.	Category
ValueColumn	Table mode: column that holds the stage value.	Value
Pyramid	Draw the first stage at the bottom.	false
StageGap	Space between stages, in pixels.	2
ShowValues	Show the value of each stage.	true
ShowPercent	Show the percent of the first stage.	true
ValueFormat	Format of the values.	#,0.##
PercentFormat	Format of the percents.	0.#

LabelFontSize	Font size of the labels.	11
LabelFontFamily	Font family of the labels.	Verdana
Localize	Enable runtime text localization.	false

Colors follow the Display theme by default: each color property has a theme slot. Set an explicit color (#AARRGGBB) only to override the theme. Color properties: **StageFill** (theme accent; a stage FillBrush overrides it) and **LabelForeground**.

Example

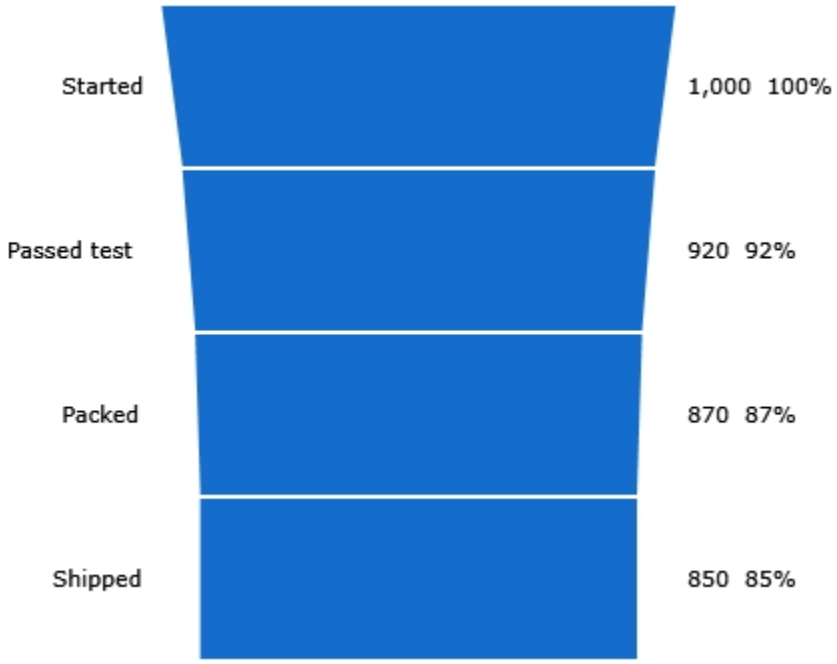
Production yield of one batch, in tag mode with four stages:

Label	Value	Shown as
Started	1000	1,000 100%
Passed test	920	920 92%
Packed	870	870 87%
Shipped	850	850 85%

Each trapezoid narrows in proportion to its value, so the 15 % loss from start to shipment is visible at a glance.

Runtime Execution

At runtime the FunnelChart resizes the stages and updates the values and percents as the bound values change. The image shows the example above in the Rich Client; the web client draws the same chart.



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