

# Printit - Form and Window Printing Module

---

## The Components

 [TPrintWin](#)

 [THRule](#)

 [TVRule](#)

 [TShowTotal](#)

## The Print Viewer

◆ [The Print Viewer](#)

## Additional Information

- ◆ [Product Information](#)
- ◆ [Order Information](#)
- ◆ [3rd Party Product Support](#)
- ◆ [Multi-Language Support](#)
- ◆ [Product Support](#)

[About](#)

## **ORDER FORM**

Orders must be placed by filling out the necessary order forms - see icons in PrintIt! group.

## Product Information

### Overview

*Printit is a set of Visual Component Library Classes that makes printing easy for the Delphi programmer. Programming to print was always a difficult task for the programmer. Even in Delphi printing is still a problem.*

If you want to print a report you must use a report generator. A report generator has the following disadvantages:

- \* It is slow to start up.
- \* It must be set up separately from your application
- \* If something changes in your original Query or Table then the report must be adjusted as well.
- \* It is not part of your application and a Run Time Version of the Report Generator is normally supplied with you application.

Report Generators are generally quite flexible when it comes to creating a variety of different reports.

If you want to print a form e.g. an Invoice or Job Card, it becomes more difficult with a Report Generator because of the disadvantages mentioned above.

## Enter - Printit

*Printit can remove the above disadvantages because Printit is a set of components that are linked into your executable.*

- \* Printit needs no licensing to end users. Only developers must have a license.
- \* Printit can make use of your Query and Table components. If your table or Query changes then Printit knows about the changes because Printit uses you Table or Query components as input.
- \* Printit can also print selected windows as they appear or mix them with Tables and/or Queries as required.
- \* Printit can mix graphics with your text or tables and draw lines, rectangles, circles, ellipses etc. and fill them with any color and/or use a pattern for all solid figures.
- \* Printit can change the headings of reports and use color as required.
- \* Printit has a preview utility to view any page before printing. The Viewer has built-in Zoom and Scroll facilities. The Viewer is very fast and optimized for screen redraw and printing.
- \* No extra DLL is necessary.
- \* Printit becomes part of your executable.

## DrawEllipse Method

---

### Applies to

TPrintWin Component

### Declaration

```
procedure DrawEllipse( x1, y1, x2, y2: Real );
```

### Description

The DrawEllipse method draws an ellipse defined by a bounding rectangle on the printer. The top-left point of the bounding rectangle is at Inches or Centimetre coordinates (x1, y1) and the bottom-right point is at (x2, y2). If the points of the rectangle form a square, a circle is drawn. Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawTableInRect Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawTableInRect( x1,y1,x2,y2: Real; Table: TTable;  
XMinimize: Boolean; PrintTotals: Boolean);

### Description

Draws the contents of a TTable and scale it to fit in a rectangle bounded by x1,y1,x2,y2

Measurements are in Inches or Centimetre depending on the setting of Units.



# TPrintWin Component

[Properties](#)

[Methods](#)

[Events](#)

[Types](#)

---

## Unit

PrnWin

## Description

The PrintWin component is used to print any mix of lines, rectangles, Tables, Queries, contents of windows, text etc.. By using the Fields Editor, the programmer can determine which fields of tables or queries are going to be printed. The programmer can hide controls which should not be printed or print tables or queries which only has a TTable or TQuery component without a visual component.

Numerous settings can be applied to change the appearance of the PrintWin component. Fonts, Colors and brushes can be changed as deemed necessary. Use the [FooterEnabled](#) , [FooterFilled](#) , [FooterLine](#), [FooterOutlined](#), [FooterString](#), [FooterTop](#) properties to format and display the footer. Use the [HeaderEnabled](#) , [HeaderFilled](#) , [HeaderLine](#), [HeaderOutlined](#), [HeaderString](#), [HeaderTop](#) properties to format and display the header

The [BorderTop](#), [BorderLeft](#) and [BorderRight](#) properties determine the borders. The [LineSpacing](#) property determine the distance between 2 lines when printing the contents of a window.

The PrintWin methods can be split into 2 groups.

### 1. The absolute control group

These include the basic drawing methods like methods for drawing lines, text, rectangles, pies, arcs, bitmaps, grids, windows and their contents, Tables, Queries, etc. With this group the programmer must decide by using the [NewPage](#) method when to go onto a new page. Each page can have as many components as the programmer desire. The drawbacks of this group are the follow:

- a. The programmer has to do more programming than group 2.
- b. Tables and Queries currently cannot continue onto a second page - so the contents must fit on one page or will be clipped at the edge of the page.

### 2. The automatic print group

The main method of this group is the [DrawWindowMultiple](#) method. It takes as arguments the offset onto a page and the TWinControl that contains the components that must be printed. This TWinControl can be one of the following:

- TForm,
- TPanel
- TScrollBar
- TNotebook

All supported components on these pages will be printed

## BorderRight Property

---

### Applies to

TPrintWin component

### Declaration

**property** BorderRight: double

### Description

Indicates the border on the right side of the page where there should be no printing. Measurements are in Inches or Centimetre depending on the setting of Units.

## BorderLeft Property

---

### Applies to

TPrintWin component

### Declaration

**property** BorderLeft: double

### Description

Indicates the border on the left side of the page where there should be no printing. Measurements are in Inches or Centimetre depending on the setting of Units.



## Brush Property

---

### Applies to

TPrintWin Component

### Declaration

**property** Brush: TBrush;

### Description

Indicates the brush which should be used for the background and for filling in objects e.g. rectangles, arcs, etc. Please note that if a component has a brush property then that will be used instead.

## TextColor Property

---

### Applies to

TPrintWin component

### Declaration

**property** TextColor: TColor;

### Description

TheTextColor property determines the color of the text characters.

## FooterEnabled Property

---

### Applies to

TPrintWin components

### Declaration

**property** FooterEnabled: Boolean

### Description

Indicate if the footer should print on the page. The default value is True;

## FooterFilled Property

---

### Applies to

TPrintWin Component

### Declaration

**property** FooterFilled: Boolean

### Description

Indicate if the footer should be filled with the current brush. The default value is False



## THRuler Component

[Properties](#)

[Methods](#)

[Events](#)

---

### Unit HRuler

#### Description

The [TVRuler](#) and THRuler components are used primarily in the design stage of a project. They are Vertical and horizontal rulers which can be set for Inches or Centimetre. They are normally used together with the [GridBackDrop](#) and [GridBackdropUnits](#) properties of [TPrintWin](#) component.

They can be set on Panels, ScrollBoxes, Forms etc.

## FooterLeft Property

---

### Applies to

TPrintWin components

### Declaration

**property** FooterLeft: double

### Description

Indicate the left starting position of the footer. Measurements are in Inches or Centimetre depending on the setting of Units.

## FooterLine Property

---

### Applies to

TPrintWin components

### Declaration

**property** FooterLine: Boolean

### Description

Indicate if the footerline should be printed. The default value is True.

## FooterOutlined Property

---

### Applies to

TPrintWin components

### Declaration

**property** FooterOutlined: Boolean;

### Description

Indicate if the footer should be outlined with the current pen. The default value is False.



## FooterString Property

---

### Applies to

TPrintWin components

### Declaration

**property** FooterString: String

### Description

Indicate the string that should appear as the Footer.

## FooterTop Property

---

### Applies to

TPrintWin components

### Declaration

**property** FooterTop: double

### Description

Indicates the top position where the footer should start printing. Measurements are in Inches or Centimetre depending on the setting of Units.

## HeaderEnabled Property

---

### Applies to

TPrintWin components

### Declaration

**property** HeaderEnabled: Boolean

### Description

Indicate if the header should print on the page. The default value is True;

## HeaderFilled Property

---

### Applies to

TPrintWin components

### Declaration

**property** HeaderFilled: Boolean

### Description

Indicate if the header should be filled with the current brush. The default value is False

## HeaderLeft Property

---

### Applies to

TPrintWin components

### Declaration

**property** HeaderLeft: double;

### Description

Indicate the left starting position of the header. Measurements are in Inches or Centimetre depending on the setting of Units.

## HeaderLine Property

---

### Applies to

TPrintWin components

### Declaration

**property** HeaderLine: Boolean

### Description

Indicate if the header line should be printed. The default value is True.

## HeaderOutlined Property

---

### Applies to

TPrintWin components

### Declaration

**property** HeaderOutlined: Boolean

### Description

Indicate if the header should be outlined with the current pen. The default value is False.

## HeaderString Property

---

### Applies to

TPrintWin components

### Declaration

**property** HeaderString: String

### Description

Indicate the string that should appear as the Header.



## HeaderTop Property

---

### Applies to

TPrintWin components

### Declaration

**property** HeaderTop: double

### Description

The HeaderTop property determines the vertical coordinate of the top edge of the Header if the header is to be printed. Measurements are in Inches or Centimetre depending on the setting of Units.

# Name Property

---

## Applies to

TPrintWin components

## Declaration

**property** Name: TComponentName;

## Description

The Name property contains the name of the component as referenced by other components. By default, Delphi assigns sequential names based on the type of the component, such as 'Button1', 'Button2', and so on. You may change these to suit your needs.

Note: Change component names only at design time.

## XOffset Property

---

### Applies to

THRuler component

### Declaration

**property** XOffset: Real;

### Description

Indicates the distance from the left of the parent window. If negative then only the positive part of the ruler will be displayed. It displays measurements in Inches or Centimetre depending on the settings of the Units property.

## Pen Property

---

### Applies to

TPrintWin Component

### Declaration

**property** Pen: TPen;

### Description

A canvas object's Pen property determines what kind of pen the canvas uses for drawing lines and shape outlines.

## Bold Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** Bold;

### Description

Changes the current font to Bold All other attributes remain the same.

## THRuler Properties

---

XOffset

Units

AlignRuler

## Tag Property

---

### Applies to

TPrintWin component

### Declaration

**property** Tag: LongInt

### Description

The Tag property is available to store an integer value as part of a component. This is the default Delphi Tag property which the user can use.

## DrawQueryInRect Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawQueryInRect x1,y1,x2,y2: Real; Table: TTable;  
XMinimize: Boolean; PrintTotals: Boolean);

### Description

Draws the contents of a TQuery and scale it to fit in a rectangle bounded by x1,y1,x2,y2

Measurements are in Inches or Centimetre depending on the setting of Units.



## OutputTo Property

---

### Applies to

TPrintWin components

### Declaration

**property** OutputTo TOutput;

### Description

Indicates where the output will be sent to. This can take on the values of poPrinter or poViewer.

## GridBackDropUnits Property

---

### Applies to

[TPrintWin](#) Component

### Declaration

**property** GridBackDropUnits: TUnits;

### Description

Indicates the units which must be used when printing the backdrop rulers. It can be inches or centimetres. See also [GridBackDrop](#).



## TVRuler Component

[Properties](#)

[Methods](#)

[Events](#)

---

### Unit VRuler

#### Description

The TVRuler and THRuler components are used primarily in the design stage of a project. They are Vertical and horizontal rulers which can be set for Inches or Centimetre. They are normally used together with the [GridBackDrop](#) and [GridBackdropUnits](#) properties of [TPrintWin](#) component.

They can be set on Panels, ScrollBoxes, Forms etc.

## PageWidth Method

---

### Applies to

TPrintWin Component

### Declaration

```
function PageWidth: Real;
```

### Description

Returns the Width of the page on the printer in Inches or Centimetre depending on the setting of Units

## OnAfterPrint Event

---

### Applies to

TPrintWin component

### Declaration

**property** OnAfterPrint: TNotifyEvent;

### Description

The OnAfterPrint event occurs after the complete Report has been printed. Your application can use this event to do any necessary cleanup.

## OnBeforePrint Event

---

### Applies to

TPrintWin component

### Declaration

**property** OnBeforePrint: TNotifyEvent;

### Description

The OnBeforePrint event occurs before anything has been printed. Your application can use this event to do any necessary initialization.

## OnNewPage Event

---

**Applies to**

**TPrintWin component**

**Declaration**

**property** OnNewPage: TNotifyEvent;

**Description**

The OnNewPage: event occurs before a new page starts printing. Your application can use this event to do any necessary cleanup per page.

## OnPrint Event

---

### Applies to

TPrintWin component

### Declaration

**property** OnPrint: TNotifyEvent;

### Description

The OnPrint event occurs before printing starts for each page. Your application can use this event to do any necessary initialization



## OnPrintHeader Event

---

**Applies to**

**TPrintWin** component

**Declaration**

**property** OnPrintHeader: TNotifyEvent;

**Description**

The OnPrintHeader event occurs before the header is printed. Your application can use this event to do any necessary initialization

## OnPrintFooter Event

---

### Applies to

TPrintWin component

### Declaration

**property** OnPrintFooter: TNotifyEvent;

### Description

The OnPrintFooter event occurs before the footer is printed. Your application can use this event to do any necessary initialization

## OnPrintPage Event

---

### Applies to

TPrintWin Component

### Declaration

**property** OnPrintTable TNotifyEvent;

### Description

The OnPrintTable event occurs before a table or query is printed. Your application can use this event to do any necessary initialization

## OnPrintPage Event

---

### Applies to

TPrintWin component

### Declaration

**property** OnPrintPage: TNotifyEvent;

### Description

The OnPrintPage event occurs before the page is printed. Your application can use this event to do any necessary initialization

## DateTimeStampEnabled Property

---

### Applies to

TPrintWin components

### Declaration

**property** DateTimeStampEnabled Boolean

### Description

Indicates if the DateTimeStamp must appear on the left bottom of the printout. The default value is True

## DrawQueryAt Method

---

### Applies to

TPrintWin Component

### Declaration

```
procedure DrawQueryAt( XOffset: Real; YOffset: Real; Query TQuery; XMinimize: Boolean; PrintTotals: Boolean);
```

### Description

The DrawQueryAt method draws the Query on the printer starting at position XOffset,YOffset from the left and top of the printer page.

If XMinimize is True then TPrintWin will optimize the size of the Query horizontally.

If PrintTotals is True then totals will be printed at the end of the Query

DrawQuery currently cannot continue on a new page.

## ViewHeading Property

---

### Applies to

TPrintWin Component

### Declaration

**property** ViewHeading: **string**;

### Description

Indicates the Window header when using the Print Viewer.

## BeginPrint Method

---

### Applies to

TPrintWin Component

### Declaration

```
procedure BeginPrint;
```

### Description

This method should be the first method to be called for TPrintWin. It initializes the necessary variables to be able to print.



## FixSansSerif Property

---

### Applies to

TPrintWin Component

### Declaration

**property** FixSansSerif: Boolean

### Description

If set to True then all occurrences of MS Sans Serif fonts will be replaced with Arial. This is done because the MS Sans Serif Font does not scale very well.



## TVRuler Component

[Properties](#)

[Methods](#)

[Events](#)

---

### Unit VRuler

#### Description

The TVRuler and [THRuler](#) components are used primarily in the design stage of a project. They are Vertical and horizontal rulers which can be set for Inches or Centimetre. They are normally used together with the [GridBackDrop](#) and [GridBackdropUnits](#) properties of [TPrintWin](#) component.

They can be set on Panels, ScrollBoxes, Forms etc.

## TotalType Property

---

### Applies to

TShowTotal Component

### Declaration

**property** TotalType: TTotals;

### Description

Indicates what the type of the output will be. The values can be

tPageTotal, - a Page Total of a specific field in a TDBGrid will be displayed - Used ONLY with DrawWindowMultiple

tAccTotal, - a Running Total of a specific field in a TDBGrid will be displayed - Used ONLY with DrawWindowMultiple

tPageNumber, - The Current Page number will be displayed

tDate, - The Current Date will be displayed

tTime, - The Current Time will be displayed

tText - The text in the property Text will be displayed

## TPrintWin Properties

---

|                             |                           |                          |
|-----------------------------|---------------------------|--------------------------|
| <u>BorderLeft</u>           | <u>FrameStyle</u>         | <u>LineSpacing</u>       |
| <u>BorderRight</u>          | <u>GridBackDrop</u>       | <u>LineWidth</u>         |
| <u>BorderTop</u>            | <u>GridBackDropUnits</u>  | <u>Name</u>              |
| <u>Brush</u>                | <u>HeaderEnabled</u>      | <u>Orientation</u>       |
| <u>DateTimeStampEnabled</u> | <u>HeaderFilled</u>       | <u>OutputTo</u>          |
| <u>FixSansSerif</u>         | <u>HeaderFont</u>         | <u>PageNumberEnabled</u> |
| <u>FooterEnabled</u>        | <u>HeaderLeft</u>         | <u>Pen</u>               |
| <u>FooterFilled</u>         | <u>HeaderOutlined</u>     | <u>Tag</u>               |
| <u>FooterFont</u>           | <u>HeaderStringCenter</u> | <u>Units</u>             |
| <u>FooterOutlined</u>       | <u>HeaderStringLeft</u>   | <u>ViewBkColor</u>       |
| <u>FooterString</u>         | <u>HeaderStringRight</u>  | <u>ViewHeading</u>       |
| <u>FooterTop</u>            | <u>HeaderTop</u>          | <u>ZoomPercentage</u>    |
| <u>FrameObjects</u>         | <u>Interrupted</u>        |                          |

## TPrintWin Methods

---

[BeginPrint](#)  
[BitBlt](#)  
[Bold](#)  
[DrawArc](#)  
[DrawEllipse](#)  
[DrawGrid](#)  
[DrawLine](#)  
[DrawPie](#)  
[DrawQuery](#)  
[DrawQueryAt](#)  
[DrawQueryInRect](#)  
[DrawQueryRecord](#)  
[DrawRect](#)  
[DrawRectAt](#)  
[DrawRoundRect](#)  
[DrawTable](#)  
[DrawTableAt](#)  
[DrawTableInRect](#)  
[DrawTableRecord](#)  
[DrawText](#)  
[DrawTextAt](#)  
[DrawThickThick](#)  
[DrawThickThin](#)  
[DrawThinThick](#)  
[DrawThinThin](#)  
[DrawWindow](#)  
[DrawWindowAt](#)  
[DrawWindowInRect](#)  
[DrawWindowMultiple](#)  
[EndPrint](#)  
[FrameTableRecord](#)  
[FrameWindow](#)  
[GetFontColor](#)  
[GetFontHeight](#)  
[GetFontName](#)  
[GetPageTotal](#)  
[GetControlHeight](#)  
[GetControlWidth](#)  
[GetPageHeight](#)  
[GetPageWidth](#)  
[GetTextHeight](#)  
[GetTextWidth](#)  
[GetRunningTotal](#)  
[GetWindowBottom](#)  
[Interrupted](#)  
[IsBold](#)  
[IsItalic](#)

IsUnderline  
Italic  
NewFont  
NewPage  
Normal  
PageHeight  
PageWidth  
PrintBitmap  
SelectFont  
SelectHatchedBrush  
SelectPen  
SelectSolidBrush  
SetColumnWidth  
SetFillObjects  
SetFrameStyle  
SetTheTextColor  
Underline

## TPrintWin Events

---

[OnAfterPrint](#)

[OnBeforePrint](#)

[OnNewPage](#)

[OnPrint](#)

[OnPrintFooter](#)

[OnPrintHeader](#)

[OnPrintPage](#)

## FrameObjects Property

### Applies to

TPrintWin components

### Declaration

```
property FrameObjects: Boolean;
```

### Description

Indicates if objects are to be framed. The default is True.



# FrameStyle Property

## Applies to

TPrintWin components

## Declaration

**property** FrameStyle: TFrameStyle;

## Description

Determines the style of frame which will be drawn around objects. Valid values are

- frThin
- frThinThin
- frThinThick
- frThickThin
- frThickThick

## DrawArc Method

---

### Applies to

TPrintWin Component

### Declaration

```
procedure DrawArc( x1, y1, x2, y2 ,x3, y3, x4, y4 : Real );
```

### Description

The DrawArc method draws an arc on the printer along the perimeter of the ellipse bounded by the specified rectangle. Coordinates x1 y1 and x2 y2 define the enclosing rectangle for the arc. The arc starts at the intersection of the ellipse edge and the line from the center of the ellipse to the specified starting point x3 y3. The arc is drawn counterclockwise until it reaches the position where the ellipse edge intersects the line from the center of the ellipse to the specified ending point x4 y4. Measurements are in Inches or Centimetre depending on the setting of Units.

## TVRuler Properties

---

Yoffset

Units

AlignRuler

## LineWidth Property

### Applies to

TPrintWin components

### Declaration

```
property LineWidth: Integer;
```

### Description

Determines the width of the line which is used for drawing. The default is 1.

## PrintBitmap Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** PrintBitmap(XOffset: Real; YOffset: Real; Width: Real; Height: Real; Bitmap: TBitmap);

### Description

Draws a Bitmap by using a TBitmap. If Width and Height are both 0 then then Height and Width of the bitmap will be used as read from the file.

If Height and Width are not 0 then the bitmap will be stretched to fit the rectangle

Measurements are in Inches or Centimetre depending on the setting of Units.

# BorderTop Property

## Applies to

TPrintWin components

## Declaration

**property** BorderTop: Real

## Description

Indicates the border in Inches or Centimetre on the top side of the page where there should be no printing.

Measurements are in Inches or Centimetre depending on the setting of Units.

## Alignment Property

---

### Applies to

TShowTotal Component

### Declaration

**property** Alignment: TAlignment;

### Description

Indicates the alignment of the text in the control. Valid values are:

- taLeftJustify
- taCenter
- taRightJustify

## ShowOn Property

---

### Applies to

TShowTotal Component

### Declaration

**property** ShowOn: TShow;

### Description

Indicates on which pages of the printed output this specific component should be displayed Valid values are:

- tFirstPage
- tLastPage
- tAllPages
- tAllButFirst
- tAllButLast
- tFirstAndlast
- tAllButFirstAndLast



## AlignRuler Property

---

### Applies to

THRuler and TVRuler component

### Declaration

**property** AlignRuler: Boolean;

### Description

When clicked on this property, the ruler will be align to the top-left corner of the parent window.

## Multi Language Support

---

### Applies to

TPrintWin component

### Description

Multi Language Support allows the programmer to change the text on the buttons and Dialog boxes which are used in the Viewer.

### To change the language do the following:

**Make sure that the DELPHI\BIN directory is on your path for the resource compiler BRC.EXE to work**

- ◆ Edit the file named STRING.RC in the Printit component directory
- ◆ Compile the file with the Borland Resource compiler e.g.  
BRC -r STRING.RC
- ◆ Include the generated .RES file in your main application  
{ \$R STRING.RES }

(The best is to include it like this

**implementation**

```
{ $R *.DFM }  
{ $R STRING.RES }
```

- ◆ Recompile and link your application

## PageHeight Method

---

### Applies to

TPrintWin Component

### Declaration

```
function PageHeight Real;
```

### Description

Returns the Height of the page on the printer in Inches or Centimetre depeing on the setting of Units

## GetPageTotal Method

---

### Applies to

TPrintWin Component

### Declaration

```
function GetPageTotal ( Grid: TCustomGrid; ColumnName: string): Real;
```

### Description

Returns a page total of a column in a TDBGrid of the current page. The total is already available at the beginning of the page. This option is used together with the DrawWindowMultiple method which is used to print Invoices, statements ,etc. The total is also available if a TShowTotal component is used.

## DrawWindowInRect Method

---

### See Also

[DrawWindowAt](#), [DrawWindowMultiple](#)

### Applies to

[TPrintWin](#) Component

### Declaration

```
procedure DrawWindowInRect (x1,y1,x2,y2: Real; Control: TWinControl);
```

### Description

The DrawWindowInRect method draws the contents of a window onto the printer scaling it to fit in the rectangle defined by the corners x1,y1,x2,y2. These measurements are in Inches or Centimetre depending on the setting of [Units](#).

This method currently supports the drawing of [supported drawing components](#) directly from the screen.

The same rules for drawing windows onto the printer applies as for [DrawWindowAt](#)

## LineSpacing Property

---

### Applies to

TPrintWin components

### Declaration

**property** LineSpacing: String

### Description

Indicates the distance between two lines. A value of 1.0 would insert the height of the text in between the two lines.

## Color Property

---

### **Applies to**

TShowTotal Component

### **Declaration**

**property** Color: TColor;

### **Description**

Indicates the background color for a component.

## GetTextWidth Method

---

### Applies to

TPrintWin Component

### Declaration

```
function GetTextWidth (str: string): Real;
```

### Description

Returns the Width of the string in Inches or Centimetre depending on the setting of Units.



## FooterFont Property

---

### Applies to

TPrintWin Components

### Declaration

**property** FooterFont: TFont;

### Description

Indicates the font that will be used to print the Footer at the bottom of the page.

## Create Method

---

### Applies to

TPrintWin Component

### Declaration

**constructor** Create;

### Description

The Create method allocates memory to create the object and initializes its data as needed. Each object can have a Create method customized to create that particular kind of object.

## Units Property

---

### Applies to

TPrintWin Component

### Declaration

**property** Units: TUnits;

### Description

Indicates the measurement system which must be used. Allowed values are:

- poInches
- poCentimetres

## ViewBkColor Property

---

### Applies to

TPrintWin Component

### Declaration

**property** ViewBkColor: TColor;

### Description

Indicates the background color which will be used when using the Print Viewer .

## DrawLine Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawLine( XFrom: Real; YFrom: Real; XTo: Real; YTo: Real);

### Description

Draws a line on the Printer from position XFrom, YFrom to XTo, YTo. Measurements are in Inches or Centimetre depending on the setting of Units.

## 3rd Party Product Support

---

### **Applies to**

TPrintWin Component

TPrintWin currently uses a TDBGrid as the starting point of its information gathering process when it uses any of the window printing methods that can print a grid e.g. DrawWindowMultiple. It looks at the DataSource connected to the TDBGrid and then looks at the DataSet property of the DataSource to determine the TTable or TQuery from which the information must flow.

Suppliers of grid components which are derived from a lower level e.g. from TCustomGrid can contact us to supply print support in the TPrintWin component for their products.

## Visible Property

---

### **Applies to**

TShowTotal Component

### **Declaration**

**property** Visible: Boolean

### **Description**

Indicates if a component should be displayed on the form.

## SetColumnWidth Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** SetColumnWidth ( Grid: TCustomGrid; ColumnName: string; Width: Real);

### Description

The SetColumnWidth method is used to set the absolute width of TDBGrid on the printer. It is used together with the DrawWindowMultiple method to align columns exactly. These measurements are in Inches or Centimetre depending on the setting of Units.

### Example

```
PrintWin1.SetColumnWidth ( DBGrid1, 'ItemNo', 0.75);
```



# Types

---

## Unit

CB\_Types

## Description

All the types in TPrintWin are in unit **CB\_Types**. **If you are coming from an earlier version of Printit then please make sure that this unit is included.**

The following types are used:

```
TFrameStyle =          (frThin, frThinThin, frThinThick, frThickThin, frThickThick);
TPosition =          (poLeft, poCenter, poRight);
TUnits =            (poInches, poCentimetres);
TOutput =          (poPrinter, poViewer);
TOrient =          (Default, Landscape, Portrait);
TFrameStyles =      (frNone, frSingleThick, frSingleThin, frDoubleThick, frDoubleThin,
frDoubleThickThin, frDoubleThinThick);
TDBInput =          (frTDBMemo);
TPageLayout =      (pl_1x1, pl_1x2, pl_1x3, pl_1x4, pl_2x2, pl_2x4);
TPagesToPrint =    (pAll, pOdd, pEven);
```

## DrawPie Method

---

### Applies to

TPrintWin Component

### Declaration

```
procedure DrawPie( x1, y1, x2, y2 ,x3, y3, x4, y4 : Real );
```

### Description

The Pie method draws the section of an ellipse bounded by the rectangle (x1, y1) and (x2, y2) on the printer. The section drawn is determined by two lines radiating from the center of the ellipse through the points (x3, y3) and (x4, y4). Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawRect Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawRect ( YFrom: Real YTo: Real Pos: TPosition; mWidth: Real

### Description

The DrawRect method draws a rectangle on the printer between lines YFrom and YTo. All positions and Widths are measured in Inches or Centimetre. Pos may have any of the following values:

- poLeft           - Rectangle will be left aligned
- poCenter       - Rectangle will be center aligned
- poRight         - Rectangle will be right aligned

mWidth determines the width of the rectangle in Inches or Centimetre. DrawRect draws the rectangle using the current brush and pen attributes.

Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawRectAt Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawRectAt( XFrom: Real; YFrom: Real; XTo: Real; YTo:Real);

### Description

The DrawRectAt method draws a rectangle with its upper-left corner at the point (XFrom: YFrom) and its lower-right corner at the point (XTo, YTo) . DrawRectAt draws the rectangle using the current brush and pen attributes. Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawRoundRect Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawRoundRect( X1, Y1, X2, Y2, X3, Y3: Real);

### Description

The DrawRoundRect method draws a rectangle on a printer with the upper-left corner at (X1, Y1) and the lower-right corner at (X2, Y2), much as the Rectangle method does. However, DrawRoundRect draws the corners as quarters of an ellipse with the width of X3 and a height of Y3. Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawTable Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawTable( YOffset: Real; Pos: TPosition; Table: TTable; XMinimize: Boolean; PrintTotals: Boolean);

### Description

The DrawTable method draws the Table on the printer starting at YOffset from the top of the printer page. Pos may have any of the following values:

- poLeft - Table will be left aligned
- poCenter - Table will be center aligned
- poRight - Table will be right aligned

If XMinimize is True then TPrintWin will optimize the size of the Table horizontally.

If PrintTotals is True then totals will be printed at the end of the Table. DrawTable currently cannot continue on a new page.

Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawTableAt Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawTableAt( XOffset: Real; YOffset: Real; Table: TTable; XMinimize: Boolean; PrintTotals: Boolean);

### Description

The DrawTableAt method draws the Table on the printer starting at position XOffset,YOffset from the top of the printer page.

If XMinimize is True then TPrintWin will optimize the size of the Table horizontally.

If PrintTotals is True then totals will be printed at the end of the Table. DrawTable currently cannot continue on a new page.

Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawTableRecord Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawTableRecord( XOffset: Real; YOffset: Real; Table: TTable);

### Description

The DrawTableRecord method draw the the current record of the Table vertically starting at position (XOffset, YOffset) Measurements are in Inches or Centimetre depending on the setting of Units.



## DrawText Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawText( YOffset: Real; Pos: TPosition; vText String);

### Description

The DrawText method draws text on the printer starting at line position YOffset.. Pos may have any of the following values:

- |          |  |
|----------|--|
| poLeft   | - Text will be left aligned on the page        |
| poCenter | - Rectangle will be center aligned on the page |
| poRight  | - Rectangle will be right aligned on the page  |

vText is the text that will be printed.

Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawTextAt Method

---

### Applies to

TPrintWin Component

### Declaration

```
procedure DrawTextAt( XOffset: Real; YOffset: Real; mText: String);
```

### Description

The DrawTextAt method draws text with its upper-left corner at the point (XOffset: YOffset). mText is the text that will be printed.

Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawThickThick Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawThickThick (x1, y1, x2, y2 : Real);

### Description

Draws 2 lines on the printer, one a 4-pixel wide line and the other a 4-pixel wide line. The line is drawn from point (x1,y1) to (x2,y2). The current pen is used. Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawThickThin Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawThickThin (x1, y1, x2, y2 : Real);

### Description

Draws 2 lines on the printer, one a 4-pixel wide line and the other a 1-pixel wide line. The line is drawn from point (x1,y1) to (x2,y2). The current pen is used. Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawThinThick Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawThinThick (x1, y1, x2, y2 : Real);

### Description

Draws 2 lines on the printer, one a 1-pixel wide line and the other a 4-pixel wide line. The line is drawn from point (x1,y1) to (x2,y2). The current pen is used. Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawThinThin Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawThinThin (x1, y1, x2, y2 : Real);

### Description

Draws 2 lines on the printer, one a 1-pixel wide line and the other a 1-pixel wide line. The line is drawn from point (x1,y1) to (x2,y2). The current pen is used. Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawWindow Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawWindow( YOffset: Real; Pos: TPosition; Control: TWinControl);

### Description

The DrawWindow method draws the contents of a window onto the printer starting at position YOffset.. Pos may have any of the following values:

- poLeft           - Window will be left aligned on the page
- poCenter        - Window will be center aligned on the page
- poRight         - Window will be right aligned on the page

Measurements are in Inches or Centimetre depending on the setting of Units.

This method currently supports the drawing of supported drawing components directly from the screen.

## DrawWindowAt Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawWindowAt( XOffset: Real; YOffset: Real; Control: TWinControl);

### Description

The DrawWindowAt method draws the contents of a window onto the printer starting at position point (XOffset,YOffset). Measurements are in Inches or Centimetre depending on the setting of Units.

Some components are ignored e.g. buttons, menus, scrollbars and non-visual components.

Normally the component that is passed over as the TWinControl is a TScrollBar, TForm or TPanel. All components contained within this TWinControl will be drawn. The vertical distance between edit controls can be set with the LineSpacing property. More than 1 window can be drawn to a printer page. Windows cannot currently continue onto the next page. More than 1 page can be drawn by using the NewPage Method.

This method currently supports the drawing of supported drawing components directly from the screen.

Comboboxes are not drawn in their pull-down state.

TImage and TDBImage currently can only contain bitmaps and not Icons or Windows meta files. These will be supported in a future release.

Measurements are in Inches or Centimetre depending on the setting of Units.

Additional components are constantly added. If you have a special requirement not covered by the above please let us know.



## EndPrint Method

---

### **Applies to**

TPrintWin Component

### **Declaration**

```
procedure EndPrint;
```

### **Description**

The EndPrint method must be called at the end of print to close printing.

## FrameTableRecord Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** FrameTableRecord( XOffset: Real; YOffset: Real; Table: TTable);

### Description

Draws a frame around a record printed with DrawTableRecord. Measurements are in Inches or Centimetre depending on the setting of Units.

## FrameWindow Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** FrameWindow( XOffset: Real; YOffset: Real; Control: TWinControl);

### Description

Draws a frame around a window printed with DrawWindowAt. Measurements are in Inches or Centimetre depending on the setting of Units.

## GetFontColor Method

---

### Applies to

TPrintWin Component

### Declaration

**function** GetFontColor: TColorRef;

### Description

Retrieves the current font color.

## GetFontHeight Method

---

### Applies to

TPrintWin Component

### Declaration

**function** GetFontHeight: Integer;

### Description

Retrieves the current font height

## GetFontName Method

---

### Applies to

TPrintWin Component

### Declaration

**function** GetFontName: String;

### Description

Retrieves the current font name.

## ZoomPercentage Property

---

### Applies to

TPrintWin components

### Declaration

**property** ZoomPercentage: double

### Description

Indicates the percentage zoom in the Viewer. Default is 100.

## GetWindowBottom Method

---

### Applies to

TPrintWin Component

### Declaration

**function** GetWindowBottom( XOffset: Integer; YOffset: Integer; Control: TWinControl): Integer;

### Description

Retrieves the bottom of a window in pixels..



## IsBold Method

---

### Applies to

TPrintWin Component

### Declaration

```
function IsBold: Boolean;
```

### Description

Returns True if the current font is set to bold.

## IsItalic Method

---

### Applies to

TPrintWin Component

### Declaration

**function** IsItalic: Boolean;

### Description

Returns True if the current font is set to italic

## IsUnderline Method

---

### Applies to

TPrintWin Component

### Declaration

**function** IsUnderline: Boolean;

### Description

Returns True if the current font is set to underline

## Italic Method

---

### **Applies to**

TPrintWin Component

### **Declaration**

**procedure** Italic;

### **Description**

Changes the current font to Italic. All other attributes remain the same.

## NewFont Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** NewFont (Name: String; Height: Integer; nBold: Boolean; nItalic: Boolean; nUnderLine: Boolean);

### Description

Selects a new font to print text with.

## NewPage Method

---

### **Applies to**

TPrintWin Component

### **Declaration**

**procedure** NewPage;

### **Description**

Generates a form feed to the printer. It should be called if the programmer wants to draw on a new page.

## DrawQuery Method

---

Applies to

TPrintWin Component

Declaration

```
procedure DrawQuery( YOffset: Real; Pos: TPosition; Query: TQuery; XMinimize: Boolean; PrintTotals: Boolean);
```

Description

The DrawQuery method draws the Query on the printer starting at YOffset from the top of the printer page. Pos may have any of the following values:

- poLeft - Table will be left aligned
- poCenter - Table will be center aligned
- poRight - Table will be right aligned

If XMinimize is True then TPrintWin will optimize the size of the Query horizontally.

If PrintTotals is True then totals will be printed at the end of the Query DrawTable currently cannot continue on a new page.

YOffset is measured in Inches or Centimetre depending on [Units](#)

## Normal Method

---

### **Applies to**

TPrintWin Component

### **Declaration**

**procedure** Normal;

### **Description**

Changes the current font to Normal All other attributes remain the same.



## SelectFont Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** SelectFont (Name: String; Height: Integer);

### Description

Select a new font.

## SelectHatchedBrush Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** SelectHatchedBrush (Color: Longint; Hatch: Integer);

### Description

Selects a hatched brush as the current brush. Valid values for Hatch are

- HS\_BDIAGONAL
- HS\_FDIAGONAL
- HS\_CROSS
- HS\_DIAGCROSS
- HS\_HORIZONTAL
- HS\_VERTICAL

## SelectPen Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** SelectPen (Width:Integer; Color: TColorRef);

### Description

Selects a new pen as the current pen.

## SelectSolidBrush Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** SelectSolidBrush (Color: Longint);

### Description

Select a new solid brush as the current brush.

## SetFillObjects Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** SetFillObjects (Fill: Boolean);

### Description

Indicates if objects e.g. arcs should be filled with the current brush.

## SetFrameStyle Method

---

### Applies to

TPrintWin Component

### Declaration

```
procedure SetFrameStyle( Style: TFrameStyle );
```

### Description

Sets the frame which will be used to draw certain objects. Options are:  
frThin, frThinThin, frThinThick, frThickThin or frThickThick

## SetTheTextColor Method

---

### **Applies to**

TPrintWin Component

### **Declaration**

**procedure** SetTheTextColor (Color: TColorRef);

### **Description**

Sets the color which will be used for printing text.

## Underline Method

---

### **Applies to**

TPrintWin Component

### **Declaration**

**procedure** Underline;

### **Description**

Changes the current font to underline All other attributes remain the same.



## SourceGrid Property

---

### Applies to

TShowTotal Component

### Declaration

**property** SourceGrid: TDBGrid;

### Description

Indicates the TDBGrid which will be used to determine how many pages should be output e.g. on an Invoice. It is ONLY used together with the DrawWindowMultiple method of TPrintWin. The SourceField property must also be set. If this property is used then property TotalType should be set to either tPageTotal (which will display the PageTotal for the specific field) or to tAccTotal (which will display a running total of the specific field). These totals are calculated at the beginning of the page.



## TShowTotal Component

### [Properties](#)

---

#### Unit Totals

#### Description

The TShowTotal component is used (usually together with the [DrawWindowMultiple](#) method of TPrintWin ) to generate output to the printer. This component can output page and running totals for each column in a TDBGrid. This option is currently **ONLY** available when used together with the [DrawWindowMultiple](#) method. It keeps the totals automatically. The SourceGrid and SourceField options must be set for it to function. If they are not set then the contents of the Text property will be displayed.

It can also output text aligned any way desired and has full color capabilities. By setting the property ShowOn , the component knows on which pages of the printout it must appear and on which not. It hides or shows itself automatically. By setting the property ShowOnForm, the programmer can determine if the component should appear on the form that is displayed to the end-user.

The TotalType property indicate what output should be shown. The DisplayFormat property is used mainly for formatting currency and integer fields. The Alignment property indicates how the contents should be aligned within the border.

## GetRunningTotal Method

---

### Applies to

TPrintWin Component

### Declaration

**function** GetRunningTotal ( Grid: TCustomGrid; ColumnName: string): Real;

### Description

Returns a running total of a column in a TDBGrid of all the previous pages plus the current one. The total is already available at the beginning of the page. This option is used together with the DrawWindowMultiple method which is used to print Invoices, statements ,etc. The total is also available if a TShowTotal component is used.

## Font Property

---

### **Applies to**

TShowTotal Component

### **Declaration**

**property** Font: TFont

### **Description**

Indicates the font which will be used to display text in the component.

## GridBackDrop Property

---

### Applies to

TPrintWin Component

### Declaration

**property** GridBackDrop: **Boolean**;

### Description

Indicate if grid rulers should be printed on the output. This is handy for designing the layout of the printed page. It is used together with GridBackDropUnits

## DrawQueryRecord Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawQueryRecord( XOffset: Real; YOffset: Real; Query TQuery);

### Description

The DrawQueryRecord method draw the the current record of the Query vertically starting at position (XOffset, YOffset). Measurements are in Inches or Centimetre depending on the setting of Units.

## HeaderStringCenter Property

---

### Applies to

TPrintWin component

### Declaration

**property** HeaderStringCenter: **string**;

### Description

Indicates the string that will be printed in the top center of the page.

## Print Viewer

---

The PrintViewer is built into the PrintIt! components and can view and print files that are generated by PrintIt!. It is called from within the PrintIt! components.

It looks in the current directory for all metafiles beginning with PRN and displays them on the screen. It has built in functions like ZOOM, PAN etc.

The following settings can be done from a TPrintWin which customizes the Print Viewer. ViewBkColor and ViewHeading.



## ShowOnForm Property

---

### Applies to

TShowTotal Component

### Declaration

**property** ShowOnForm: Boolean;

### Description

Indicates if the component should be shown on the form.

## DisplayFormat Property

---

### Applies to

TShowTotal Component

### Declaration

**property** DisplayFormat: string;

### Description

Indicates the format a TDBGrid field will be displayed. Used primarily for real and Integer fields together with the DrawWindowMultiple method.

## Interrupted Property

---

### Applies to

TPrintWin Components

### Declaration

**property** Interrupted Boolean;

### Description

Indicates if the prepare of the printout or the printing on the printer was interrupted. Default is False.

## TOrient Type

---

### Unit

CB\_Types

### Declaration

**property** Orientation TOrient;

### Description

Indicates the orientation of the output on either the Viewer or the printer.

This can take on the following values

| <b>Value</b> | <b>Meaning</b>   |
|--------------|--|
| Default      | The print job uses the previous setting of the orientation |
| Landscape    | The print job prints horizontally on the page              |
| Portrait.    | The print job prints vertically on the page                |

Note: If this value is to be set during runtime, call it **before** calling BeginPrint

TOrient

## Orientation Property

---

### Applies to

TPrintWin components

### Declaration

**property** Orientation TOrient;

### Description

Indicates the orientation of the output on either the Viewer or the printer.

This can take on the following values

| <b>Value</b> | <b>Meaning</b>   |
|--------------|--|
| Default      | The print job uses the previous setting of the orientation |
| Landscape    | The print job prints horizontally on the page              |
| Portrait.    | The print job prints vertically on the page                |

Note: If this value is to be set during runtime, call it **before** calling BeginPrint

## PageNumberEnabled Property

---

### Applies to

TPrintWin components

### Declaration

**property** PageNumberEnabled Boolean

### Description

Indicates if the Page Number must appear on the right bottom of the printout. The default value is True

## YOffset Property

---

### Applies to

TVRuler component

### Declaration

**property** YOffset: Real;

### Description

Indicates the distance from the top of the parent window. If negative then only the positive part of the ruler will be displayed. It displays measurements in Inches or Centimetre depending on the settings of the Units property.

## Text Property

---

### Applies to

TShowTotal Component

### Declaration

**property** Text: string;

### Description

Indicates the text that will be displayed in the component.



## HeaderStringRight Property

---

### Applies to

TPrintWin component

### Declaration

**property** HeaderStringRight: **string**;

### Description

Indicates the string that will be printed in the right top corner of the page.

## DrawGrid Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** DrawGrid( x, y: Integer; Width, Height: Real; xDim, yDim: Integer);

### Description

Draws a grid with the top left at x,y. Each block is Width wide and Height high. XDim x yDim is the dimension of the Grid.

Measurements are in Inches or Centimetre depending on the setting of Units.

## BitBlt Method

---

### Applies to

TPrintWin Component

### Declaration

**procedure** BitBlt(XOffset: Real; YOffset: Real; Width: integer; Height: Real; FileName: String);

### Description

Draws a Bitmap by using a file as defined in FileName. If Width and Height are both 0 then Height and Width of the bitmap will be used as read from the file.

If Height and Width are not 0 then the bitmap will be stretched to fit the rectangle

Measurements are in Inches or Centimetre depending on the setting of Units.

## DrawWindow Supported Components

---

**The following basic components can be drawn onto the printer:**

TEdit,  
TDBedit  
TMaskEdit,  
TLabel,  
TDBText,  
TMemo,  
TDBMemo,  
TComboBox,  
TDBComboBox  
TDBLookupCombo,  
TDBGrid,  
TImage,  
TDBImage,  
TBevel,  
TPanel,  
TForm,  
TScrollBar  
TShape,  
TGroupBox,  
TRadioGroup,  
TCheckBox,  
TRadioButton,  
TStringGrid  
TNoteBook (ActivePage)

In most cases the properties of the components themselves are used e.g. the fonts and colors. Component contents cannot continue onto the next page so they must fit in a single page.

**The exception is the following:**

The DrawWindowMultiple allows the contents of a TDBGrid to continue onto the next page. This is used mainly for printing Invoices, Job Cards, statements etc. The Invoice or statement page is setup using the normal Delphi interface by creating the form on the screen. A new component has been added which displays page and running totals which are automatically calculated by TPrintWin. This component is the TShowTotal component. Page and running totals are available already at the beginning of the page so any necessary settings can be done in the OnPrintHeader event. All supported components will appear on all pages. The TShowTotal component can be made to appear on selected pages as selected by its ShowOn property.

## HeaderStringLeft Property

---

### Applies to

TPrintWin component

### Declaration

**property** HeaderStringLeft: **string**;

### Description

Indicates the string that will be printed in the left top corner of the page.

## HeaderFont Property

---

### Applies to

TPrintWin Components

### Declaration

```
property HeaderFont: TFont;
```

### Description

Indicates the font that will be used to print the Header at the top of the page.

## SourceField Property

---

### Applies to

TShowTotal Component

### Declaration

**property** SourceField: string;

### Description

Indicates a FieldName in the TDBGrid. The TShowTotal component will display either a PageTotal or a Running total depending on the setting of the TotalType property. It is ONLY used together with the DrawWindowMultiple method of TPrintWin. The SourceGrid property must also be set. If this property is used then property TotalType should be set to either tPageTotal (which will display the PageTotal for the specific field) or to tAccTotal (which will display a running total of the specific field). These totals are calculated at the beginning of the page.

## BorderStyle Property

---

### Applies to

TShowTotal Component

### Declaration

**property** BorderStyle: TBorderStyle;

### Description

Indicates if a border should be drawn around the edge of a component. It can be bsNone or bsSingle.



# DrawWindowMultiple Method

---

See also

[SetColumnWidth](#) [GetPageTotal](#), [GetRunningTotal](#), [TShowTotal](#), [THRuler](#), [TVRuler](#)

## Applies to

[TPrintWin](#) Component

## Declaration

**procedure** DrawWindowMultiple( XOffset, YOffset: Real; Control: TWinControl);

## Description

The DrawWindowMultiple is used to print forms like Invoices, Job Cards, statements etc. It automatically determines if it must go over onto multiple pages. It usually works together with the [TShowTotal](#) component to enhance its capabilities. To print a multiple page Invoice, etc. requires no more than a few lines of programming - usually +/- 10. To accomplish this, everything is set with properties.

The XOffset and YOffset parameters are used to offset the page on the printer. These measurements are in Inches or Centimetre depending on the setting of [Units](#).

The Control can be any of the following:

- TForm,
- TPanel
- TScrollBar

All descendents will be drawn except components like buttons, scrollboxes, scrollbars, checkboxes, etc. See the list of [currently supported components](#) .

## TShowTotal Properties

---

SourceGrid

SourceField

BorderStyle

Color

Font

Visible

TotalType

DisplayFormat

Text

ShowOn

Alignment

ShowOnForm

## GetTextHeight Method

---

### Applies to

TPrintWin Component

### Declaration

**function** GetTextHeight (str: string): Real;

### Description

Returns the Height of the string in Inches or Centimetre depending on the setting of Units.

## GetControlWidth Method

---

### Applies to

TPrintWin Component

### Declaration

**function** GetControlWidth (Control: TWinControl): Real;

### Description

Returns the Width of the control in Inches or Centimetre depending on the setting of Units.

## GetControlHeight Method

---

### Applies to

TPrintWin Component

### Declaration

**function** GetControlHeight (Control: TWinControl): Real;

### Description

Returns the Height of the control in Inches or Centimetre depending on the setting of Units.

## GetPageHeight Method

---

### Applies to

TPrintWin Component

### Declaration

```
function GetPageHeight: Real;
```

### Description

Returns the Height of the Page in Inches or Centimetre depending on the setting of Units.

## GetPageWidth Method

---

### Applies to

TPrintWin Component

### Declaration

**function** GetPageWidth: Real;

### Description

Returns the Width of the Page in Inches or Centimetre depending on the setting of Units.

## Support Information

---

**Support is available from the following:**

|                    |   |
|--------------------|---|
| E-mail:            | Johan.Calitz@kagi.com   |
| Internet home page | <a href="http://ourworld.compuserve.com/homepages/calitz">http://ourworld.compuserve.com/homepages/calitz</a> |
| Fax                | +27 12 342 5269   |





