

Finding the Top 'x' Values

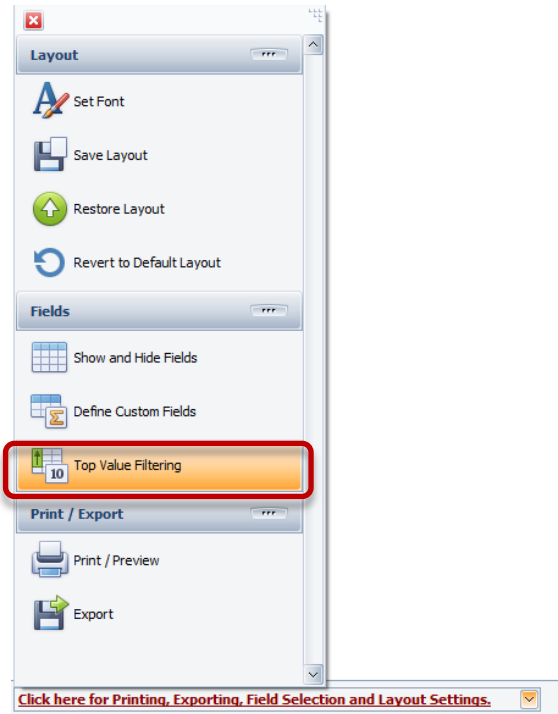
Let's say we want to find the Top 3 downtime reasons for a specific category of downtime, by line.

There is a new **function** called **Top Value Filtering**.

This **function** is available in the any of the pivot grids.

First, we are going to display the list of Down Time reasons for all of our lines.

Then we are going to filter for those reasons that begin with MS (because we use reason codes responsibly ~ [Click Here to learn more](#))



Select multiple Duration or Reason Count values to chart information

Asset	Enterprise	Line	Location	MachineID	Plant	SubType
Duration Reason Count Drop Column Fields Here						
Grand Total		Duration	Reason Count			
1 Coil	BR CONV/CURLER	00h 11m 37s	2			
	BR LINER	01h 15m 35s	5			
	MS BLISS	01h 43m 42s	45			
	MS BLS THREADUP	02h 11m 24s	25			
	MS CONV/CURLER	02h 06m 23s	62			
	MS DUMP HOPPER	00h 26m 26s	7			
	MS INTERNAL Q.C.	00h 01m 52s	1			
	MS LAZY SUSAN	00h 19m 22s	8			
	MS LINER	03h 07m 04s	91			
	MS SLEEVING	00h 15m 47s	9			
	MS VISION	00h 21m 24s	6			
	None	00h 45m 58s	8			
	SS STARTUP	00h 05m 44s	4			
	WIP RECON	00h 01m 09s	1			
1 Coil Total		12h 53m 27s	274			
L03	BR BLISS	03h 49m 11s	13			
	BR CONV/CURLER	00h 56m 11s	1			

PivotGrid Prefilter

And +

[Reason] Begins with MS

OK Cancel Apply

Finding the Top 'x' Values

Next, we need to sort the durations largest to smallest.

1. Right-mouse click on the **Duration** Column and select Sort "**Reason**" by **This Column**".
2. It will display the up/down arrows to indicate sorting.
3. Next, click on the arrow on the **Reason** column heading to sort highest to lowest durations.

The screenshot shows a software interface with a table. The table has columns for 'Duration' and 'Reason Count'. A context menu is open over the 'Duration' column, with the option 'Sort "Reason" by This Column' highlighted. A red box and callout '1' point to this menu item. Another red box and callout '2' point to a dropdown arrow on the 'Reason' column header. A third red box and callout '3' point to the 'Reason' column header. The table data is as follows:

Reason	Duration	Reason Count
MS BLISS	01h 43m 42s	45
MS BLS THREADUP	02h 11m 24s	25
MS CONV/CURLER	02h 06m 23s	62
MS DUMP HOPPER	00h 26m 26s	7
MS INTERNAL Q.C.	00h 01m 52s	1
MS LAZY SUSAN	00h 19m 22s	8
MS LINER	03h 07m 04s	91
MS SLEEVING	00h 15m 47s	9
MS WAIT ON MAT.	00h 01m 08s	1
MS VISION	00h 21m 24s	6
MS LAZY SUSAN	00h 19m 22s	8
MS SLEEVING	00h 15m 47s	9
MS INTERNAL Q.C.	00h 01m 52s	1

Finding the Top 'x' Values

- 1. Choose 'Top Value Filtering' menu option.
- 2. Select what you want to filter and click 'OK' button.
- 3. Now you have the Top 3 losses that begin with 'MS' for each line.

The screenshot shows the OEE Studio interface. On the left, the 'Layout' and 'Fields' panels are visible. The 'Top Value Filtering' menu item is highlighted with a red box and callout 1. The 'Top Value Filtering' dialog box is open, showing 'Enable Top Value Filtering' checked, 'Show Top' set to 3, and 'Values for the Field' set to 'Reason'. The 'OK' button is highlighted with callout 2. Below the dialog, a data table is shown with columns for 'Device', 'Reason', 'Duration', and 'Reason Count'. The table is filtered to show only 'MS' reasons. Callout 3 points to the 'MS' entries in the 'Reason' column.

Device	Reason	Duration	Reason Count
1 Coil	MS LINER	03h 07m 04s	91
1 Coil	MS BLS THREADUP	02h 11m 24s	25
1 Coil	MS CONV/CURLER	02h 06m 23s	62
1 Coil Total		07h 24m 51s	178
L03	MS BLISS	02h 37m 45s	37
L03	MS MAGAZINE	01h 25m 03s	20
L03	MS CONV/CURLER	01h 18m 59s	28
L03 Total		05h 21m 47s	85
L10	MS BLISS	06h 51m 22s	107
L10	MS CONV/CURLER	05h 54m 26s	102
L10	MS MAGAZINE	05h 16m 56s	102
L10 Total		18h 02m 44s	311
L16	MS CONV/CURLER	08h 13m 54s	69
L16	MS STOLLE	07h 32m 04s	52
L16	MS STOLLE THREADUP	03h 58m 32s	18
L16 Total		19h 44m 30s	139
L17	MS LINER	04h 31m 22s	68
L17	MS OVEN EXIT	04h 15m 21s	30
L17	MS ST. THREADUP	03h 33m 45s	30
L17 Total		12h 20m 28s	128
L19	MS STOLLE	05h 34m 34s	12
L19	MS LINER	01h 24m 15s	13
L19	MS BLS THREADUP	00h 49m 34s	2
L19 Total		07h 48m 23s	27
L21	MS CONV THREAD	05h 10m 56s	35
L21	MS CONVEYORS	01h 45m 37s	78
L21	MS CONV PRESS	01h 32m 17s	17
L21 Total		08h 28m 50s	130