

# User Interface

## Addendum to

FLOware® Software User Guide - PN 22100080D

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*Available as of FLOware software version 2.9.3S*

This addendum includes content destined to replace for the *FLOware Software User Guide*, PN 22100080D in the following sections:

- *Getting Started - User Interface - Keyboard & Mouse/Trackball*
- *Getting Started - User Interface - Jogging the Gantry - Jog Controls*

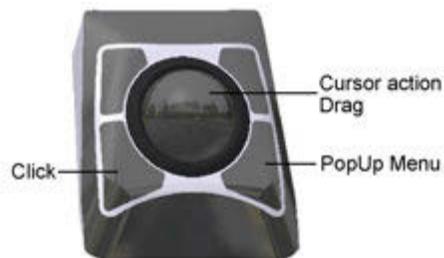
## Keyboard & Mouse/Trackball

### Mouse/Trackball

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**IN EFFECT AS OF** FLOware software version 2.9.3S

Use the mouse/trackball to position the cursor on the monitor screens and to move the gantry.



You can select all or part of the contents in a field. There are several ways to select field contents, and each method obtains slightly different results. You can either click-and-drag or multiple-click on a field.

#### Single-click

You can be selective about the data selected in a field if you **single-click** the Click button while dragging the cursor trackball.

#### Double-click

You can select a single data item (single word, a value, or a unit of measure) in a field if you **double-click** the Click button.

#### Triple-click

You can select the total contents (a value AND the unit of measure OR all text) in a field if you **triple-click** the Click button.

The following conventions are used in this manual for mouse/trackball actions:

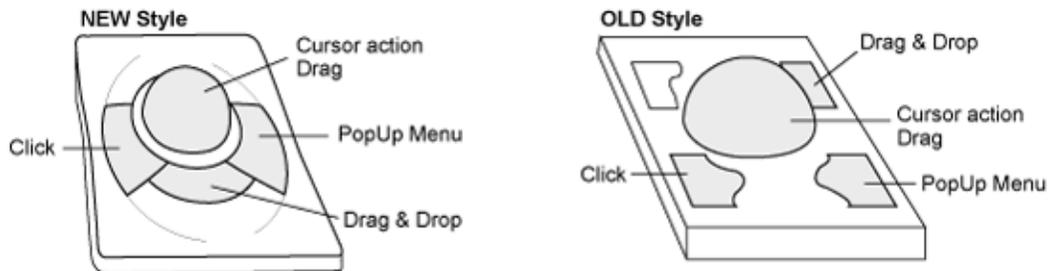
**Table 1: Mouse/Trackball Conventions**

Term	Action
position cursor	Move the cursor by moving the trackball.
click	Press the mouse Click button and immediately release it.
double-click triple-click	In rapid succession, click the mouse Click button the applicable number of times.
drag	As you move the cursor down a menu with the trackball, each menu selection is highlighted in turn. Frequently, you will select a menu item by dragging the cursor down the menu until the item you want is highlighted, and then releasing (or sometimes clicking) the mouse Click button.
open Pop-up menu	Position the cursor at the appropriate screen location using the trackball and then press the mouse PopUp Menu button.

## Trackball

**OBSOLETE AS OF FLOWare software version 2.9.3S**

Use the trackball to position the cursor on the monitor screens and to move the gantry.



You can select all or part of the contents in a field. There are several ways to select field contents, and each method obtains slightly different results. You can either click-and-drag or multiple-click on a field.

1. If you **single-click** on a field, press the lower left trackball key, and drag the cursor, you can be selective about the data selected.
2. If you **double-click** on a specific item within a field, you can select that single item (a single word, a value, or a unit of measure).
3. By **triple-clicking** on a field, you can select the total contents (a value AND the unit of measure or all text) of a field.

The following conventions are used in this manual for trackball actions:

**Table 2: Trackball Conventions**

<b>Term</b>	<b>Action</b>
click	Press the Click trackball button and immediately release it.
double-click triple-click	In rapid succession, click the Click trackball button for the applicable number of times.
drag	As you move the cursor down a menu with the trackball, each menu selection is highlighted in turn. Frequently, you will select a menu item by dragging the cursor down the menu until the item you want is highlighted, and then releasing (or sometimes clicking) the Click trackball button.
drag & drop (move)	Press and hold the Drag & Drop trackball button while moving the cursor, then release the button.
position cursor	Move the cursor by moving the Ball portion of the trackball.
open Pop-up menu	Position the cursor at the appropriate screen location and press the Click trackball button.

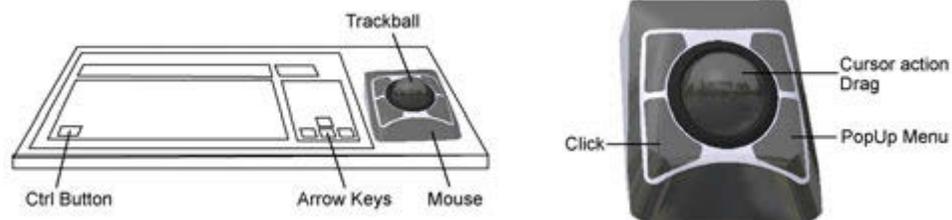
## Jogging the Gantry

### Jog Controls

**IN EFFECT AS OF FLOWare software version 2.9.3S**

Gantry movement is controlled with the trackball and keyboard, and directly relates to the movement of the cursor in Jog.

**⚠ WARNING:** The gantry moves **IMMEDIATELY** when the jog controls are activated. Gantry motion stops immediately upon release of the jog controls.



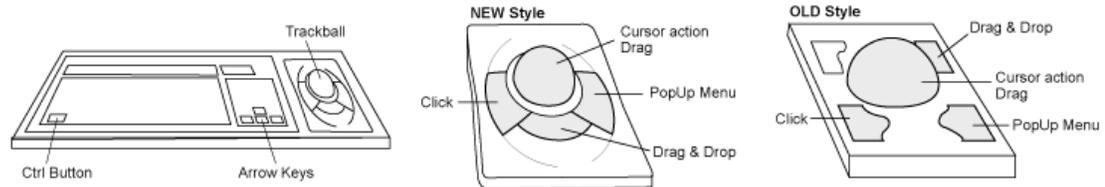
**Table 3: Jog Controls - How They Work**

To control:	Do this:
X-Y movement	<ol style="list-style-type: none"> <li>1 - Position the cursor in the Jog screen.</li> <li>2 - Press and hold the mouse <b>Click</b> button to activate jog control over the gantry, while simultaneously moving the trackball to correspond with desired direction.</li> <li>3 - Release the mouse Click button when desired movement has occurred.</li> </ol>
Z movement	<ol style="list-style-type: none"> <li>1 - Position the cursor in the Jog screen.</li> <li>2 - Press and hold the keyboard <b>Ctrl button</b> and the mouse <b>Click</b> button to activate jog control over the gantry, while simultaneously moving the trackball to correspond with desired direction.</li> <li>3 - Release the keyboard Ctrl button and the mouse Click button when desired movement has occurred.</li> </ol>
speed	<p>Speed is dynamic with the distance between the cursor and the center of the Jog cross hairs; that is, the greater the length of the line in the Jog window created by trackball action, the greater the speed of the gantry.</p> <p>To control jogging speed more precisely, use the screen speed sliders to change the overall operating speed of the cursor and keyboard controls.</p>
fine tuning	To move the gantry in smaller increments of motion, use the keyboard arrow keys to control gantry motion.

**IN EFFECT PRIOR TO FLOWare software version 2.9.3S**

Gantry movement is controlled with the trackball and keyboard, and directly relates to the movement of the cursor in Jog.

**WARNING:** The gantry moves **IMMEDIATELY** when the jog controls are activated. Gantry motion stops immediately upon release of the jog controls.



**Table 4: Jog Controls - How They Work**

To control:	Do this:
X-Y movement	<ol style="list-style-type: none"> <li>1 - Position the screen cursor in Jog.</li> <li>2 - Press and hold the <b>Click</b> trackball button to activate jog control over the gantry, while simultaneously moving the trackball to correspond with desired direction.</li> <li>3 - Release the Click trackball button when desired movement has occurred.</li> </ol>
Z movement	<ol style="list-style-type: none"> <li>1 - Position the screen cursor in Jog.</li> <li>2 - Press and hold the <b>Ctrl button</b> and the <b>Click</b> trackball button to activate jog control over the gantry, while simultaneously moving the trackball to correspond with desired direction.</li> <li>3 - Release the Ctrl button and the Click trackball button when desired movement has occurred.</li> </ol>
speed	<p>Speed is dynamic with the distance between the cursor and the center of the Jog cross hairs; that is, the greater the length of the line in the Jog window created by trackball action, the greater the speed of the gantry.</p> <p>To control jogging speed more precisely, use the speed sliders to change the overall operating speed of the cursor and keyboard controls.</p>
fine tuning	<p>To move the gantry in smaller increments of motion, use the keyboard arrow keys to control gantry motion.</p>