

This photograph shows some available options not included as part of the standard WellPro 3000

### **WellPro 3000 \*Automated Diluting, Pipetting, Dispensing\***

- Serial Dilution
- Reagent Addition
- Plate Replication

***Proven Reliability, Accuracy and Speed, taken to the Next Level!***

**High throughput screening quickly becomes low throughput if your liquid handling is slow, complicated, or unreliable. Eliminate your slowest processes with the WellPro 3000 operating in either a 12 channel mode for 96 well plates or 24 channel for 384 well plates.**

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The WellPro is designed specifically to eliminate tedious hand pipetting and complicated slow robotic protocols. With the WellPro, you can easily and quickly move liquids from microtubes or bulk sources to microplates, then dilute, mix, transfer or add any variety of reagents required by your protocol. Mother-daughter plate replication and plate filling procedures are just as fast and simple.

## **Start your procedure in minutes... not hours.**

Ease of programming is a primary feature of the WellPro. There are no complicated position calibrations or “teaching procedures”. Executable files are easy to make, and yet the most challenging procedure can be accommodated by easily linking stored files.

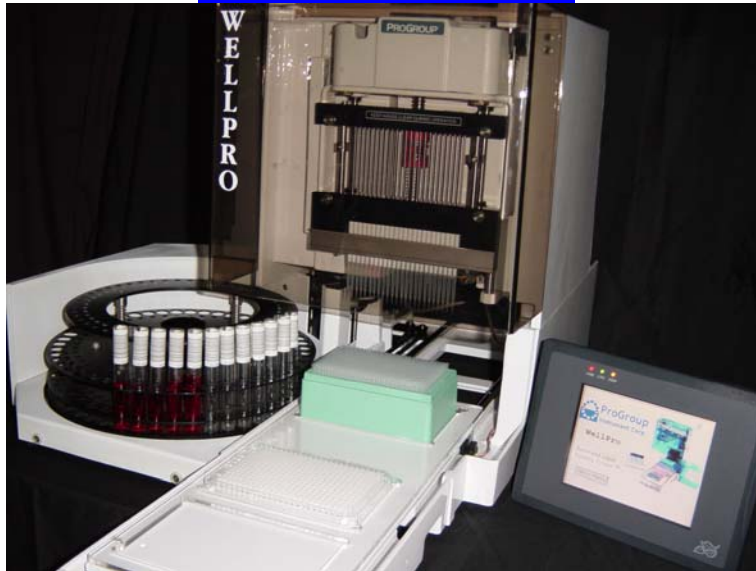
## **Key features of the WellPro**

- 96 and 384 Well format with 12 or 24 channel liquid head design allows for much faster processing speeds, simplicity of use, and greater reliability.
- Serial dilutions in almost any ratio in microplates or micro tubes, in either 12 or 24 channel format.
- Exceptional precision is achieved through a broad range of liquid volumes (1 $\mu$ l to 200 $\mu$ l in 1 $\mu$ l increments) for the 12 channel head.
- Exceptional precision is achieved through a broad range of liquid volumes (1 $\mu$ l to 50 $\mu$ l in 1 $\mu$ l increments) for the 24 channel head.
- Plate to plate or microtube to microtube replication or transfers.
- Plate filling from bulk containers.
- Eliminates cross contamination by using disposable pipette tips.
- Handles 96 or 384 well standard, shallow, deep well, U, V and flat bottom plates, as well as 96 format microtubes.
- Fits into a standard biohazard cabinet or fume hood.

The WellPro 3000 provides added flexibility and enhanced capabilities while utilizing the proven reliability of the original mechanics.

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New standard features include improved electronics and software utilizing a color touch screen controller that provides more information and enhanced graphics at a glance. Another option the new electronics provides is the ability to interface to other robotics devices such as plate stackers and robotic arms. Higher level programs are also available for the researcher that wishes to write their own programs and/or interface into larger platforms. The choice is yours, the same easy to use protocols that have made the WellPro a favorite among scientists for years, or the advanced software capabilities some researchers require for integration into larger platforms.

### **Optional features include;**

An additional single channel disposable tip head for sampling from well to well, tube to well, or well to tube, and for plate reformatting.

A tube Carousel for sampling directly from tubes of various sizes into 96 or 384 well plates, or from tube to tube.

Bulk reagent addition can now be accomplished via peristaltic pumps and dispense manifold that mounts on the front of the liquid head assembly. This bulk filling eliminates the need to transfer your plates to or from another dispenser for plate filling.

This layered approach to adding features such as the Single Channel Liquid Transfer Head and Bulk Reagent Addition conserves bench space as it remains within the current footprint of the WellPro. As well as saving costs by eliminating the need for other dispensing instruments, it saves time by being able to perform many different procedures on one piece of equipment.

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<b>Performance Specifications</b>		
	<b>3000 (12 way format)</b>	<b>3000 (24 way format)</b>
<i>Pipetting Channels</i>	<i>12 way format</i>	<i>24 way format</i>
<i>Volume Range</i>	<i>1<math>\mu</math>l to 200<math>\mu</math>l in 1<math>\mu</math>l increments</i>	<i>1<math>\mu</math>l to 50<math>\mu</math>l in 1<math>\mu</math>l increments</i>
<i>Precision</i>		
@ 100 $\mu$ l	< 0.5% CV	
@ 50 $\mu$ l		< .5% CV
@ 10 $\mu$ l	< 1.5% CV	
@ 5 $\mu$ l	< 3.0% CV	< 1.5% CV
@ 1 $\mu$ l		< 5.0% CV
<i>Accuracy</i>		
@ 100 $\mu$ l	< +/- 1.0%	
@ 50 $\mu$ l		< +/- 1.0%
@ 10 $\mu$ l	< +/- 3.0%	
@ 5 $\mu$ l	< +/- 3.0%	< +/- 2.0%
@ 1 $\mu$ l		< +/- 3.0%
<i>Throughput</i>		
<b>Serial Dilution</b>		
50 $\mu$ l Transfer Volume No Mixing, No Tip Change Landscape Format	25 seconds	40 seconds
<b>Plate to Plate Transfer</b>		
50 $\mu$ l Transfer Volume No Mixing, With Tip Change on each row Landscape Format	1 minute, 25 seconds	2 minutes, 50 seconds
<b>Plate Filling</b>		
100 $\mu$ l Transfer Volume No Mixing, No Tip Change Landscape Format	50 seconds	1 minute, 30 seconds
<b>Plate Formats</b>	96 well standard, shallow, deep well, microtube, V, U, and flat bottom	384 well standard, shallow, deep well, V, U, and flat bottom
<b>Functions</b>	Serial dilution, reagent addition, mixing, plate replication, sample transfer (plate to plate and within plate)	Serial dilution, reagent addition, mixing, plate replication, sample transfer (plate to plate and within plate)
<b>Technical Specifications</b>		
<i>Dimensions</i>	<i>Controller</i>	<i>Main Unit</i>
Height	6.0"	16"
Width	9.5"	12"
Depth	8.5"	28.5"
Weight	3 lbs.	70 lbs.
<i>Power Requirements</i>	120/220/240 VAC, 47-63 Hz, 2A @ 120 VAC, 1A @ 240 VAC	
<i>Fuse</i>		3A normal blow
<i>Operating Temperature</i>		23 +/- 3 °C (68-79 °F)