

Titan 60 Stacker for ALPS 300

The Titan Stacker represents an attractive alternative to single arm robots and offers advantages in size, throughput and reliability. In this application, the Titan is equipped with our P3 (Plate Pick & Place) device to simplify the task of integrating the Titan Stacker with the ALPS 300.

The Titan Stacker and ALPS 300 can be computer controlled via an RS-232 interface. The Titan uses a simple command set to ease integration.

For customers using microplates that are not made in accordance with the SBS Proposed Microplate Specifications, the Titan is easily field adjustable to accommodate many of these non-conforming plates.

Specifications - Titan 60 Stacker

Weight:	50 lbs.	23 kg
Models:	Standard Deep Well	Deep Well model will process both standard & deep well plates
Dimensions:	Standard Model	
	Width - 14.6 inches	37 cm
	Depth - 18 inches	46 cm
<i>S20 magazine installed</i>	Height - 20 inches	51 cm
<i>S30 magazine installed</i>	Height - 24 inches	61 cm
<i>S60 magazine installed</i>	Height - 40 inches	102 cm
	Deep Well Model	
	Width - 14.6 inches	37 cm
	Depth - 18 inches	46 cm
<i>S20 magazine installed</i>	Height - 21.25 inches	54 cm
<i>S30 magazine installed</i>	Height - 25.25 inches	64 cm
<i>S60 magazine installed</i>	Height - 41.25 inches	105 cm
Electrical:		
Mains Voltage	115 volt ± 10 %, 60 Hz 30VA	230 volt ± 10 %, 50 Hz 30VA
Mains Fuse	3 amp for 115 volt	1.5 amp for 230 volt
Plate Transport:	Direct drive step motor with a positional resolution of 0.010 inch.	Plate reach up to 14 inches
Interface:	RS232 using simple command set.	
Throughput:	8 seconds to deliver or retrieve a plate	
Magazines:	20, 30 or 60 standard plate capacity	60 plate magazine will hold 18 deep well plates