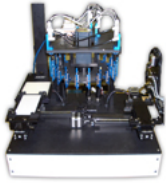


Norgren CP7200



Manufacturer: Norgren Systems.
 Model Number: Norgren-CP7200
 Web Address: www.norgrensystems.com

The Norgren CP7200 offers the smallest footprint of any Colony Picker available today. At only 22w x 20h and 45 pounds, the CP7200 is easy to relocate, it fits on lab benches, in a hood, on a mobile cart or even a desk. The CP7200 performs picking, transferring, placing, washing, and sterilization operations simultaneously using a unique rotating carousel of 20 tungsten needles. While one needle is picking, another is placing, another is being washed and another is being sterilized. Overlapped action not only results in the fastest picking rate available but, unlike multi-pin heads, also results in brief and uniform transfer time (typically 3.5 seconds) between pick and place. This minimizes drying of colonies, requirements for clumsy humidifiers, and pattern bias between first and last picked.

Colony Picker: Commands

▶ **SetMode(mode)** - Set the picker mode.

mode	String	Specifies the mode of operation, either pick or rearray.
------	--------	--

▶ **Show()** - Displays the instrument application window.

▶ **Hide()** - Hides the instrument application window.

▶ **StartInit()** - Homes all axes. Must be issued before the run or pick commands.

▶ **StartWash()** - Runs the wash and sterilization routine.

▶ **StartRun()** - Runs the main process. In pick mode the image is taken, analyzed, picked, and the needle rotor reinitialized. In rearray mode, the picker goes through the imaging motions but does not analyze and reset the source plate.

▶ **StartPick()** - Rearrays the microplate without scanning the image.

▶ **SetPlateType(stage, plateType)** - Sets the plate type and resets the specified stage.

stage	String	Specifies the stage, S1 or S2.
-------	--------	--------------------------------

plateType	String	Specifies the type of the plate for the corresponding stage. For S1 stage in rearray mode, specify '24', '96', or '384'. For S1 stage in pick mode, specify 'AGAR'. For S2 stage specify '24', '96', or '384'.
-----------	--------	--

▶ **SetSourceFile(filePath)** - Sets the re-array source file for custom re-array schemes.

filePath	String	File path for source plate for custom re-array schemes.
----------	--------	---

▶ **SetDestinationFile(plateType, filePath)** - Sets the re-array destination file for custom re-array schemes.

plateType	String	Specifies the plate type: '24', '96', or '384'.
-----------	--------	---

filePath	String	File path for destination plate for custom re-array schemes.
----------	--------	--

▶ **SetPickScheme(scheme)** - Sets the pick scheme.

scheme	String	Specifies the pick scheme: 'speed', 'small', 'large' or 'custom'.
--------	--------	---

▶ **SetRearrayScheme(scheme)** - Sets the re-array scheme.

scheme	String	Specifies the re-array scheme: 'speed' or 'custom'.
--------	--------	---

Colony Picker: Errors

🔥 **PickerError(alarmMessage)** - Error occurred during command execution.

alarmMessage	String	Error message for the picker.
--------------	--------	-------------------------------

Colony Picker: Commands

▶ **Stop()** - Stops the current process.

Colony Picker: Errors

🔥 **PickerError(alarmMessage)** - Error occurred during command execution.

alarmMessage	String	Error message for the picker.
--------------	--------	-------------------------------