

# Automated Manipulator Platform for Corning® CellSTACK® and HYPERStack® Cell Culture Vessels

CORNING

The Corning Automated Manipulator Platform is an effective solution for automating the scale-up of your adherent cell culture process. The automated manipulator platform is designed to save time, reduce cost, and reduce process variability by automating the handling of multiple large stacked vessels during critical fluid handling steps. Optimized for use with Corning CellSTACK and HYPERStack cell culture vessels, the platform consists of a fully programmable manipulator, a manipulator cart, and multiple rack options designed for specific vessel configurations.

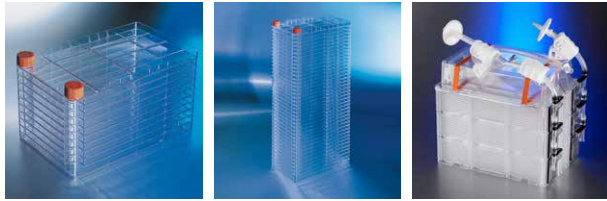
The platform accommodates up to three 40-layer Corning CellSTACK, six 10-layer CellSTACK, or six 36-layer Corning HYPERStack cell culture vessels at a time.

## Features and Benefits

- ▶ Greatly simplifies CellSTACK and HYPERStack processing
- ▶ Automates filling, equilibration, and harvest
- ▶ Enables consistent and scalable process performance
- ▶ Improves safety by reducing manual manipulations
- ▶ Safeguards include intrusion sensors, fixed guards, and interlocks
- ▶ Intuitive, programmable touch-screen operator panel
- ▶ Full motion control capability
- ▶ Low-maintenance electric motor drive system



A digital touch-screen operator panel simplifies programming and operation.



Mountable cell culture vessels



Automated manipulator cart



Cart and rack for Corning CellSTACK-40



Cart and rack for Corning HYPERStack-36

*Cart and rack for CellSTACK-10 not shown*

## Specifications

Dimensions (W x D x H)	1580 x 2080 x 1880 mm
Weight	1000 kg
Pivot	-20° (right) to 130° (left)
Tilting speed	1° to 60°/second (except for acceleration or deceleration range)
Required power supply	3 phase AC 200-230V, 50/60Hz, 7kVA (AC380-440V option available)
Mountable vessels	Corning® CellSTACK®: Three 40-layer vessels Corning CellSTACK: Six 10-layer vessels Corning HYPERStack®: Six 36-layer vessels
Installation environment	Temperature 0°C to 30°C Humidity: 35°C to 85°C relative humidity or less (no condensation) Air cleanliness: Grade B recommended Floor: Withstand load 1000 kg/m <sup>2</sup> , no slope recommended
Surface Material	Type 304 stainless steel
System meets applicable FCC, CE, UL and CSA Electrical Safety and EMC standards	

## Ordering Information

Cat. No.	Description
6650	Corning Automated Manipulator platform, 180-254V, standard power supply
6651	Corning Automated Manipulator platform, 380-440V, industrial power supply
6652	Corning Automated Manipulator cart
6653	Corning Automated Manipulator rack for Corning CellSTACK-10, holds six CellSTACK-10 vessels, compatible with Manipulator cart (Cat. No. 6652)
6654	Corning Automated Manipulator rack for Corning CellSTACK-40, holds three CellSTACK-40 vessels, compatible with Manipulator cart (Cat. No. 6652)
6655	Corning Automated Manipulator rack for Corning HYPERStack-36, holds six HYPERStack-36 vessels, compatible with Manipulator cart (Cat. No. 6652)
6656	Attachment for Automated Manipulator cart (Cat. No. 6652). Enables the use of Corning Automated Manipulator carts with Thermo Scientific™ Nunc™ Cell Factory™ incubators

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