Hudson
ROBOTICS

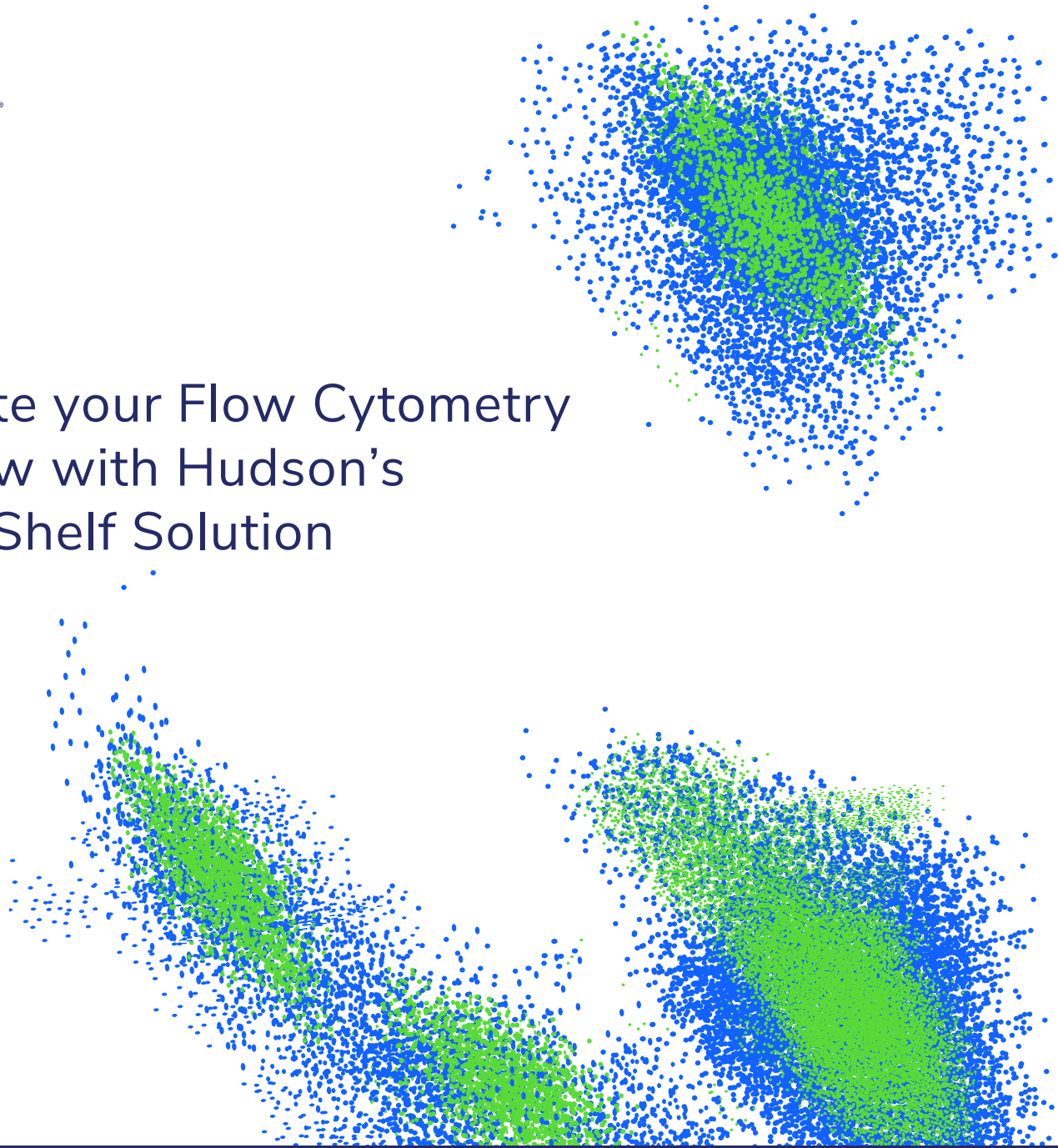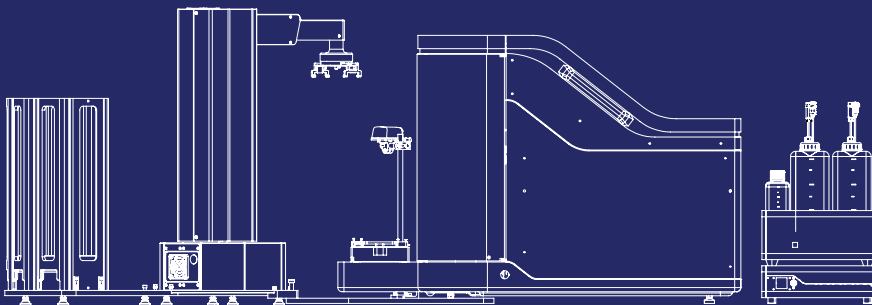# Automate your Flow Cytometry Workflow with Hudson's Off-the Shelf Solution

Hudson CytoLoader for Flow Cytometry Platforms

Get higher throughput and more up-time from your current flow cytometer.

Our off-the-shelf solution require minimal scoping with no compromise on functionality.

We have simple but robust standardized configurations of the Hudson CytoLoader for the following instruments:
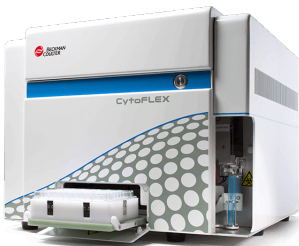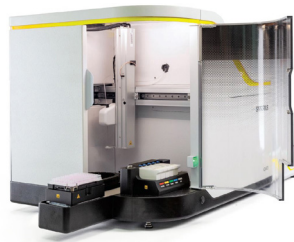
Agilent
NovoCyte Advanteon

BD Biosciences
**BD Celesta™ Cell Analyzer
with HTS**

BD Biosciences
**BD LSRFortessa™ Cell Analyzer
with HTS**

Beckman Coulter
CytoFlex, CytoFlex S

Sartorius
iQue® 3

BIORAD
ZE5 Cell Analyzer

Luminex
**xMAP® INTELLIFLEX System,
xMAP® INTELLIFLEX DR-SE System**

Hudson CytoLoader offers:

- Increased walk-away time.
- Improved time-on-instrument with 24/7 run capabilities.
- Reliable and durable automated solutions via a PlateCrane™ or SciClops Microplate Handling Robot
- Easy to use, intuitive user interface to control the workflow
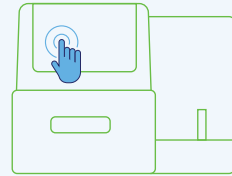
Don't see your flow cytometer?

Just get in touch and we will help you configure other options. With hundreds of standard software plug-ins available, we can automate virtually any microplate-compatible instrument. From robotic microplate loading to flow cytometry sample prep, we have a solution for you.

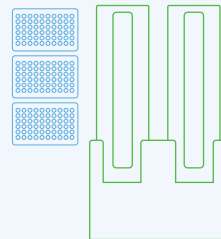# Automating your flow cytometry workflow couldn't be simpler.

Hudson has made your job of running automated Flow Cytometry effortless – here is what you need to do:

1. Select one of your pre-defined methods in your flow cytometer

2. Load a stack of sample plates to be processed in the input stack

    The PlateCrane EX or PlateCrane SciClops will sense the stack height and automatically determine the number of plates in the stack before removing the first one, so you need not even tell the system how many plates are being loaded. In fact, you may add plates on the fly to be processed without interacting with any software.

3. Hit the Start button in the Hudson software. Repeat as needed.

    When signaled that the run is complete, unload the output stack, analyze your results and repeat as necessary to complete your study

Standard Microplate Robots to Load your Flow Cytometer – two versions, one great solution!

PlateCrane™ EX Microplate-Handling Robotic Arm

Hudson's PlateCrane EX provides unsurpassed ease and reliability for automating any microplate format instrument for high throughput analysis.

Hudson's PlateCrane EX™ Robotic Arm is an affordable, flexible option for automating any plate handling task. The PlateCrane EX can be configured to serve one or multiple microplate compatible instruments.

- Configured to handle up to 25 standard microplates with lids, 30 without lids

- Integrates easily with many standard flow cytometers

- Is designed to be easy to install, use and maintain with high reliability and flow cytometery method flexibility required by you.

- Allows adding additional plates on the fly to active, running protocols.

PlateCrane™ SciClops Higher Capacity Robotic Arm

For Flow Cytometers with harder to reach loading positions, The **PlateCrane SciClops** utilizes a longer reach axis, allowing it to access deeper into an instrument, as well as affording more capacity in a 40% larger work envelope to future-proof your investment.

- Handles any ANSI SLAS standard microplate including 96, 384, 1536 – standard height and deep well blocks.

- Automates plate loading with a growing list of flow cytometers.

- Works with lidded or unlidded plates.

- Random access stacker option where required.

- Add additional plates to active, running protocols with ease on the fly.

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