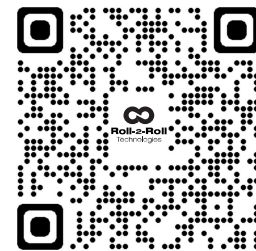


## Roll-2-Roll® Upgrade Kit

Our upgrade kit is the ultimate solution for upgrading any type of intermediate web guide or unwind/rewind web guide. With this cost-effective upgrade, you can retain your existing web guide mechanism and simply replace all other components with our advanced technology. The upgrade kit includes: **Roll-2-Roll®** Sensor, **Roll-2-Roll®** Controller, **Roll-2-Roll®** Actuator and **Roll-2-Roll®** Driver.



Key step involved in the upgrade process is the installation of the **Roll-2-Roll®** Actuator in the existing web guide mechanism, and we offer several front and rear mounting options to make this process simple. Whether you have a new, old, or obsolete web guiding system, our upgrade kit is the perfect solution to improve efficiency and reduce downtime.

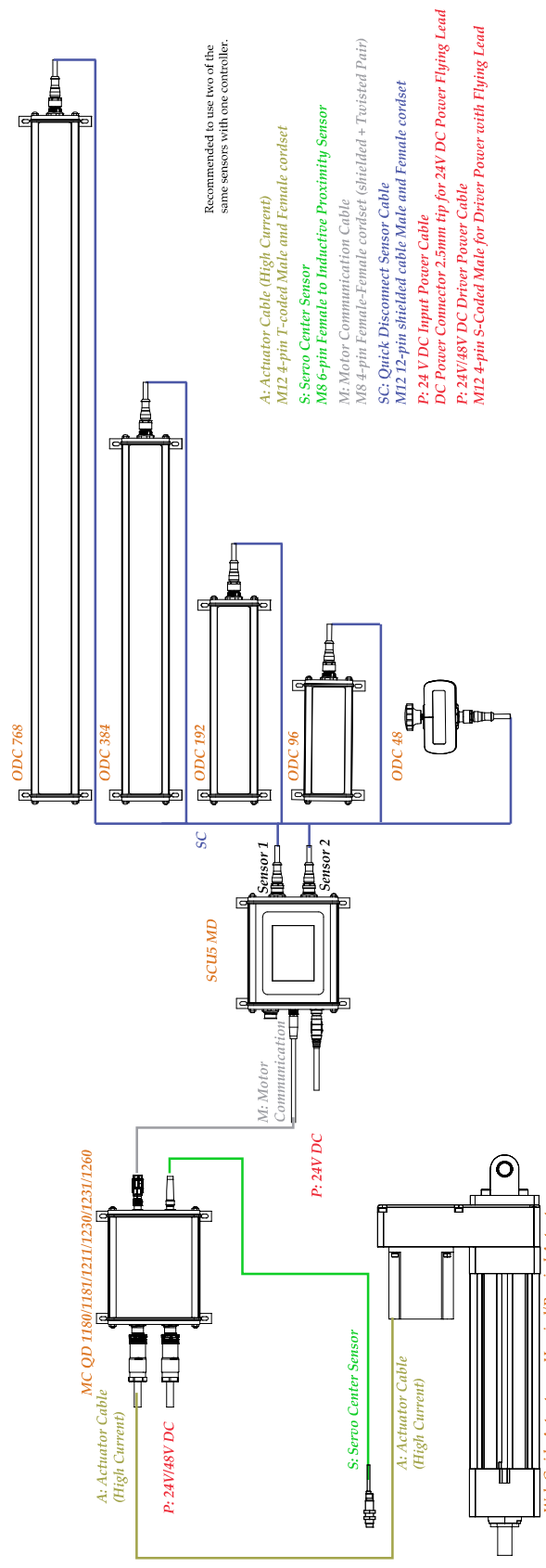


## Roll-2-Roll® Actuator

Our reliable brushless stepper or brushless servo actuators offer high thrust, speed, and precision for your web guiding needs. With our actuators, you can upgrade any type of intermediate web guide or unwind/rewind web guide, while eliminating the need for maintenance often associated with traditional brushed actuators. Our actuators can handle a wide range of thrusts, from 200 N (50 lbf) to 18,000 N (4000 lbf), and can move stands weighing up to 18,000 Kg (40,000 lb).

## Features and Benefits:

- **Cost-Effective:** Retain your existing web guide assembly while integrating advanced technology to save money and reduce waste with high-precision guiding.
- **Plug-and-Play Simplicity:** Reduce downtime with quick installation and seamless operation.
- **Compact One-Sided Sensor:** Facilitates easy threading and fits tight spaces, complementing the upgrade's efficiency.
- **Enhanced Operator Safety & Efficiency:** With a wide sensing range and clear imaging, reduce errors and increase safety.
- **Minimized Downtime:** With our sensor's increased reliability, ensure smoother operations and reduced interruptions.



MC QD 1180/1181/1211/1230/1231/1260

A: Actuator Cable (High Current)

P: 24V/48V DC

S: Servo Center Sensor

A: Actuator Cable (High Current)

Web Guide Actuator or Unwind/Rewind Actuator

M: Motor Communication

P: 24V DC

SCU15 MD

Sensor 1

Sensor 2

SC

ODC 768

ODC 384

ODC 192

ODC 96

ODC 48

Recommended to use two of the same sensors with one controller.

- A: Actuator Cable (High Current)  
M12 4-pin T-coded Male and Female cordset
- S: Servo Center Sensor  
M8 6-pin Female to Inductive Proximity Sensor
- M: Motor Communication Cable  
M8 4-pin Female-Female cordset (shielded + Twisted Pair)
- SC: Quick Disconnect Sensor Cable  
M12 12-pin shielded cable Male and Female cordset
- P: 24 V DC Input Power Cable  
DC Power Connector 2.5mm tip for 24V DC Power Flying Lead
- P: 24V/48V DC Driver Power Cable  
M12 4-pin S-Coded Male for Driver Power with Flying Lead

