

Roll-2-Roll Steering Guide

Narrow Web Steering Guide Assembly Front View

Most Intelligent **WEB GUIDES** should be **EASY TO USE!**

Key Features

- **Intermediate and terminal guiding** – versatile positioning for various line locations
- **Complete integrated system** – sensor, controller, actuator, and frame included
- **Zero recalibration sensors** – material-agnostic detection works on any substrate
- **Multiple mounting options** – pivot, rod eye, or clevis mounting available
- **High thrust options** – RLA actuators for demanding applications

Benefits

- **Stop edge wander** that causes quality defects and trim waste
- **Eliminate manual web steering** that ties up operator time
- **End sensor recalibration** when switching between materials
- **Remove installation constraints** – multiple mounting options fit your line layout
- **Prevent process upsets** – fast response maintains web position during transients

Specifications

System Includes	Sensor (ODC/1DC) + Controller (SCU5/SCU6x) + Actuator + Steering Frame + Cables		
Guide Types	Intermediate and terminal	Actuator Options	LHS-WG, LHS-RF, RLA
Mounting Options	Pivot, Rod Eye, Clevis		
Sensor Technology	Fiber optic (diffuse-reflective)	Controller	SCU5 or SCU6x
Repeatability	>99.9%	Resolution	0.0635 mm (0.0025 in)

Applications

- Intermediate web position correction
- Terminal guiding at unwind/rewind

- Multi-station converting lines
- Printing and coating applications

Compatibility

SUPPORTED LINE SPEEDS

500-1000 fpm

SUPPORTED MATERIAL TYPES

Mesh/Screen, Mesh/Screen

SUPPORTED WEB WIDTHS

Medium (12"-48"), Medium (12"-48")

Supporting Documentation

Manuals (9)

- ARIS SCU5 EtherNet/IP Configuration Manual
- Installation of Steering Guide
- Motor Driver MC QD 1140/1141/1161/1180/1181/1211/1230/1231/1240/1260
- SCU5: Sensor and Web Guide Controller User Manual v3.4
- Servo Center Servo Installation
- Standard Operating Procedure (SOP): Center Guiding Application (v2.x)
- Standard Operating Procedure (SOP): Edge Guiding Application (v2.x)
- Standard Operating Procedure (SOP): Line Guiding Application
- Web Guide Installation Checklist

Wiring Diagrams (2)

- SCU5 MD Wiring with MC QD 1141/1140/1240 + Web Guide Actuator
- SCU5 MD Wiring with ODC Sensor, MC QD 1140/1141/1240 with Web Guide



Scan for datasheets, 3D models & full documentation
<https://r2r.tech/products/web-guides/steering-guide>

Ready to Get Started?

Contact our experts to discuss how this product fits your application.

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