

# Low Profile Web Guides

Low Profile web guide:U-pattern

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

## Key Features

- **Minimal height profile** – fits in tight vertical spaces
- **Complete integrated system** – sensor, controller, actuator, and frame included
- **Zero recalibration sensors** – material-agnostic detection works on any substrate
- **High-speed response** – fast actuator response for demanding applications
- **Easy maintenance access** – components accessible without major disassembly

## Benefits

- **Stop redesigning machine layouts** for bulky web guide systems
- **Eliminate vertical space constraints** – low profile design fits where others cannot
- **End sensor recalibration time** – material-agnostic sensing works on any substrate
- **Remove maintenance delays** – easy access design reduces service time
- **Prevent production compromises** – high-speed response handles demanding materials

## Specifications

<b>System Includes</b>	Sensor (ODC/1DC) + Controller (SCU5/SCU6x) + Actuator (LHS-LP) + Frame + Cables		
<b>Profile</b>	Low profile design	<b>Actuator</b>	LHS-LP (Low Profile)
<b>Sensor Technology</b>	Fiber optic (diffuse-reflective)	<b>Controller</b>	SCU5 or SCU6x
<b>Repeatability</b>	>99.9%	<b>Resolution</b>	0.0635 mm (0.0025 in)
<b>Motor Type</b>	Brushless bi-polar stepper	<b>Protection Class</b>	IP54

## Applications

- Retrofit applications with limited vertical space
- Converting lines with tight machine layouts

- Printing presses
- Laminating and coating lines

## Compatibility

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### SUPPORTED LINE SPEEDS

500-1000 fpm

### SUPPORTED MATERIAL TYPES

Mesh/Screen, Opaque Material

### SUPPORTED WEB WIDTHS

Wide (48"-72"), Narrow (<12")

## Supporting Documentation

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### Manuals (11)

- ARIS SCU5 EtherNet/IP Configuration Manual
- Installation of Displacement Guide
- Low Profile Web Guide Product Manual (V2.4)
- Master/Slave Web Guiding System Installation
- Motor Driver MC QD 1140/1141/1161/1180/1181/1211/1230/1231/1240/1260
- SCU5 M: Web Guide Controller Product and User Manual (V2.6)
- SCU5: Sensor and Web Guide Controller User Manual v3.3
- SCU5: Sensor and Web Guide Controller User Manual v3.4
- Standard Operating Procedure (SOP): Edge Guiding Application (v2.x)
- Standard Operating Procedure (SOP): Line Guiding Application
- Web Guide Installation Checklist

### 2D Drawings (9)

- Dimensional drawing of Low Profile Web Guide - U Pattern
- Dimensional drawing of Low Profile Web Guide - Z Pattern
- LHS-005-0125-LP: 2D Drawing (dxf)
- LHS-005-0400-LP: 2D Drawing (dxf)
- LHS-005-0xxx-LP: 2D Drawing (pdf)
- Motor Controller - MC QD 1140/1141/1240/1241: 2D Drawing
- Motor Controller - MC QD 1140/1141/1240/1241: 2D Drawing (DXF)
- SCU5 Controller: 2D Drawing (DXF)
- SCU5 Controller: 2D Drawing (pdf)

### 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/low-profile-web-guides>

## Ready to Get Started?

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

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