



A Maxcess  
International  
Company

# Scan-A-Web<sup>®</sup> Visual Inspection System



**T**he Scan-A-Web Visual Inspection System provides quality assurance by allowing direct, live image viewing of a moving web. Widely used to ensure print quality, color, and registration, this system delivers a full viewing width of 19.7" (500 mm), with optional 5X and 10X magnification scopes available for more detailed inspections.

This digital, processor-driven web viewer adapts to most press types, accepting almost any index pulse indicating web speed. Web threading arrangements can be either straight or bent, allowing the operator to perform detailed, in-process inspections of the web surface while running at full production speed.

Hard-lock image stability is available with every system and is determined only by the dedicated signal input device installation—a variety of which we offer, helping to eliminate frustrating calculations and awkward installations. Optional front and/or rear lighting is also available, as well as in-out and side motion track arrangements.

## KEY FEATURES

### Key Features:

- Allows detailed, in-process inspection of a moving web.
- Large field-of-view, with widths up to 19.7" (500 mm).
- Hard-lock image stability for quality assurance.
- User-friendly menu control.
- Several input devices to choose from.
- 5X and 10X magnification scopes available.
- Front and rear lighting options.
- Optional mounting configurations to match your needs.

## SPECS

### General Specifications

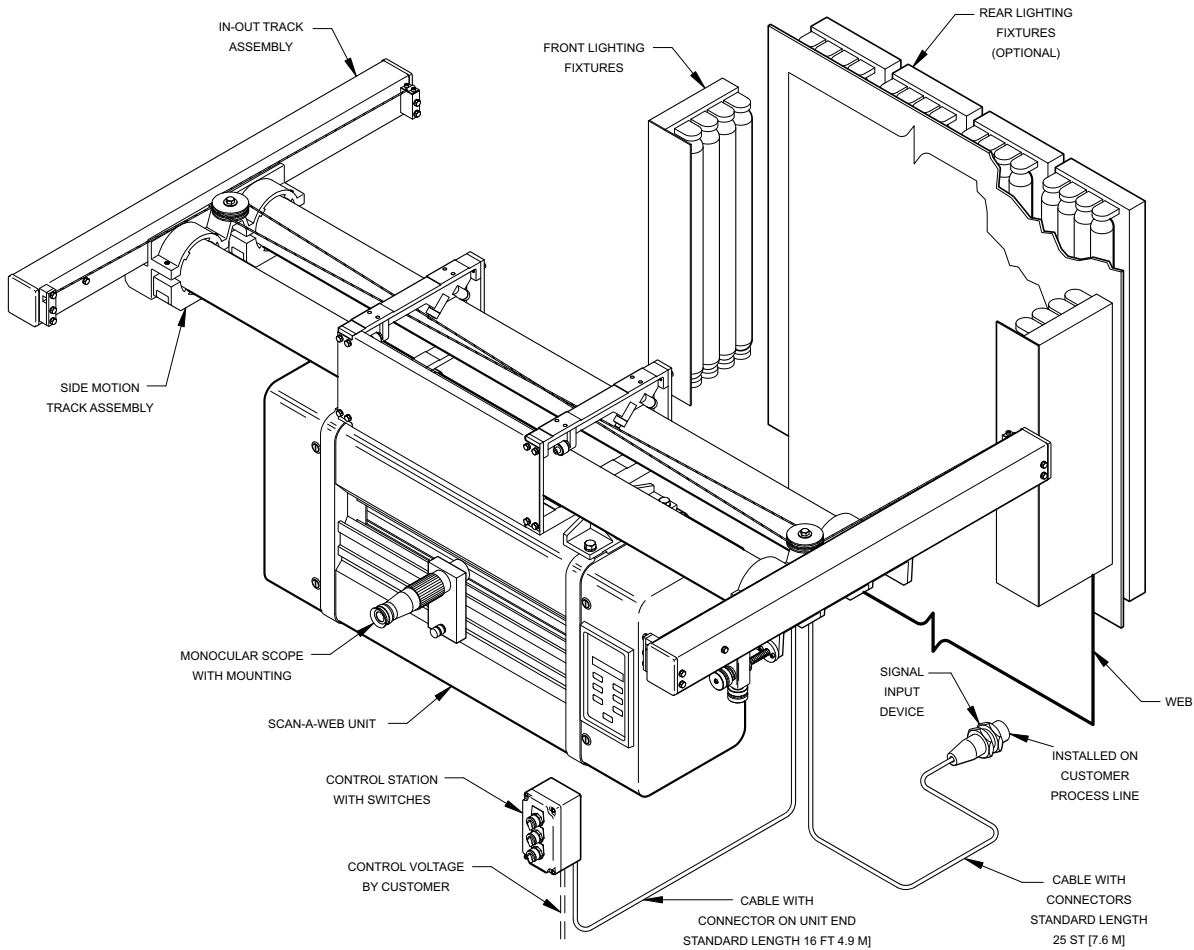
**Product Name:**  
Scan-A-Web  
Visual Inspection System

**Fixed Viewing Width:**  
19.7" (500 mm)

**Maximum Web Speed:**  
300 fpm

**Minimum Repeat Length:**  
Approx. 15" (381 mm)

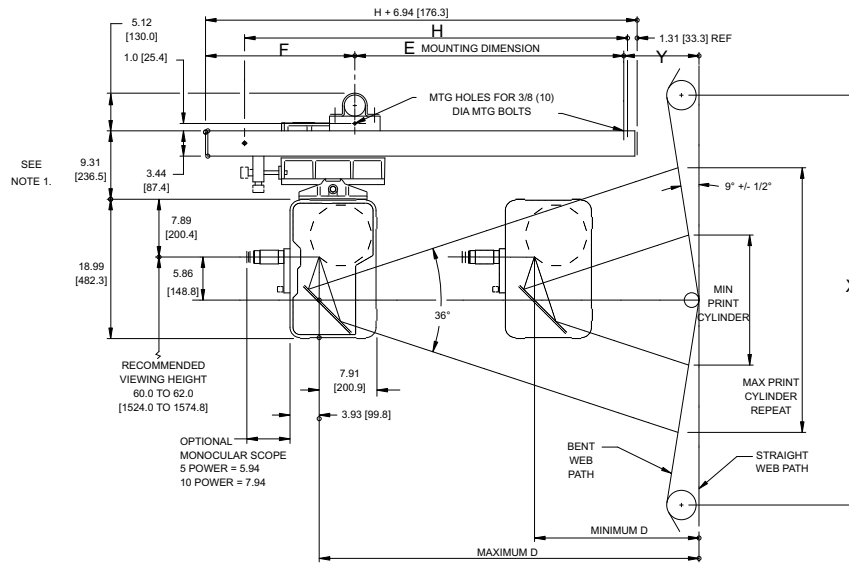
**FIGURE 1. TYPICAL SCAN-A-WEB SYSTEM**



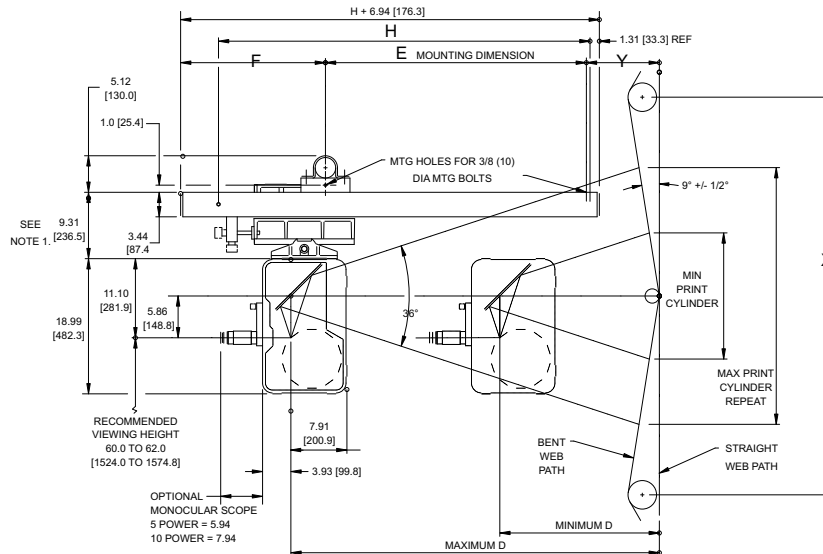
**FIGURE 2 AND 3 NOTES:**

1. Either installation is available with low-profile mounting brackets instead of the standard mounting brackets shown. For low-profile units noted dimension is 7.44" (189 mm).
2. Bent-web idler roller diameter should be as small as possible. Recommended roller diameter size is 2 to 2-1/2" (51 to 64 mm).
3. Print Cylinder Repeat Length equals: One Print Cylinder Revolution or One Print Cylinder Circumference. It does not necessarily equal on pattern repeat length if there are multiple patterns printed per each evolution of the print cylinder.
4. The minimum repeat length that can be viewed is approximately 15" (381 mm). The exact value will vary with each application. It may be necessary to view two repeats length at once if the print cylinder repeat length is less than 15" (381 mm).

**FIGURE 2. STANDARD UNIT APPLICATION**



**FIGURE 3. INVERTED UNIT APPLICATION**



**FIGURE 2 AND 3 NOTES (Continued)**

The following equations define the variables used in Figures 2 and 3:

**Dimension D:** Model XLS (Straight web)  $D = (\text{Print Cylinder Repeat} \times 1.5388) - 5.86''$  (149 mm)

**Dimension E and F**

Refer to the dimension chart on the last page of this Product Sheet for dimensions E and F.

**Dimension H:** Minimum  $H = (\text{Maximum D}) - (\text{Minimum D}) + 18.5''$  (470 mm)

Actual travel length to be next greater standard increment as shown in dimension chart on the last page of this Product Sheet.

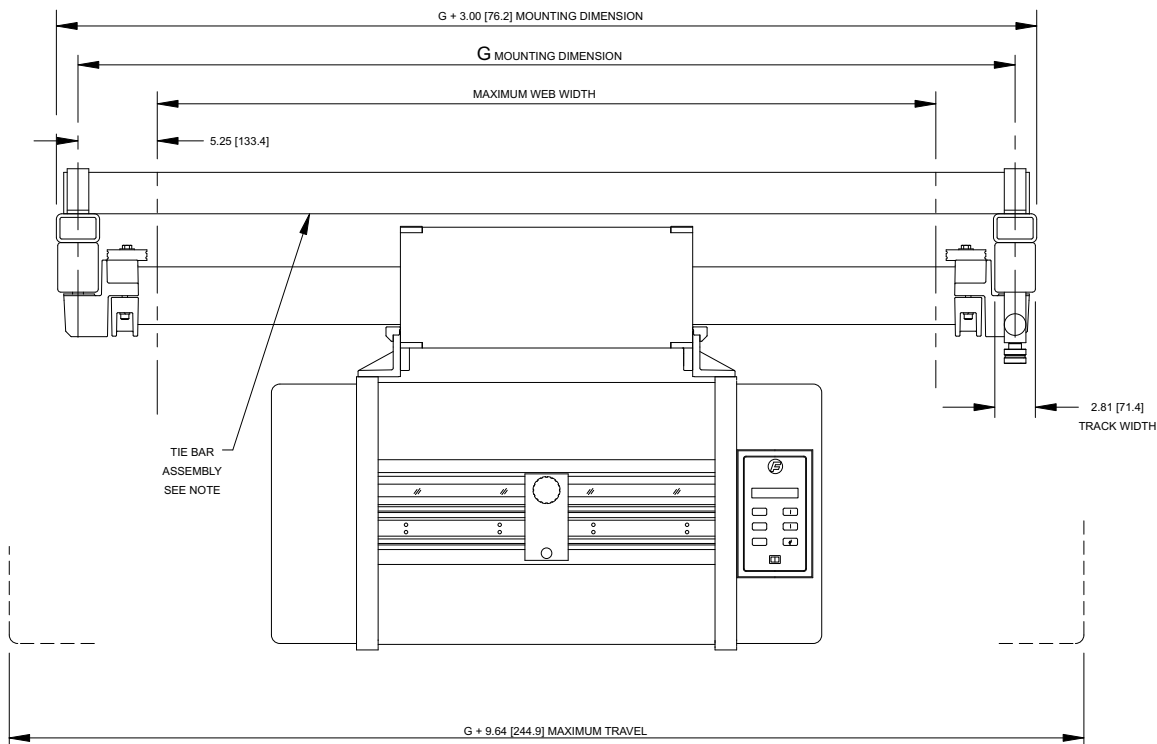
**Dimension X**

Model XLS (Straight web)  $X = \text{Max. Print Cylinder Repeat} \times 1.181$

Model XLB (Bent web)  $X = \text{Max. Print Cylinder Repeat} \times 1.157$

**Dimension Y:**  $Y = (\text{Max D} + \text{Min D} - H - 2.77''$  (70 mm)) divided by 2.

### FRONT VIEW OF TYPICAL SCAN-A-WEB APPLICATION



**NOTE:**

The tie bar will be supplied if there is sufficient space above tracks. If the tie bar assembly is not used, dimension 'G' will be the mounting dimension for mounting brackets.

**DIMENSION "G" (DETERMINED BY MAXIMUM WEB WIDTH) Inches (Millimeters)**

WEB WIDTH	19.5 (495)	24.5 (622)	29.5 (749)	34.5 (876)	39.5 (1003)	44.5 (1130)	49.5 (1257)	54.5 (1384)	59.5 (1511)	64.5 (1638)	69.5 (1765)	74.5 (1892)	79.5 (2019)	84.5 (2146)	89.5 (2273)	94.5 (2400)	99.5 (2527)	104.5 (2654)	109.5 (2781)	114.5 (2908)	119.5 (3035)	124.5 (3162)	129.5 (3289)
MIN "G"	30.0 (762)	35.0 (889)	40.0 (1016)	45.0 (1143)	50.0 (1270)	55.0 (1397)	60.0 (1524)	65.0 (1651)	70.0 (1778)	75.0 (1905)	80.0 (2032)	85.0 (2159)	90.0 (2286)	95.0 (2413)	100.0 (2540)	105.0 (2667)	110.0 (2794)	115.0 (2921)	120.0 (3048)	125.0 (3175)	130.0 (3302)	135.0 (3429)	140.0 (3556)

**DIMENSIONS "E" AND "F" DETERMINED BY STANDARD "H" (For drawings on previous page) Inches (Millimeters)**

Min. "H"	20.0 (508)	25.0 (635)	30.0 (762)	35.0 (889)	40.0 (1016)	45.0 (1143)	50.0 (1270)	55.0 (1397)	60.0 (1524)	65.0 (1651)	70.0 (1778)	75.0 (1905)	80.0 (2032)	85.0 (2159)	90.0 (2286)	95.0 (2413)	100.0 (2540)	105.0 (2667)	110.0 (2794)
E	14.81 (376)	19.81 (503)	19.81 (503)	24.81 (630)	29.81 (757)	29.81 (757)	34.81 (884)	39.81 (1011)	44.81 (1138)	44.81 (1138)	49.81 (1265)	54.81 (1392)	59.81 (1519)	64.81 (1646)	69.81 (1773)	74.81 (1900)	79.81 (2027)	84.81 (2154)	89.81 (2281)
F	10.31 (262)	10.31 (262)	15.31 (389)	15.31 (389)	15.31 (389)	20.31 (516)	20.31 (516)	20.31 (516)	20.31 (516)	25.31 (643)	25.31 (643)	25.31 (643)	25.31 (643)	25.31 (643)	25.31 (643)	25.31 (643)	25.31 (643)	25.31 (643)	25.31 (643)



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