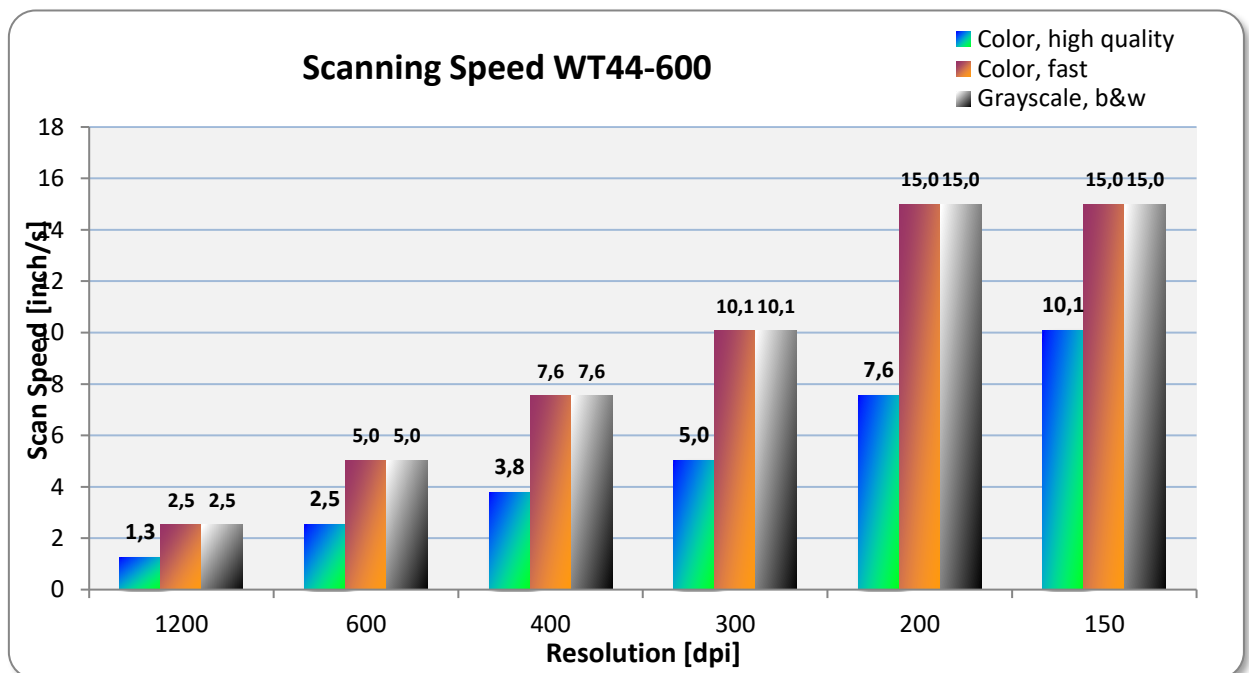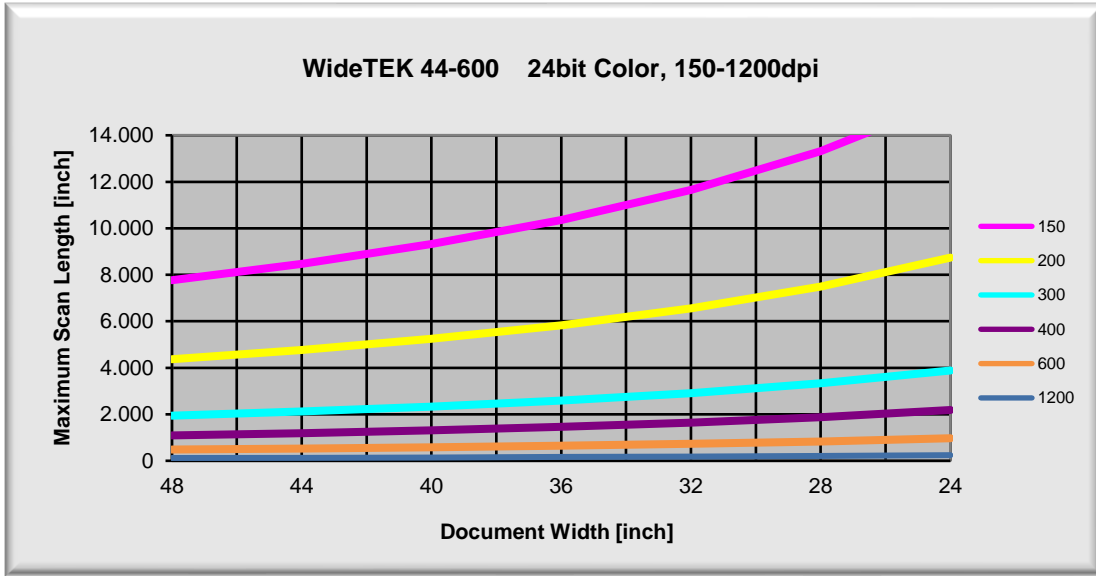# WideTEK® 44

Scanning Speed

The scanning speed depends on the resolution alone. The WideTEK® scanners always scan in full color, even if bitonal image output is selected. This produces the best possible images. The following table shows the scan speed depending on the resolution.

Scanning Speed WT44-600

Legend: Color, high quality / Color, fast / Grayscale, b&w

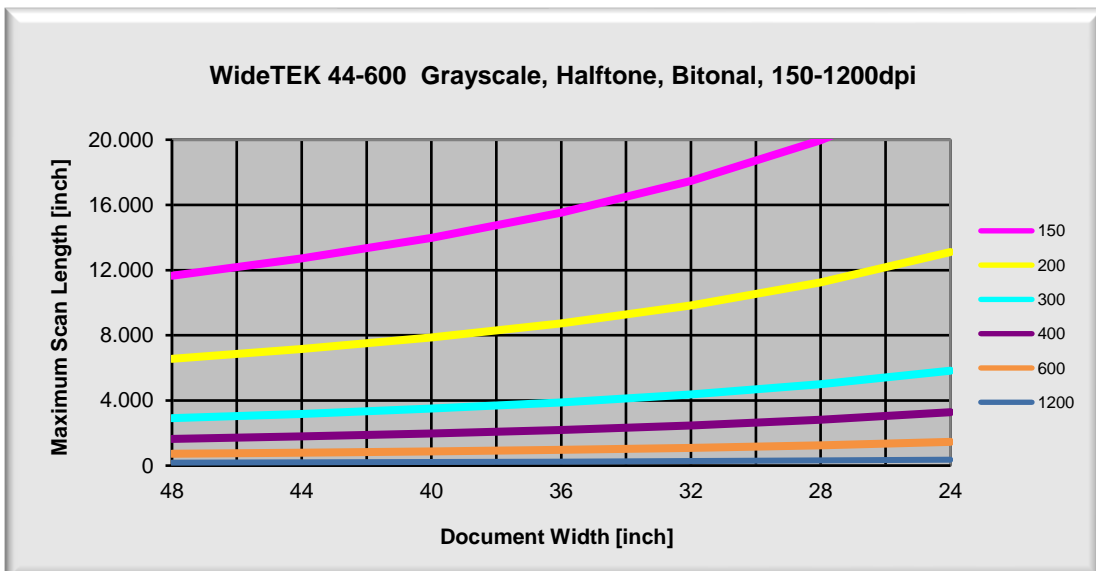| Resolution [dpi]	Color, high quality	Color, fast	Grayscale, b&w
1200	1,3	2,5	2,5
600	2,5	5,0	5,0
400	3,8	7,6	7,6
300	5,0	10,1	10,1
200	7,6	15,0	15,0
150	10,1	15,0	15,0

Scan Speed [inch/s]

Relation between Documents Length and Resolution

The maximum document length depends on three factors, resolution, color depths and document width. The WT44-600 has 16 GB memory build into the scanner, enough to scan a 44" wide document at 300dpi up to a length of 2118" or 54 m. The following tables show the relation between the scanning length, document width, resolution, and color depth.

24bit Color:

8bit Grayscale, Halftone and Bitonal:

Optical System

Document Width	1270 mm (50 inch)
Scan Width	1118 mm (44 inch)
Scan Direction	Face up
Scanner Resolution	1200 x 1200 dpi (optionally 9600 x 9600 dpi interpolated)
Optical Resolution	1200 x 600 dpi
Pixel Dimension	9.3 x 9.3 µm
Sensor Type	Four Tri-Color CCD, encapsulated and dust-proof
Color Depth	48 bit color (internal resolution) 16 bit gray scale (internal resolution)
Scan Modes	24 bit color, 8 bit grayscale, bitonal, enhanced halftone
File Formats	Multipage PDF (PDF/A) and TIFF, JPEG, JPEG 2000, PNM, PNG, BMP, TIFF (Raw, G3, G4, LZW, JPEG), AutoCAD DWF, JBIG, DjVu, DICOM, PCX, Postscript, EPS, Raw data and more

Accuracy and Stitching

Stitching Target	Permanently built-in
Warm-up Time	None
Accuracy in Scan Direction	± 0.08% across 44 inch scanning width
Accuracy in Transport Direction	± 0.08%

Illumination System

Light Source	Two linear lamps with white LEDs, integrated optical diffusor
Warm-up Time	None
Temperature Dependency	None
UV / IR Emission	None
Lamp Lifetime	50,000 hours typ. Lamps are covered by the Extended Warranty Option

Electrical Specifications

External Power Supply

Voltage	100 – 240 V AC
Frequency	47 – 63 Hz
Operating Temperature	5 to 40 °C (40 to 105 °F)
Relative Humidity	20 to 80% (non-condensing)
ECO Standard	CEC level VI

Scanner

Voltage	24 V DC
Current	Max. 5 A

Power Consumption

$P_{(Off)}$	0.3W
$P_{(Sleep)}$	4.5W
$P_{(Ready)}$	60W
$P_{(Active)}$	120W

63% below ENERGY STAR requirements   Image Access FAQ

Document Specifications

Document Length	Up to 500 m (20.000 inch) [1]
Document Weight	Any. Straight paper path can handle the stiffest documents
Document Thickness	3 mm (0.1 inch) max.

[1] The maximum document length depends on the scan resolution and the scan output.

Dimensions and Weight

Scanner Outer Dimensions (H x W x D)	228 x 1425 x 507 mm (9 x 56 x 20 inch)
Scanner Outer Dimensions (incl. Floor Stand) (H x W x D)	1070 x 1425 x 507 mm (42 x 56 x 20 inch)
Weight of Scanner	60 kg (132 lbs.)
Transport Box Dimensions (Scanner) (H × W × D)	550 x 1600 x 800 mm (22 x 63 x 31 inch)
Scanner Weight, Ready to Ship	110 kg (243 lbs.)

Transport Box Dimensions (Bundle) (H × W × D)	650 x 1600 x 800 mm (25 x 63 x 31 inch)
Weight of Bundle (Scanner, Floor Stand, Touchscreen)	80 kg (176 lbs.)
Bundle Weight, Ready to Ship	133 kg (293 lbs.)

Ambient Conditions

Operating Temperature	5 to 40 °C (40 to 105 °F)
Storage Temperature	0 to 60 °C (32° to 140 °F)
Relative Humidity	20 to 80% (non-condensing)
Noise	< 35 dB(A) (Operating) < 25 dB(A) (Standby)