

# FSS 4300<sup>DSP</sup> Full Scale Scanner



The Contex Full Scale Scanner FSS 4300<sup>DSP</sup> is a cost-effective solution for fast, high volume scanning.

The same compact scanner provides for capture and management of scanned documents on WINDOWS 95, 98, NT.

The scanner automatically digitizes drawings up to 40 inches wide (E-Size/A0 oversize, scanwidth 36"/914mm), its straight-through document path handles all kinds of media for CAD conversion, Archiving and GIS applications.

## High-resolution Scanning

You select resolutions – 400, 300, 200, 150, 75, 50, or 25 dpi - to match requirements and storage capabilities.

The FSS 4300<sup>DSP</sup> creates raster files, with more than 50 formats selectable, compatible with virtually all third party software.

The FSS 4300<sup>DSP</sup> is very fast, scanning a typical E-size CAD drawing directly to RLC format in 15 seconds at 300dpi.

The Auto-Feed and Auto-Size detection features further reduce operating time and handling when scanning batches of drawings.

## Scanning Features

Scanning is controlled by the WIDEimage software, omitting the need to move between the scanner and your Workstation.

Using the split-screen you can interactively move and pan the drawing, pre-viewing the result of different settings on-screen.

The built-in dedicated highspeed Digital Signal Processor (DSP) performs image processing and enhancement in real-time.

The unique two-dimensional 2D-Adaptive Thresholding provides clean crisp scans from poor quality drawings on-line without pre-scan.



**Original - after 2-D Adaptive Scan**

It automatically adapts to the drawing, compensating for varying background, faded areas and stains.

Further electronic deskew, speckle removal and holefilling may be performed on-the-fly during scanning, giving you perfectly horizontally aligned and speckle-free scanned drawings.

Movable and size-able "scan-window" to scan part of a drawing.

Both Raster and Gray-tone scanning are selectable. The Reverse and Mirror Image scanning provides the ability to scan negatives.

While scanning in Gray-tone mode you can interactively adjust Brightness and Contrast on-line.

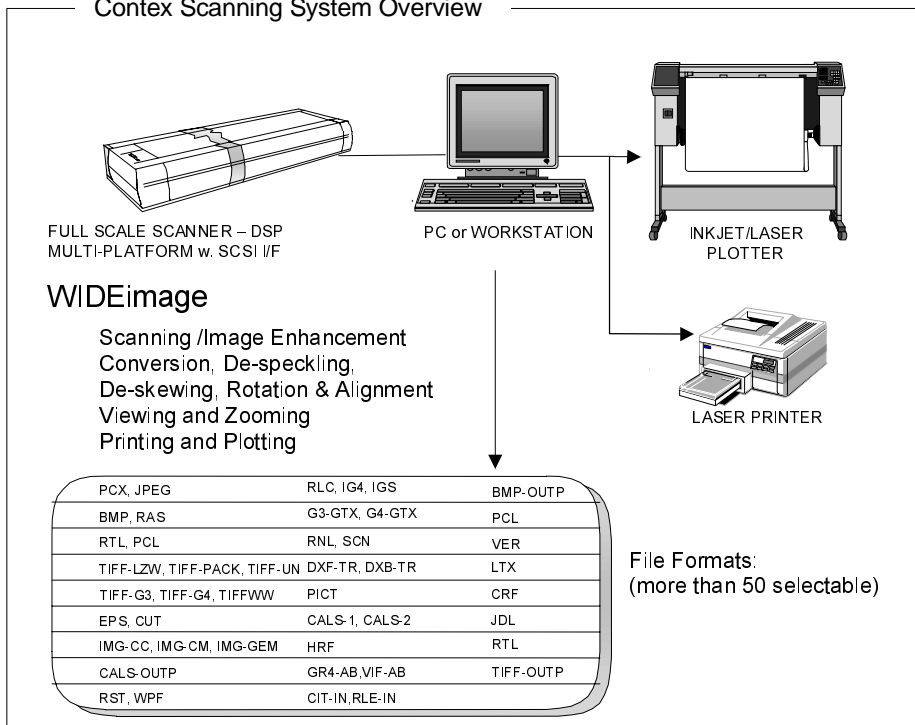
For stable uniform high quality of the scanned images, automatic pixel-to-pixel equalization of light and amplification is performed against the built-in reference background prior to each scan.

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## Contex Scanning System Overview



### Convert, Align, View & Print

After scanning good post-scan support is important, for a perfect result with the more than 50 industry standard raster file formats supported.

The WIDEimage software converts between the file formats, thereby omitting any re-scanning, and simultaneously you can specify any degree of rotation, cropping, inverting, mirroring and de-speckling of the drawing.

You can do on-screen viewing, zooming and measuring of views without size limitations.

You can plot drawings to the most popular inkjet/laser plotters and printers.

### Interface kits

The Full Scale Scanner protects your investment with interface kits for all the popular PC and UNIX Workstation platforms:

#### Windows 95, 98 & NT

Kits includes SCSI I/F cable, terminator and WIDEimage software.

### FSS4300<sup>DSP</sup> Specifications

#### Sensors:

- Single CCD, 8.000 pixels

#### Resolutions (dpi):

- 400,300,200,150,75, 50 & 25

#### Media width:

- 6.0" to 40" (1016 mm.)

#### Scan width:

- 36" (914 mm.)

#### Scan length:

- Not limited by scanner

#### Raster:

- Interactive and Adaptive.
- Dynamic thin-line enhancement and Histogram analysis.
- Deskewing and Despeckling.

#### Graytones:

- 256 levels (8 bit)

#### Light source:

- Stabilized fluorescent lamp

#### Optics:

- Compact folded optical path, torsion stabilized for portability.

#### Interface:

- Standard SCSI

#### Dimensions:

- 47.25" wide x 7.9" high x 15" deep (1200 x 200 x 380 mm.)

#### Weight:

- 41 Kg.

#### Power:

- 110/220/240V, 60/50 cs, 130 W

**Floor Stand:** Optional.

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