

# 4601-MS

## DIGITAL FILM SCANNER

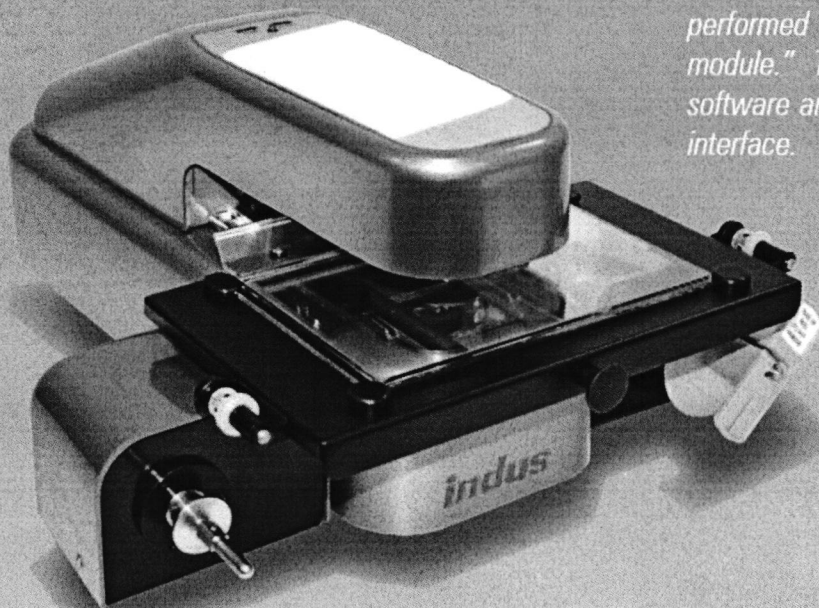
**Capture the Indus Advantage** – High quality product, quick delivery, installation and user training on-site and on-going hardware and software support.

- POWERFUL SCANNING FEATURES IN A SMALL FOOTPRINT
- FAST 1-SECOND PREVIEW AND SCANNING IN COLOR OR B&W
- EASY-TO-USE CONTROLS. ENERGY-EFFICIENT OPERATION
- SCANS MICROFICHE, JACKETS, APERTURE CARDS, 16MM & 35MM ROLL FILM, NEGATIVE & POSITIVE COLOR FILM
- SCAN RESOLUTION UP TO 600 DPI
- IMAGE ROTATION, SKEW ADJUSTMENT, IMAGE MASKING
- TIME-SAVING SCAN-TO-FILE, SCAN-TO-PRINT, SCAN-TO-EMAIL AND SAVE-TO-USB FUNCTIONS
- STANDARD MS TOUCH SOFTWARE, TOUCH PANEL COMPATIBLE

The **Indus 4601-MS** is an advanced digital scanner that will scan microfilm, microfiche, aperture cards, micro opaque cards and jackets. It will also scan **COLOR** microfilm, 35mm transparencies and positives displaying them on the computer screen instantaneously. The resulting scanned images are sharp and crisp and of the highest quality thanks to the high resolution 10 megapixel color area CCD sensor combined with the highest quality lens and LED illumination. The scan resolution ranges from 100 dpi in steps to 600 dpi. Imaging formats are the most commonly used: TIFF, JPEG, PDF, BMP and JPEG 2000.

With the **4601-MS** users in educational institution libraries, public and corporate libraries, governmental organizations and other users of film media can replace the analog equipment of the past and step into the digital information world enabling the easy retrieval, exchange and delivery of digitized information in their PC and via the internet.

The **4601-MS** is fast; users can preview scanned images in less than a second, perform image adjustment functions, scan to a file for storage on your computer, scan to print to an attached printer or scan directly to an email or save the scanned file to a USB memory stick, all by a few clicks of the mouse. Continuous scanning of a full roll film can be performed with the optional "continuous scanning module." The **4601-MS** comes with the application software and connects to the PC via a fast USB 3.0 interface.



**indus**<sup>®</sup>  
Tools for the microinformation age

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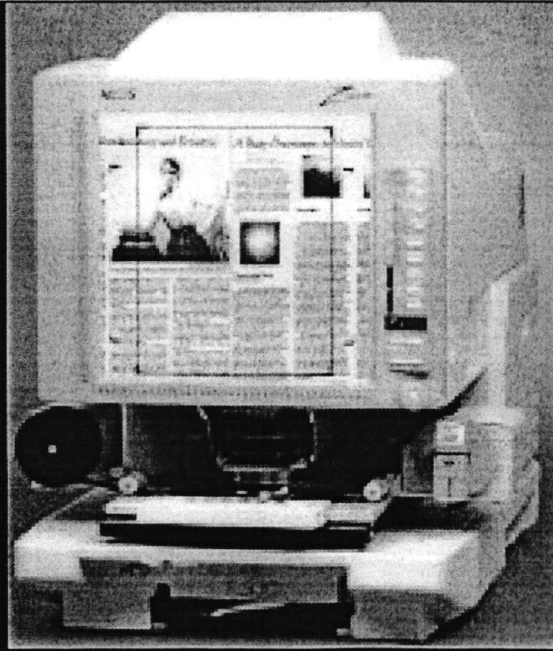
### TECHNICAL SPECIFICATIONS

<b>Compatible Film Types</b>	<i>Microfiche; jackets; jumbo fiche; microcards; 16/35mm roll microfilm; cartridge (M-type, C-clip); aperture cards; photographic slides; negatives</i>
<b>Image Sensor</b>	<i>High-resolution area array with real-time on-screen view</i>
<b>Lens Optics</b>	<i>Production-level, high-end customized lens developed specifically for microform clarity</i>
<b>Capture Mode</b>	<i>Color, grayscale or bi-tonal</i>
<b>Capture Time</b>	<i>1/3 second per image</i>
<b>Magnification</b>	<i>7x to 96x</i>
<b>Maximum Scan Area</b>	<i>35 x 47/ 1.38 x 1.85 inches (on film)</i>
<b>Output Resolution</b>	<i>100-600 dpi</i>
<b>Output Options</b>	<i>Scan to CD/DVD, file, USB, print, email, cloud</i>
<b>Focus Adjustment</b>	<i>Automatic and manual</i>
<b>Sensor Optimization</b>	<i>Included; fully adjustable optical image rotation</i>
<b>Zoom Adjustment</b>	<i>Motorized (optical) and digital</i>
<b>File Formats</b>	<i>TIFF (raw, compressed, multi-page); PDF (single, multi-page); JPEG; JPEG 2000; BMP</i>
<b>Integrated USB Output</b>	<i>Two built-in USB 2.0 ports*/flash-drive ports (* with backward compatibility)</i>
<b>Standard Features</b>	<i>Touch-screen; manual and motorized roll film pods; smart edit; opaque microcard LED, 3M adapter</i>
<b>Scanner Options</b>	<i>Vendor interface kit; RapidScan Batch Scanning; OCR and Annotation</i>
<b>Light Source</b>	<i>Custom-calibrated, color-compatible LED array</i>
<b>Security</b>	<i>Integrated Kensington lock slot</i>
<b>Interface</b>	<i>USB 3.0</i>
<b>Operating System</b>	<i>For current information, contact Indus at 608-786-0300</i>
<b>Dimensions</b>	<i>17.7 x 11.4 x 7.9 inches / 450 x 290 x 200 mm</i>
<b>Weight</b>	<i>16 lbs / 7.2 kg</i>
<b>Electrical</b>	<i>120-240 VAC, 50/60 Hz</i>
<b>Safety Approvals</b>	<i>UL for US and Canada</i>

Specifications subject to change without notice

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## INDUS MS6000 MK-II Specifications

<b>Type:</b>	Desktop Universal Digital Microform Scanner
<b>Type of Film:</b>	Microfiche, Jackets, Aperture cards, 16mm & 35mm roll film, 16mm film cartridges
<b>Screen:</b>	12" x 12" (300 x 300mm)
<b>Magnifications:</b>	7.5x, 9-16x, 13-27x, 23-50x
<b>Focus Control:</b>	Manual
<b>Print Speed MSP3000 Printer</b>	20 sheets per minute (8.5" x 11") or A4, 400 dpi)
<b>Print Size</b>	8-1/2" x 11" (A4) landscape 8-1/2" x 11" (A4) portrait 8-1/2" x 14" (B4) landscape 11" x 17" (A3) portrait
<b>Image Rotation:</b>	Prism rotation (standard Auto Image Rotation; Prism included)
<b>Zooming:</b>	Manual
<b>Scanning Speed:</b>	6.5 seconds/page
<b>Scanning Density:</b>	200, 300, 400, 600, 800 dpi
<b>Optical Resolution:</b>	400 dpi
<b>Electronic Zooming:</b>	50% - 200%, print to fit paper
<b>Multiple Printing:</b>	11- 19 prints (LED countdown identification) with MPS3000 printer
<b>Dimensions:</b>	19-3/4" x 32-3/8" x 28-1/4"
<b>Hardware Interface:</b>	Video (direct print). USB-2 (to PC) - optional Switchable on front panel
<b>Exposure:</b>	Auto, Manual

<b>Weight:</b>	86 lbs
<b>Options:</b>	<p>Microform Carriers:</p> <ul style="list-style-type: none"><li>- Fiche Carrier 9</li><li>- Universal Carrier 9</li><li>- Universal Carrier 2</li><li>- Universal Carrier 50</li><li>- Universal Carrier 59/59M</li><li>- Rollfilm Carrier 9B</li><li>- Rollfilm Carrier 53/53</li><li>- Rollfilm Carrier 15A/15M</li><li>- Rollfilm Carrier 22A</li></ul> <p>Other Options:</p> <ul style="list-style-type: none"><li>- Lenses (see Magnifications)</li><li>- Manual Frame Masking Kit</li><li>- PC Interface Kit</li><li>- Grayscale Kit (256 levels, 8-bit Output to PC)</li><li>- Mars Controller 4</li><li>- Mars Mini Controller 2</li><li>- Workstation</li><li>- Footswitch</li></ul>