



# Microfilm Scanning of 100-Year-Old Historical Content

## A leading content aggregator

The client is a leading provider of learning and research solutions for the academic, professional, and library markets worldwide.

## Project / Service Category

Scanning Services

## Services provided

- Microfilm Scanning
- Image Enhancement
- OCR services

## Background

The client wanted to digitize their huge collection of historical content available on 16 mm and 35 mm microfilm rolls into high-resolution TIFF images and publish its digital edition for permitting easy search, retrieval, display, and print.

## Challenges

- The microfilms had varying contrast levels
- Scanning at high resolution
- Presence of numerous splices in each microfilm roll
- Films deteriorated by Vinegar Syndrome due to age, storage, and usage needed extensive manual intervention

## Solution

We deployed the best in class NextScan microfilm scanners for this digitization project, as it is the best-suited equipment for scanning microfilms with varying levels of physical condition and contrast. The scanner has the capability to scan high volumes of microfilm and is sensitive to microfilm rolls that show signs of aging. Approximately 100,000+ rolls of 16 mm and 35 mm microfilm were scanned in grayscale at 400 DPI resolution in uncompressed tiff format. The high resolution produced legible text and allowed the Optical Character Recognition (OCR) to produce High-level text accuracy. Cold storage / acid scavenger / dry treatment methods were performed to treat the vinegar syndrome affected reels. Additionally, film duplication services were also performed.

## Benefits

- The client realized 70% cost saving through our offshore scanning model
- HTC delivered higher quality scanned output with its inbuilt image enhancement process through Contrast / Brightness adjustment, Gamma Correction
- Our scalable and flexible operations enabled efficient management of volume fluctuations



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- Over 27 years of IT and BPO experience in providing cost effective and innovative services across domains for a wide spectrum of global 2000 customers
- Quality and information security processes compliant to SEI CMM Level 5, ISO 9001, ISO 27001 and PCI DSS standards
- Global presence, large delivery centers, talented professionals, capabilities across multiple technologies, platforms and domains

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