

# PowerScribe® for Radiology

Instant, Speech-Driven Clinical Documentation  
for Radiology

## PowerScribe® for Radiology– For Unprecedented Speech Recognition Accuracy

### CHALLENGE:

How can I provide the highest level of service to both patients and referring physicians, while increasing radiologist productivity and reducing transcription costs?

### SOLUTION:

PowerScribe for Radiology is the #1 choice of radiologists nationwide, for fast, efficient, highly accurate speech-driven clinical documentation.

PowerScribe for Radiology is a front-end speech recognition solution designed for easy incorporation into existing radiology workflow in teaching hospitals, community medical centers, and freestanding imaging centers. PowerScribe for Radiology has numerous features for maximum accuracy and efficiency including seamless integration with nearly 50 RIS/PACS products.

Using PowerScribe for Radiology, radiologists can turn around reports within seconds. Since radiologists can sign off on a completed report while viewing the original images, the need to double-check reports returning from transcription is eliminated. As a result, PowerScribe for Radiology not only boosts radiologist efficiency, it also improves referring physician satisfaction, enhances patient care and yields significant cost savings.

PowerScribe for Radiology's web architecture fits today's "on demand" requirements, providing remote connectivity from multiple locations or home for dictation, review and sign-off. Radiologists connect to a web server via a rich client to

### Key Benefits

- Reduces or eliminates transcription costs
- Payback in as little as 6 months
- Increases radiologist productivity
- Eliminates phone consults
- Improves service to referring physicians
- Increases referring physician satisfaction and number of referrals
- Enables paperless workflow
- Improves documentation quality
- Reduces turnaround time from hours to minutes

### Key Features

- Rich client, web-based server technologies
- Industry leading speech recognition technology
- Seamless PACS/RIS integration (optional)
- Embedded Vocada Veriphy workflow for Critical Test Result Management (optional)
- Customizeable text auto formatting
- Hands-free dictation
- Flexible documentation workflow for:
  - Resident-Attending, Fellows
  - Nighthawks
  - Circular workflow between authors & editors
- User friendly administrative functions
- Customizable report coding for ICD-9, BI-RADS, and other custom codes
- PowerMic® compatible with customizable buttons
- Vocabulary management by user

access their unique user profiles and speech files. The user interface is clear and easy-to-use, presenting all essential information in understandable windows and tabs.

### Industry Leading Speech Engine

PowerScribe for Radiology is powered by the Dragon® speech recognition engine, the healthcare industry's leading speech recognition solution from Nuance. Dictaphone has optimized Dragon's out-of-the-box accuracy by adding special application-level enhancements including a proprietary radiology language model and customizable text-post-processing capabilities to streamline document completion, reducing the need for radiologists to dictate formatting instructions.

PowerScribe for Radiology auto-formats reports, with section headers such as "Impressions" or "Findings" which can be formatted automatically, according to your organization's standards. Other auto-formatting features include dates and times, numbered lists, acronyms, and other words and phrases.

### Supports All Dictation Styles

PowerScribe for Radiology offers three dictation styles to accommodate physician preferences:

- **Real-Time Speech Recognition with Self-Editing.** "Once and done" real-time speech recognition allows radiologists to view recognized text during or at the end of dictation. They can edit it using keyboard, mouse, and standard word processor tools, or with voice editing—voice commands and microphone controls to correct and navigate the document. Radiologists also have the option of hands-free dictation—using a USB headset and foot pedal. The software immediately recognizes spoken word changes and allows for additions anywhere in the report.

- **Speech Recognition with Delegated Editing.**

Radiologists do not edit their own reports; instead, their speech-recognized draft report is forwarded to a transcriptionist/ editor for correcting and formatting. Transcription time and costs are reduced as reports no longer have to be keyboarded from start to finish. Recorded dictation and recognized text are linked for "edit while listening" for greater accuracy and efficiency.

- **Traditional Transcription.** The dictation of locum tenens physicians is transcribed without speech-recognized draft reports and without physician training.

### Advanced Templates and Shortcuts Enhance Productivity

PowerScribe for Radiology's timesaving shortcuts include voice macros, "PowerNormals" and smart templates. Users can even save recognized text on the fly as standard templates using their voice or a simple drag and drop procedure. Shortcuts and templates can be categorized, shared between users, and linked to specific procedure codes and modalities for maximum productivity.

Radiologists can invoke shortcuts and templates through voice commands and populate bracketed fields in templates through simple microphone commands and voice input without any keyboarding at all. Also, standard text blocks are fully voice editable, and additional dictation can be appended to standard text, for complete flexibility.

The combination of free-form speech recognition, plus the flexibility of standard text shortcuts and templates, turns radiologists into power dictators, significantly reducing dictation time, by eliminating the need to dictate frequently used phrases, normal results, or redundant data.

**"The PowerScribe system has paid for itself in under 13 months of operation, while delivering priceless benefits in terms of faster access to clinical information, better care, and significantly enhanced service to physicians."**

– **Richard J. Lichtenstein, MD**  
Department Chair Radiology  
Sarasota Memorial Healthcare System  
Sarasota FL

### Natural Workflow Designed for the Radiologist

PowerScribe offers a range of flexible workflow and completion options, including support for residents and “nighthawks” for sign-off, proxy by attending physicians, as well as the choice of individual report or batch electronic signature.

Flexible report distribution is yet another strength. PowerScribe for Radiology supports:

- ❑ Customized batch printing and faxing
- ❑ Real-time HL7 interfaces for immediate transmittal of reports to the RIS
- ❑ Over-the-phone report review for authorized physicians
- ❑ Multiple distribution methods for each physician

### Fits Your Workflow and Integrates with Your PACS/RIS

PowerScribe for Radiology offers superior integration into existing radiology workflow, from case selection to transcription to e-signature to results reporting.

Dictaphone has developed HL7 interfaces to the leading RIS vendors, which means all order information is delivered to PowerScribe for Radiology for presentation to the dictating radiologist. Completed reports are uploaded back to the RIS.

Through its PACS/RIS Extension Partner (PREP) Program, Dictaphone has worked with a wide range of leading RIS and PACS vendors to offer desktop integrations with PowerScribe. These integrations enable “application-to-application” communication for simultaneous login and accession number transmission. These integrations allow PowerScribe to coexist on the PACS workstation, and remain in the background during dictation, allowing the radiologist to focus on the images.

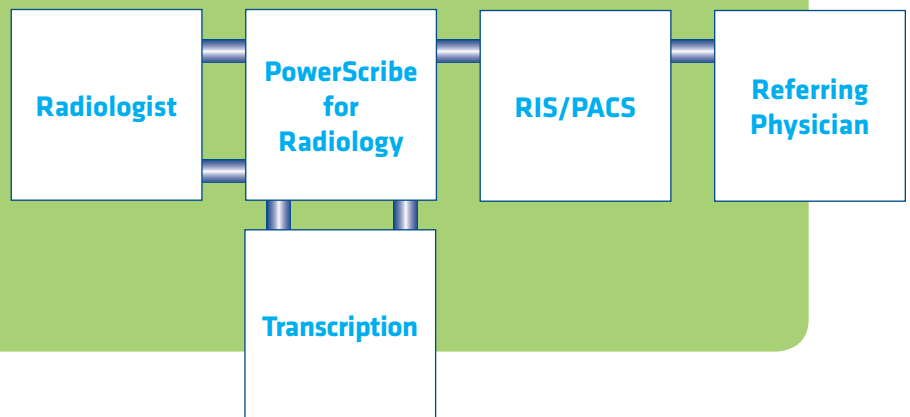
Desktop integrations are available with leading vendors such as MediTech, GE® Healthcare, FujiFilm™ Medical Systems, Cerner®, Mckesson®, Siemens® and Agfa®.

### World Class Professional Services

It’s critical to have a successful rollout of a speech recognition system. Take advantage of our experience in implementing 1000+ PowerScribe systems. We’re training thousands of radiologists and administrators on PowerScribe, integrated with all the major PACS and RIS systems. Our experience is unmatched in the industry.

#### PowerScribe for Radiology Workflow

PowerScribe for Radiology captures dictation and creates a draft, which is either self-edited and signed on screen by the Radiologist, or is sent to Transcription for editing and then back to the Radiologist for e-signature.



## Dictaphone Healthcare Solutions

- **Commissure RadPort™ for Radiology**—A secure, web-based decision support application for appropriate diagnostic image order entry that satisfies pre-certification requirements.
- **Commissure RadWhere™ for Radiology**—A data-driven, front-end structured speech recognition reporting application designed for multi-site workflow orchestration.
- **Commissure RadCube™ for Radiology**—A comprehensive, yet flexible, data warehouse for multidimensional business analysis and visualization.
- **Dragon® NaturallySpeaking® Medical**—A front-end real-time speech recognition program that works with virtually any Windows®-based EMR system for efficient report completion, and easy navigation and adoption of the EMR.
- **Enterprise Workstation®**—A front-end browser-based solution that offers physicians flexible input and editing options, to reduce report turnaround time and the costs associated with transcription.
- **Enterprise Express® Products**—Dictation, transcription and back-end speech recognition solutions that offer some of the most sophisticated technology and advanced editing capabilities. EXSpeech® is a key option, which recognizes physicians' dictation and routes it to a transcriptionist for final editing.
- **iChart® Managed Services**—A flexible ASP solution that integrates world-class speech assisted transcription services and advanced speech recognition technology to meet each organization's unique document completion needs.
- **PowerScribe® for Radiology**—A web-based, front-end speech recognition solution that can help radiology departments significantly reduce report turnaround time and lower transcription costs by as much as 75%-100% a year.
- **PowerScribe® for Pathology**—A front-end web-enabled workstation designed with special pathology-specific features for efficient hands-free reporting—from gross description through electronic signature.
- **Vocada Veriphy™**—A critical test results management solution that enhances patient care, increases physician productivity, improves risk management and automates compliance.

## Why More Radiologists Prefer PowerScribe for Radiology

More hospitals and imaging centers have selected PowerScribe for Radiology than any other speech recognition product, making it the #1 choice of radiologists, nationwide, with:

- 1,000+ hospitals and imaging centers
- 1 out of 3 radiologists
- Annual industry savings of \$200 million+
- Annual transcription cost reductions of up to 85%
- Potential reductions in length of stay.

## About Dictaphone

Dictaphone Healthcare Solutions is a division of Nuance Communications, the world's leading provider of speech and imaging solutions. Today, Dictaphone provides the most comprehensive family of speech-driven clinical documentation and communication solutions available anywhere. Our vision is to accelerate the adoption of EMR systems, helping providers maximize the return on their technology investments.

## Let Us Be Your Partner

Let us help you achieve your vision of computer-based clinical documentation and communication created at the point of care.

To learn more about how Dictaphone can help you improve financial performance, raise the quality of care, and increase clinician satisfaction, please contact us at **888-350-4836** or visit [www.nuance.com/dictaphone](http://www.nuance.com/dictaphone).

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