



medVocal®

Vocal reporting solutions

medVocal® is the innovative vocal reporting solution for the new web and mobile technologies. medVocal®, in fact, integrates voice recognition technology with the most modern ways to use web content, from the high-resource environments for personal computers, such as Flex and Silverlight, to mobile technologies, such as iPhone and iPad. This solution makes use of cloud-based architecture that provides the voice recognition technology as an issued service.



Web front end

The user interface has been designed and built on evolved web technologies in different environments, such as Flex and Silverlight, to improve the utilisation features and integration with management systems (RIS, HIS, etc.).

Cloud architecture

The new cloud-based architecture implements the voice recognition functions by decentralising the service using a public cloud-network infrastructure on an outside or private platform hosted inside the same hospital.

Voice streaming

Streaming techniques, typically employed in the use of audio and video content, are used to enable the remote use of a voice recognition engine, thus making it possible to recognise speech in real time on tablet devices. Thanks to streaming technology, the device communicates with a recognition server that receives the audio and returns the recognised text in real time.

- **medVocal®-FLEX** is a native component for the Flash/Flex environment.
- **medVocal®-SILVERLIGHT** is a native component for the Microsoft Silverlight environment.
- **medVocal®-Mobile** is an app for iOS that offers dictation on mobile devices.
- **medVocal®-OCX** is an ActiveX control that seamlessly integrates with third-party IT systems.
- **medVocal®-DI** is the application for even non-integrated use, with the possibility to configure a printed report.
- **medVocal®-SDK** is a library that provides integration of voice recognition within its proprietary reporting masks, besides enabling voice commands.





Main functions

- **Managing in on-line mode:** medVocal® supports the direct mode for the creation of documents.
- **Managing in deferred mode:** the assistant corrects and formats the report dictated by the physician.
- **Formatting of text:** the report can be easily formatted by applying the character and paragraph styles. Formatting can be done with voice commands.
- **System bars:** include both the audio and volume commands and the system status messages.
- **Voice selection:** the text to be deleted or corrected can be selected with voice commands.
- **Voice commands:** more than 20 customisable voice commands are available.
- **High accuracy** obtained with minimum corrections: automatic punctuation and management of hesitation or background noise, allowing users to get the highest accuracy without having to change their style of dictation.
- **Continuous adaptation:** two minutes of voice training are enough to optimally set up the system. Continuous adaptation of the system makes it possible to constantly improve the voice profile of each user.
- **Wide range of input devices:** medVocal® supports several audio devices, such as the Philips SpeechMike, Olympus DR and Plantronics Savi microphones.
- **Network support:** due to the client-server architecture with centralised medVocal® profiles, users can use all connected stations without distinction. The dictionaries are shared and administered in a centralised manner.
- **Advanced correction tools:** the correction process is made easier thanks to the synchronised playback of audio and text and to the alternatives proposed by the system.
- **Advanced functions:** medVocal® offers advanced tools such as predefined reports and voice commands to control the application.
- **Stand-alone mode:** with the stand-alone or mobile mode, every feature can be used even when working outside the network. Ideal for netbooks and notebooks.
- **Contextual help menu:** the command "what can I say" is available at any time during dictation.
- **Pre-adaptation of the user profile:** every user profile can be pre-adapted by processing pre-existing reports in electronic format.
- **System image:** system log for diagnosis and remote maintenance.
- **Centralised administration:** every configuration and system administration tool, including statistics, is centralised and accessible from each workstation of the system.
- **Audio report saving.**
- **Control panel:** volume, rewind speed, enabling options, automatic punctuation.
- **Predefined reports** organised by category.
- **Drag&Drop support.**
- **New Look&Feel.**
- The **Clinical Imaging and Pathological Anatomy Dictionaries** are available.

