



# Scanmarker Reader

## Assessor Recommendations Guide



**DYNAMIC HIGHLIGHTING**  
Highlights words while reading



**READ ALOUD**  
Listen to the text live while scanning



**TRANSLATE**  
Scan & translate over 100+ languages

# Introduction

The **Scanmarker Reader** is a device designed to assist students with various disabilities to improve oral language, word recognition, decoding, phonological processing, and reading comprehension skills.

The Scanmarker Reader achieves these functionalities through optical character recognition (OCR) technology. For example:

- **Text Scanning:** The device uses an integrated optical sensor to scan printed text from a book, document, or other source.
- **OCR Processing:** The scanned text is processed using OCR software, which recognizes and converts the text into digital format.
- **Text-to-Speech:** The converted text can be read aloud using built-in text-to-speech functionality or exported to text-to-speech software on a computer or mobile device.
- **Digital Storage:** The digitised text can be saved or exported for further use, including integration with assistive technology and accessibility software.
- **Language Translation (100 languages) :** Scanmarker Reader models also offer language translation features, allowing users to translate scanned text into their preferred language. Welsh, Irish and Scottish languages.

# Key Features

**Scanmarker Reader** can be a helpful tool for neurodiverse students who face challenges with research and reading, note taking, and exam revision. Here are some of the features and benefits of Scanmarker Reader:

## Key Features

- Dictionary(with read aloud)
- Adjustable reading speed
- Can Left and right handed
- Customisation - Line spacing, letter spacing and Word spacing
- Dyslexia friendly font - OpenDyslexic and Comic Sans
- Background colours changeable for students who benefit from coloured paper, overlays or high contrast.
- Text colour changeable
- Highlighting as it goes
- Windows offline - Exam use
- Highlights

# Conditions supported by the Scanmarker Reader.

## Specific Learning Differences (SpLD's) and Attention Deficit Conditions

- Dyslexia
- Dyspraxia
- ADHD
- ADD
- Language and processing disorders

Students with learning differences, such as reading or processing disorders, use the Scanmarker Reader to convert printed materials into digital text, which can be customised for easier reading and comprehension.

Students with attention disorders, such as ADHD or ADD, can experience information overload. They can use the Scanmarker Reader web applications summary tool, which can be used to break down dense academic reading material. This makes it easier for these students to focus on the key information.

Once information is converted into a format that is easier to access, this can help students overcome issues with processing speed, working memory and comprehension.

Using the Scanmarker Reader can help students overcome some of the barriers they face in academic settings, such as reading difficulties, information overload, memory issues, or language barriers.

### Research and Reading

- The **Scanmarker Reader's** inbuilt OCR (Optical Character Recognition) features can convert any hardcopy materials into digital accessible text.
- Once information is converted digitally into the **Scanmarker Reader Web Application**, the student can utilise the text to speech functionality to access the text.
- Text converted into speech is often easier to process for those who experience reading and comprehension difficulties.
- The '**Read Selected**' feature within the **Scanmarker Reader Web Application** allows students to scan a selected text and have it read aloud in real-time.
- This can help improve oral language skills, word recognition, and reading

comprehension.

- Students can also adjust the font (OpenDyslexic and Comic Sans) speed, screen background colour, and voice of the reading to suit their preferences
- The 'Read Live' feature within the **Scanmarker Reader Web Application** allows students to scan any text and have it appear on their device screen instantly.
- This can help improve decoding skills, phonological processing, and automaticity/fluency. Students can also customise the text spacing, font, and background to enhance their visual processing.
- The '**Dictionary Feature**' within the **Scanmarker Reader Web Application** allows students to scan a word and get its definition, pronunciation, and synonyms. This can help improve vocabulary knowledge and spelling skills.
- The '**Translation Feature**' within the **Scanmarker Reader Web Application** allows students to scan a text and get its translation in more than 100 languages. This can help students convert text into another language, this is particularly useful for those studying a foreign language.
- The **Scanmarker Reader** can be used to scan text 'left to right' or 'right to left'. This makes it much easier for students who experience dexterity and coordination issues, or for those who are left handed.
- The **Scanmarker Reader Web Application** includes a summary tool, which can be used to break down dense academic reading material.
- This can help support students who experience issues with comprehension and processing large amounts of information.

### **Writing and Reviewing Academic Work**

- The **Scanmarker Reader** can convert text digitally into all text fields (Word, Google Docs etc). Students can use this functionality to scan research material directly into digital documents to help support the composition process.

### **Note-taking in Lectures and Seminars**

- The **Scanmarker Reader** can be used to digitise lecture materials into accessible text. This text can then be edited or expanded on to be developed into reliable learning resources.

### **Practical Sessions, Placements, Field Trips and Additional Course Activities**

- The **Scanmarker Reader** can be used to digitise text based materials into accessible text. This information can then be edited or expanded on to be

developed into reliable learning resources.

### **Examinations and Timed Assessments**

- The **Scanmarker Reader Web Application** includes a summary tool, which can be used to break down dense academic reading material.
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### **Social Interaction and Communication**

- The **Scanmarker Reader** can convert text digitally into all text fields (PowerPoint and Google Slides). Students can use this functionality to scan information directly into digital documents to help support the presentation process.

## Autistic Spectrum Condition / Asperger's Syndrome

Students who are diagnosed with Autistic Spectrum Condition / Asperger's Syndrome, often experience language and communication challenges. The Scanmarker Reader supports language development by providing a tool for practising and interacting with written language.

By converting scanned text into spoken words, the Scanmarker Reader caters to different learning styles and allows students with Autism / Asperger's to absorb information through auditory channels.

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- Once information is converted digitally into the **Scanmarker Reader Web Application**, the student can utilise the text to speech functionality to access the text.
- Text converted into speech is often easier to process for those who experience reading and comprehension difficulties.
- Scanmarker's text-to-speech functionality can read aloud scanned printed text, facilitating comprehension, reducing reading-related stress, and promoting independent learning.
  
- The **'Read Selected'** feature within the **Scanmarker Reader Web Application** allows students to scan a selected text and have it read aloud in real-time.
- This can help improve oral language skills, word recognition, and reading comprehension.
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languages. This can help students convert text into another language, this is particularly useful for those studying a foreign language.

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## Mental Health

Students with mental health conditions often struggle with cognitive overload, making it difficult to focus and comprehend text.

The Scanmarker Reader reduces the cognitive load by converting printed text into a digital format, which is easier to process and retain to memory.

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## Physical

Students with motor disabilities or fine motor skill impairments find it challenging to physically copy text from printed materials.

The Scanmarker Reader minimises the need for extensive manual writing and typing, reducing physical strain on students with physical conditions that affect fine motor skills or mobility.

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- The **'Translation Feature'** within the **Scanmarker Reader Web Application** allows students to scan a text and get its translation in more than 100 languages. This can help students convert text into another language, this is particularly useful for those studying a foreign language.

- The **Scanmarker Reader** accommodates different scanning directions, 'left to right' or 'right to left,' facilitating use for students with coordination difficulties or left-handed individuals.
- The **Scanmarker Reader Web Application** includes a summary tool, which can be used to break down dense academic reading material.
- This can help support students who experience issues with comprehension and processing large amounts of information.

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## Unseen

For example Chronic Fatigue Syndrome, Multiple Sclerosis, or any other unseen condition that affects executive function and processing.

By converting text into speech, the Scanmarker Reader helps reduce the cognitive load for students with unseen conditions. When information is available in an auditory format, this can help improve comprehension and memory formation.

### Research and Reading

- The **Scanmarker Reader's** OCR technology transforms printed material into digital text, making it accessible for students with processing challenges. The text-to-speech feature in the Scanmarker Reader Web Application allows students to listen to the text, aiding those with reading and comprehension difficulties.
- The **'Read Selected'** option in the **Scanmarker Reader Web Application** enables students to hear scanned text read aloud instantly, bolstering oral language, recognition, and comprehension.
- Customizable settings like font (including OpenDyslexic and Comic Sans), reading speed, background colour, and voice cater to individual preferences and needs.
- With the **'Read Live'** feature, students can scan text and see it displayed immediately on their device, supporting the development of decoding, phonological awareness, and reading fluency.
- Options to adjust text spacing, font, and background colour are available to optimise visual processing.
- The **'Dictionary Feature'** provides definitions, pronunciations, and synonyms for scanned words, fostering vocabulary acquisition and spelling proficiency.
- The **'Translation Feature'** translates scanned text into over 100 languages, invaluable for foreign language learners or those requiring text in another language.
- The **Scanmarker Reader** accommodates different scanning directions, 'left to right' or 'right to left,' facilitating use for students with coordination difficulties or left-handed individuals.
- The summarization tool within the Scanmarker Reader Web Application breaks down complex reading materials, supporting students who struggle with large

volumes of information.

### **Writing and Reviewing Academic Work**

- The **Scanmarker Reader** can convert text digitally into all text fields (Word, Google Docs etc). Students can use this functionality to scan research material directly into digital documents to help support the composition process.

### **Note-taking in Lectures and Seminars**

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- This can help support students during the revision process, particularly those who experience issues with comprehension and processing large amounts of information.
- The **Scanmarker Reader** can convert text digitally into all text fields (Word, Google Docs etc). Students can use this functionality to scan information directly into digital documents to help support the revision process.

### **Social Interaction and Communication**

- The **Scanmarker Reader** can convert text digitally into all text fields (PowerPoint and Google Slides). Students can use this functionality to scan information directly into digital documents to help support the presentation process.

## Visual Impairments

The Scanmarker Reader assists students with visual impairments by converting printed text into digital text, which can then be read aloud using text-to-speech technology.

This feature can significantly enhance access to printed materials for those who are visually impaired.

### Research and Reading

- The **Scanmarker Reader's** integrated OCR (Optical Character Recognition) technology enables the transformation of printed materials into digitally accessible text for students with visual impairments. Once converted, students can access the text through the Scanmarker Reader Web Application's text-to-speech feature, making it easier for those who find visual text challenging.
- The '**Read Selected**' function in the **Scanmarker Reader Web Application** empowers students to scan chosen text segments and listen to them read aloud instantly.
- This feature aids in enhancing spoken language abilities, word recognition, and comprehension. Students have the option to personalise the reading voice, speed, and screen background colour to accommodate their auditory preferences.
- The '**Read Live**' option in the **Scanmarker Reader Web Application** permits students to scan text and see it displayed on their device screen immediately.
- This assists in bolstering decoding abilities, phonemic awareness, and reading fluency. Customization options for text spacing, font, and background are available to optimise the reading experience for those with residual vision.
- The 'Dictionary Feature' in the **Scanmarker Reader Web Application** allows students to scan a word to receive its definition, pronunciation, and synonyms, enhancing vocabulary and spelling proficiency.
- The '**Translation Feature**' within the **Scanmarker Reader Web Application** allows students to scan a text and get its translation in more than 100 languages. This can help students convert text into another language, this is particularly useful for those studying a foreign language.
- The **Scanmarker Reader** accommodates both 'left to right' and 'right to left' text scanning, catering to students with varying levels of dexterity and coordination, including left-handed individuals.

- The **Scanmarker Reader Web Application** The Scanmarker Reader Web Application includes summary tool assists in breaking down complex academic content, supporting students with comprehension difficulties or those who struggle with processing extensive information.

### **Writing and Reviewing Academic Work**

- The **Scanmarker Reader** is capable of digitising text into various text fields such as Word and Google Docs. This feature enables students with visual impairments to scan academic materials directly into digital formats, facilitating their writing and research activities.

### **Note-taking in Lectures and Seminars**

- The **Scanmarker Reader** enables the conversion of lecture materials into accessible text formats suitable for students with visual impairments.
- This text becomes a flexible foundation that students can edit or elaborate upon, creating customised and reliable study aids that align with their educational requirements.

### **Practical Sessions, Placements, Field Trips and Additional Course Activities**

- The **Scanmarker Reader** can digitise text-based materials into accessible text formats. This enables students with visual impairments to edit or enhance the information, creating reliable and personalised learning resources.

### **Examinations and Timed Assessments**

- The **Scanmarker Reader Web Application's** summary tool can simplify complex academic texts. This is especially beneficial for students with visual impairments who face challenges with comprehension and managing large volumes of information during their study sessions.
- Additionally, the **Scanmarker Reader's** ability to convert text into various digital formats (such as Word and Google Docs) supports students in seamlessly integrating scanned information into their revision materials.

### **Social Interaction and Communication**

- The **Scanmarker Reader's** functionality extends to converting text into presentation-friendly formats like PowerPoint and Google Slides. This assists students with visual impairments in preparing digital content for presentations, enhancing their communication and social engagement.