



Digital Transformation and Inclusion

For Schools, Colleges, Universities, Libraries & Offices



Listen. Translate. Digitize. Audio'tize™

PRODUCT CATALOGUE

Trestle Labs Pvt Ltd.

ABOUT THE COMPANY

Trestle Labs is digitally transforming schools, colleges, universities, libraries and offices with its patented AI-powered technology products that offer cutting-edge digitization, translation and audio'tization services for printed as well as handwritten documents across 60 global languages. Trestle Labs' products also contribute to the social impact mission of making institutions inclusive for people with print disabilities like blindness, low-vision, dyslexia, and for people with illiterate or regional language background.

OUR PRODUCTS

1. KIBO XS DEVICE (HARDWARE)

Kibo XS is a portable, foldable, lightweight, table-lamp-like scanning device with camera-mounted-on-top and 3-toggle LED fill light. It connects seamlessly to any PC, Computer or Laptop via USB and works with web software to listen, translate, digitize, audio'tize and edit printed and handwritten documents.

Product Specifications

Dimensions	7.1 cm x 7.3 cm x 30.8 cms
Weight	335g
Shot size	A4 and less than A4
Scanning Speed	Less than 1 second for 1 page
Camera	5MP, Fixed focus CMOS sensor
Interface	USB 2.0
LED fill light	Three level LED fill light



2. KIBO XS WEB SOFTWARE

Hosted on <https://kibo.trestlelabs.com> to scan printed/handwritten hardcopy documents for real-time listening, digitization, translation & audio'tization.

3. KIBO DESK WEB SOFTWARE

Hosted on <https://kibodesk.trestlelabs.com> to upload printed/handwritten softcopy images/scanned PDFs for real-time listening, digitization, translation & audio'tization.

4. KIBO 360 WEB SOFTWARE

Hosted on <https://kibo360.trestlelabs.com> to type text, scan printed/handwritten hardcopy documents or upload image/PDF for real-time listening, digitization, translation & audio'tization.

SALIENT FEATURES OF KIBO XS SOFTWARE, KIBO DESK SOFTWARE, KIBO 360 SOFTWARE

- **Listen** printed and handwritten documents across 60 Global languages
- **Translate** printed and handwritten documents across 100+ Global languages
- **Digitize** to Editable Unicode formats – DOC, DOCX, TXT as well as scanned PDF
- **Audio'tize** to human-like natural-sounding MP3 audio file / audiobook
- **Edit** digitized text output online for on-the-go real-time editing
- **Multi-device content access** with Kibo Cloud storage
- **Low-vision accessibility tools** – Color inversion, Increase/decrease font size

TRIPLE BENEFITS OF KIBO

1. Digital Transformation

Listen	Listen printed and handwritten documents in audio in real-time across 60 global languages
Translate	Translate printed and handwritten documents across 100+ global languages
Digitize	Digitize printed and handwritten documents to editable, Unicode formats – DOC, DOCX, TXT
Audio'tize	Audio'tize documents to human-like natural sounding MP3 audio file / audiobook
E-library	Create e-book / audiobook library with Kibo Cloud Storage for anytime, anywhere access

2. Digital Inclusion and Accessibility

Kibo offers Digital Inclusion and Accessibility for:

1. Persons with Blindness, Low-vision and other print-disabilities like Dyslexia
2. People from Regional Language backgrounds and Second Language learners
3. People from Rural and Illiterate communities

Under the following:

National Education Policy 2020 (NEP) – Page 7 (Link)	The latest provision “Barrier-free access to education for all children with disability” focuses majorly on providing barrier-free education to children with disability by providing assistive devices, appropriate technology-based tools and language-appropriate teaching-learning materials.
University Grants Commission (UGC) – Page 55 (Link)	Under Comprehensive Accessibility Guidelines and Standards for Higher Education Institutions and Universities’ Provision 8.3.2 Library Services for the persons with visual disabilities, libraries need to provide scanners, converting documents via OCR reader and digital libraries
National Assessment and Accreditation Council (NAAC) – Page 39 (Link)	Under Standard Operating Procedure (SOP) For Data Validation and Verification of Affiliated UG Colleges for HEIs’ Provision 7.1.7, The Institution should have Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software and mechanized equipment.
CBSE – Page 7 (Link)	Ensure availability of study material for the disabled and talking textbooks, reading machines and computers with speech software

3. SMART LANGUAGE LEARNING

Language Learning is essential for:

1. Early-grade learners
2. Employment Readiness
3. Language tests (eg. IELTS and TOEFL)
4. Adult Literacy and Back-to-education learners

Kibo's SMART Language Learning offers methodical approach to enhance the Speaking (S), Memorization (M), Articulation (A), Reading (R) and Thinking (T) skills, thereby delivering a SMART Language Learning experience for everyone.

IMPLEMENTATION AREAS



Schools / Colleges



NGO / Blind School



Libraries



Offices



Language Lab



Blind Individuals

AREAS OF APPLICATIONS

Libraries	Inclusion at Central Libraries, State Libraries, Public Libraries, Rural Public Libraries, Libraries at Schools, Colleges and Universities, Private Libraries
Educational Institutions	Digitization, Translation and Audiobook-creation in Schools, Colleges and Universities and Government bodies
Language Labs	To improve the SMART skills for students (S=Speaking, M=Memory, A=Articulation, R=Reading and T=Thinking)
Offices	Digitization and Translation in Government and Private Offices

IMPACTING ORGANIZATIONS ACROSS INDIA AND THE WORLD

550+
Institutions

25
States in India

9
Countries

India, Ghana, Kenya, Singapore, US, UK, Nepal, Thailand and Brazil

USER TESTIMONIALS

"It helps read Printed and Handwritten text. It is also useful for reading confidential documents"

- Patil Pranjal Lahensingh, India's 1st Female visually-impaired IAS Officer (Sub-Divisional Magistrate)

"Kibo fills in the critical gap in providing inclusive education as specified in NEP2020. We recommend educational institutions to experience and evaluate its use in their institutions across libraries, classrooms and language labs – to create an inclusive learning environment for everyone."

- Prof. Amarendra Behera, Joint Director, CIET NCERT, New Delhi

LIST OF SUPPORTED LANGUAGES FOR DIGITIZATION

Afrikaans, Albanian, Arabic, Basque, Bengali, Bulgarian, Catalan, Chinese, Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, Galician, German, Greek, Gujarati, Haitian, Hebrew, Hindi, Hungarian, Icelandic, Indonesian, Italian, Japanese, Kannada, Khmer, Korean, Latvian, Lithuanian, Macedonian, Malay, Malayalam, Maltese, Marathi, Nepali, Norwegian, Nynorsk, Persian, Polish, Portuguese, Punjabi, Romanian, Russian, Sanskrit, Serbian, Slovak, Slovene, Spanish, Swahili, Swedish, Tamil, Telugu, Thai, Turkish, Ukrainian, Urdu, Vietnamese and Welsh.

LIST OF SUPPORTED LANGUAGES FOR TRANSLATION

Afrikaans, Albanian, Amharic, Arabic, Armenian, Azerbaijani, Basque, Belarusian, Bengali, Bosnian, Bulgarian, Catalan, Cebuano, Chinese (Simplified), Chinese (Traditional), Corsican, Croatian, Czech, Danish, Dutch, English, Esperanto, Estonian, Finnish, French, Frisian, Galician, Georgian, German, Greek, Gujarati, Haitian Creole, Hausa, Hawaiian, Hebrew, Hindi, Hmong, Hungarian, Icelandic, Igbo, Indonesian, Irish, Italian, Japanese, Javanese, Kannada, Kazakh, Khmer, Kinyarwanda, Korean, Kurdish, Kyrgyz, Lao, Latin, Latvian, Lithuanian, Luxembourgish, Macedonian, Malagasy, Malay, Malayalam, Maltese, Maori, Marathi, Mongolian, Myanmar (Burmese), Nepali, Norwegian, Nyanja (Chichewa), Odia (Oriya), Pashto, Persian, Polish, Portuguese (Portugal, Brazil), Punjabi, Romanian, Russian, Samoan, Scots Gaelic, Serbian, Sesotho, Shona, Sindhi, Sinhala (Sinhalese), Slovak, Slovenian, Somali, Spanish, Sundanese, Swahili, Swedish, Tagalog (Filipino), Tajik, Tamil, Tatar, Telugu, Thai, Turkish, Turkmen, Ukrainian, Urdu, Uyghur, Uzbek, Vietnamese, Welsh, Xhosa, Yiddish, Yoruba and Zulu.

PRODUCTS

PRODUCTS	Kibo XS Kit	Kibo Inclusion Kit	Kibo 360 Kit
Description	Kibo XS device with Perpetual Kibo XS Web Software License	Kibo XS device with Perpetual Kibo XS Web Software License* + Kibo Desk Annual License with 60,000 credits**	Kibo XS device with Annual Kibo 360 Web Software License
Scan hardcopy documents	Yes	Yes	Yes
Upload PDFs/images	No	Yes	Yes
Type text online	No	No	Yes
Listen (in real-time)	Yes	Yes	Yes
Digitize (in editable formats)	Yes	Yes	Yes
Translate (across languages)	Yes	Yes	Yes
Audio'tize™ (to MP3)	Yes	Yes	Yes
Edit text online	Yes	Yes	Yes
Kibo Cloud storage	Limited (upto 100 documents)	Limited (upto 250 documents)	Unlimited
Credits	NA	Annual 60,000 Kibo Desk credits	Annual Unlimited
Shipping	Free shipping in India	Free shipping in India	Free shipping in India
Updates	No free updates	No free updates* + Limited free updates**	Automatic free updates
Kibo XS device Warranty (starting Invoice Date)	12 months	12 months	12 months



Trestle Labs™
Unlocking Aspirations