Rethinking Mathematics and STEM education for people with blindness.

Penrose 1

Agenda

- About us
- Background
- Demo
- Database

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Vision: Our dream is that barriers for blind people in **education**, **mobility**, **on the job and taking part in society** are removed.

Mission: **Facilitate the access to information** for blind people by developing **break-through innovations**.

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Awards

- Bavarian Government:
  Winner BayStart-Up Business Plan Competition

- German President Frank-Walter Steinmeier
  Initiative „Land of Ideas"

- European Commission: EIC Accelerator
  Horizon 2020 EIC Accelerator Project 968187 - Tactonom (2021)

- President & Prime Minister of Portugal

- Forbes Accessibility 100

Kofinanziert durch das Programm
„Horizon 2020" der Europäischen Union

Portuguese President
27.10.2022

Portuguese Prime Minister
02.11.2022

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Portfolio

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reader **flex**

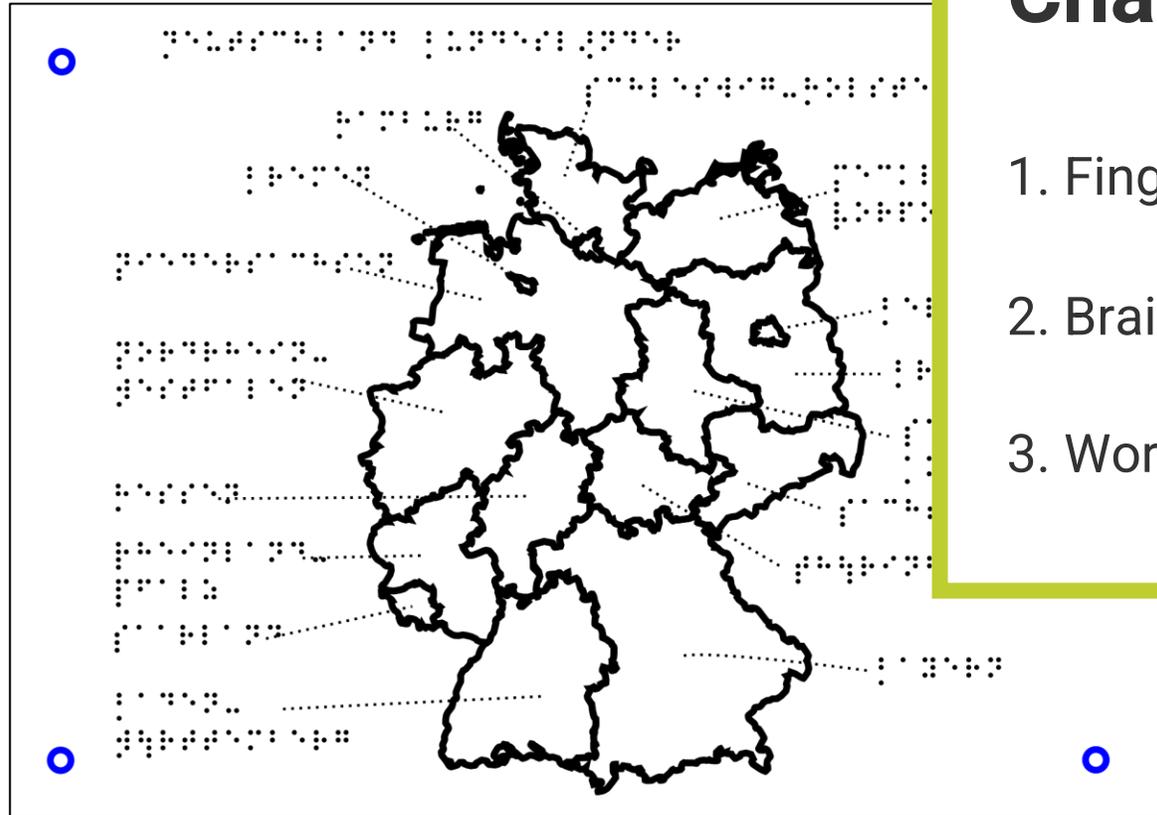**tactonom®**
magic math tools

tactonom®
magic braille numbers

tactonom®
transformer

tactonom®

Tactile Graphics today

Challenges:

1. Finger has to move away from to read Braille information.

2. Braille needs a lot of space. Informations are limited.

3. Working with graphics is hard.

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Requirements for Graphics

Context &
Overview

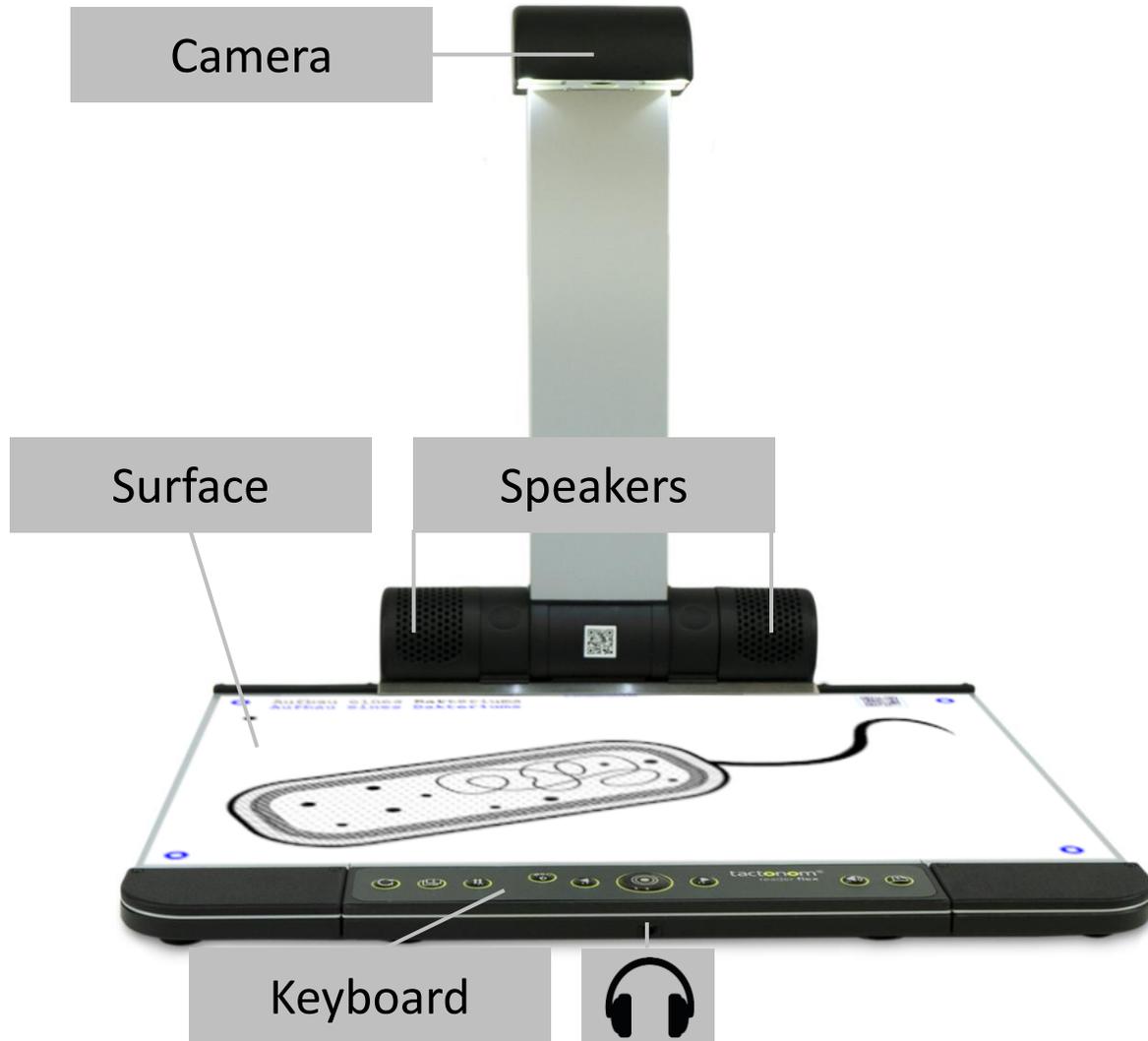Structure &
Entry

Pinpointed
information

Depth of
Informations

Intuitive &
easy to use

Fun

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New Opportunities

Education	Education	Tactile abilities	Content
• Education	• Pre-school	• Tactile sense	• Maths
• Mobility	• Kindergarten	• Tactile strategies	• Biology
• Job	• Primary school	• Spatial thinking	• Geography
• Participation	• Secondary school	• Abstraction	• Chemistry
• Leisure	• Vocational training	• Fun!!!	• & all subjects
	• University		• O&M
			• Picture books
			• Learning games
			• Info graphics
			• ...

Content

All grades, all subjects, all graphics

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Demo

tactonom® reader flex - The successful way to learn

Independent Learning

➢ Automatic download

➢ Acoustic overview

➢ Detailed explanation

➢ Navigation

➢ Explore Lines

Interactive Learning

➢ Interact

➢ Rehearse

Smart Learning Tools

➢ Tactonom

Magic Math Tools

➢ 3D Models

Intelligent Learning Apps

➢ Tactonom

Magic Numbers

Free Learning Content

➢ Thousands of FREE

audio-tactile graphics

➢ Add your own

➢ Clone and copy

➢ Automatic translation

➢ Online Designer

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Requirements met?

Context & Overview	**Structure & Entry**	**Pinpointed information**
Depth of Informations	**Intuitive & easy to use**	**Fun**

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Questions and Discussion

More information: www.tactonom.com
Feel free to contact us for an online presentation of Tactonom Reader Flex at: info@inventivio.com

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