



What's new for TVIs in Tiger Software Suite (TSS) Version 8

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CEO, ViewPlus Technologies



Learning Objectives

- Revise APH Tactile Graphic Image Library (TGIL) documents in TSS.
- Represent colors three different ways when importing a PDF into Tiger Designer.
- Apply pattern/texture fill three different ways with TSS.
- Create and use your own customized UEB Grade 2 contraction tables.



About ViewPlus/APH Partnership

- Founded in Corvallis, Oregon
- Built on Technology to create tactile graphics and braille, including Power-Dot Braille and TigerPlus graphics
- Partnered with APH to release PixBlaster
- PixBlaster brought to Market in Summ of 2020 and available on Quota



Teacher for the Visually Impaired (TVI) is a Tough Job

- TVI is expected to
 - Understand all options in assistive technology
 - Understand students needs
 - Understand how to create/transform technical content
 - Work fast under pressure
- ViewPlus opens the world of possibilities for blind students in science, technology, engineering, art, and math (STEAM) with groundbreaking braille AND tactile graphics solutions



Developer of **TIGER** Technology

Tactile **I**mage and **G**raphics **E**mbosse**R**



ViewPlus Technologies, Inc.

Founder Prof. John Gardner

In 1988 Professor John Gardner of Oregon State University had an eye operation which caused him to become totally blind. At that time he was Professor of Physics at Oregon State University, and he continued to teach. However, he could no longer evaluate the data from experiments. This difficulty prompted him to establish a university team to research methods for better accessibility to graphical information.

In 1996 his team developed a new high resolution embossing technology and patented it. He was unable to persuade any braille embosser manufacturer to license this technology. They told him that there was no need for blind people to access graphics. He did not believe them, so he and his wife founded ViewPlus to produce embossers. In year 2000 the first product reached the market, the ViewPlus Tiger Advantage embosser, built on a dot matrix printer.



John Gardner, founder of ViewPlus

Since 2000 ViewPlus has developed many braille printers, hybrid ink/braille printers, touchpads and a Suite of Software solutions developed to be scalable; running on the small portable personal braille printer to the larger production hybrid printers. Our choice in the technology used in our embossers enables us to be the industry-leading manufacturer of high-definition tactile graphics. All are intended to make information accessible.



AMERICAN
PRINTING
HOUSE

What's New for 2022

- Sources for great tactile graphics
- VP Rogue Embosser – “The Max has Gone Rogue”
- TSS 8



Poll Question #1

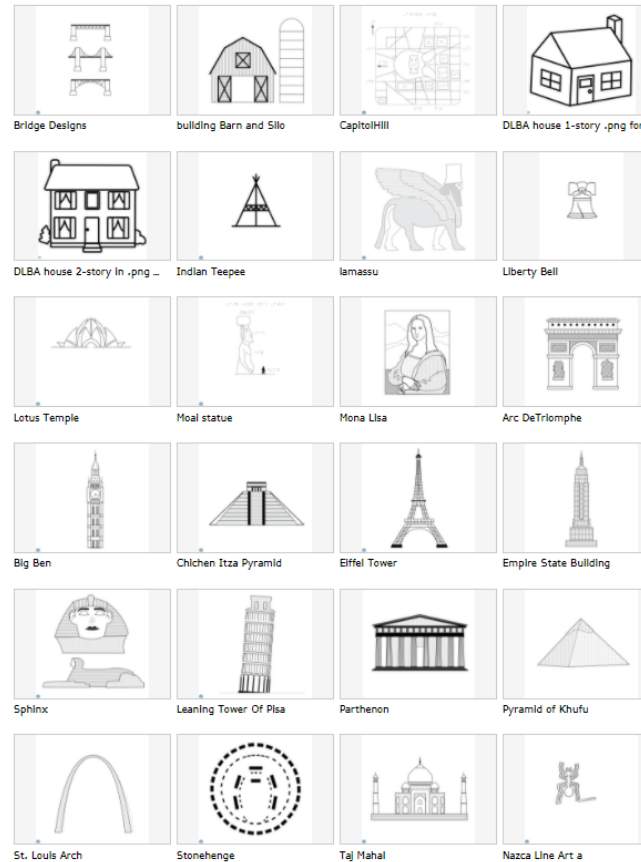
How often are you using and creating tactile graphics as opposed to creating and using braille?

- I mostly use and create tactile graphics
- I mostly use and create braille
- Equal mix of both tactile graphics and braille
- Not Applicable



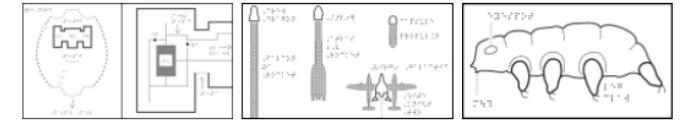
Sources for great tactile graphics

- San Francisco Lighthouse TTN - <https://lighthouse-sf.org/ttn/>
- APH TGIL - <https://imagelibrary.aph.org/>
- ViewPlus - <https://viewplus.com/braille-science-examples/>

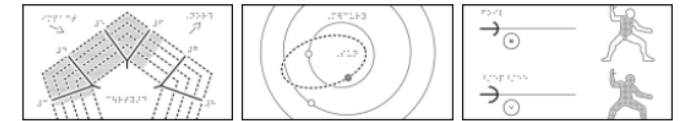


Submit Your Ideas And Touch The News

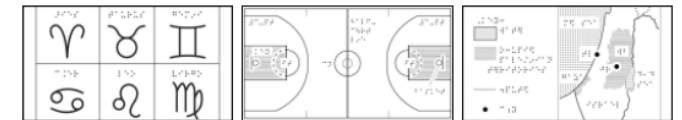
Graphics Gallery



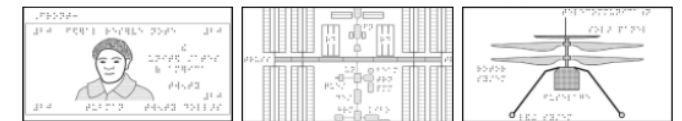
01/14/2022 11/19/2021 10/22/2021



10/08/2021 09/24/2021 08/27/2021



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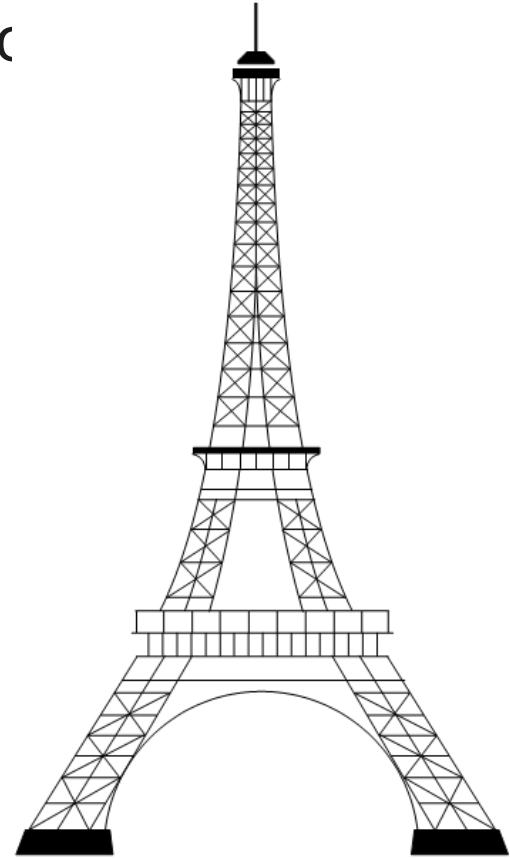


07/02/2021 06/18/2021 06/01/2021



VP Rogue Embosser

- Best of the best in tactile graphics from over 25 years experience
 - Highest quality mode has tight dot placement and smooth curves
 - Match VP Max graphics in less time
- Power of choice (at least for paper)
 - Cut sheet model with ink alignment for bigger is better graphics
 - Continuous feed model for larger print jobs
- Fully Loaded
 - 12 solenoids (hammers) for lightning fast single-side embossing
 - 120 CPS single-sided braille (equivalent to 240 CPS double-sided embosser)



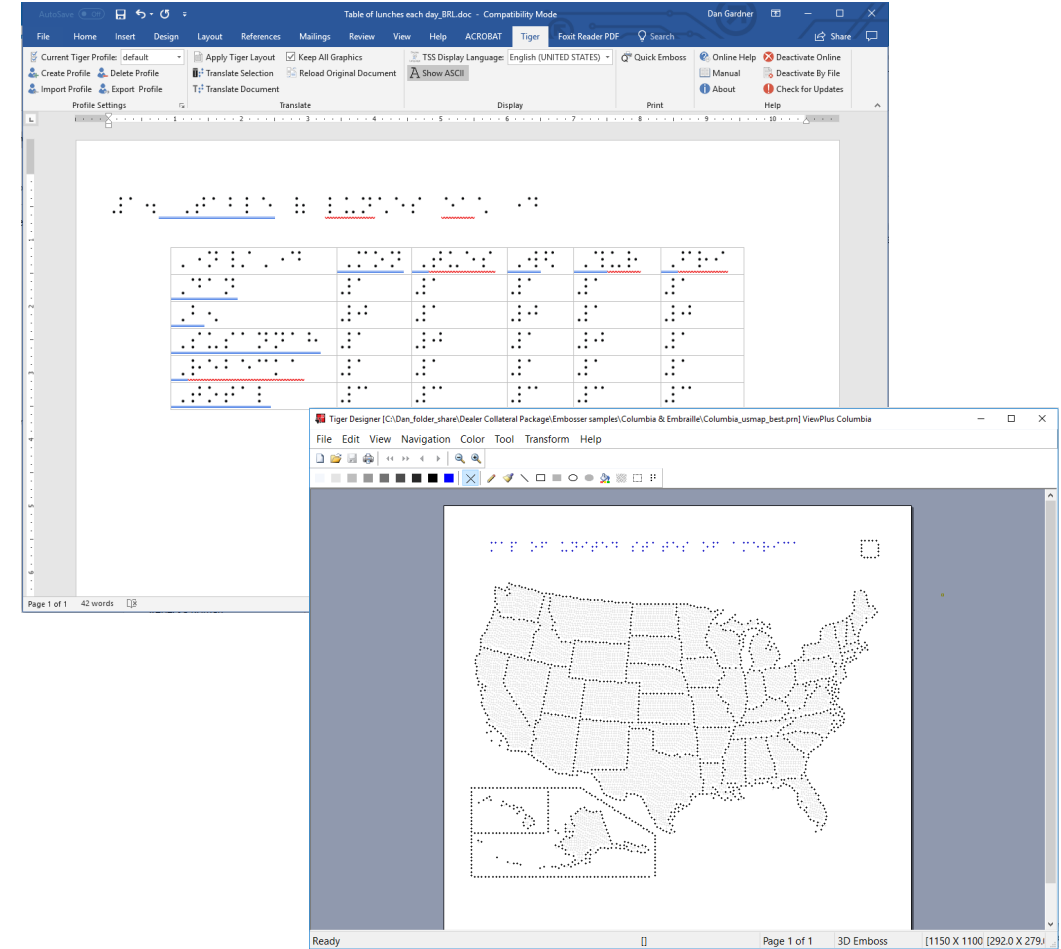
Experience Power-Dot™ Braille

- Strongest braille dot of any desktop braille printer
- Pleasing rounded dot shape
- Available on PixBlaster
- Still emboss high-resolution tactile graphics
- ViewPlus and Braillo collaboration to deliver excellent readability



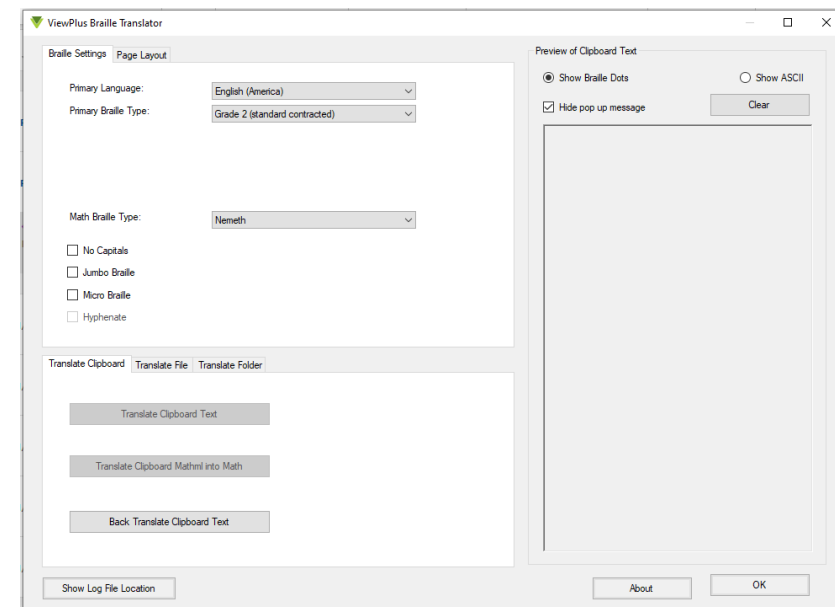
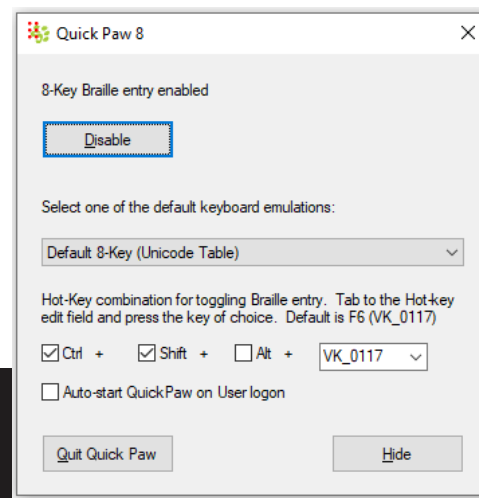
Tiger Software Suite

- “Tiger” Add-in to MS Office Word and Excel
 - Text to Braille conversion and document formatting
- Tiger Designer
 - Stand-alone program under Windows to edit emboss data before output on paper
 - Similar to mainstream paint program
 - Braille labels and tactile fill patterns can be created
 - File format PRN or TDSX
 - PRN file format is specific to each embosser model
 - Tiger Designer can convert PRN to TDSX format, which is generic to all ViewPlus embosser models



TSS 8 – Overview

- In case you missed TSS 7 – Quick Paw and stand-alone translator
- Tiger Designer improvements – PDF, images inputs, tactile fill, rotate, snap
- User Selectable Contraction tables
- Tactile fill with pattern editor
- Word and Excel



Poll Question #2

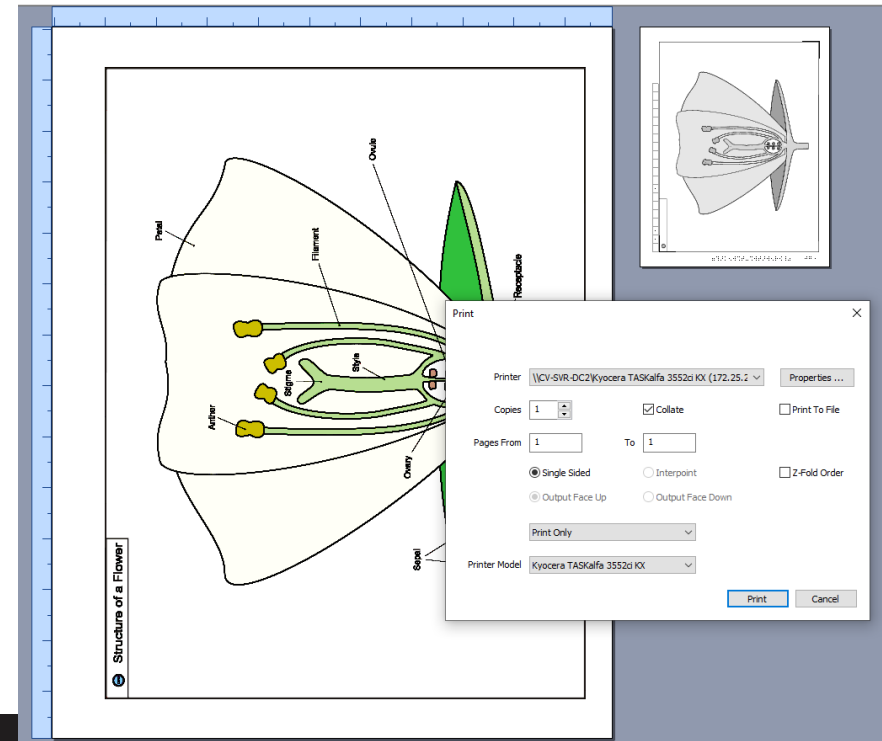
What tools does TSS include? Check all that apply.

- Braille Translation through Word add-in
- Braille Translation through Excel add-in
- Tiger Designer
- Quick Paw (direct braille entry)
- VP Stand-alone translator



TSS 8 – Tiger Designer

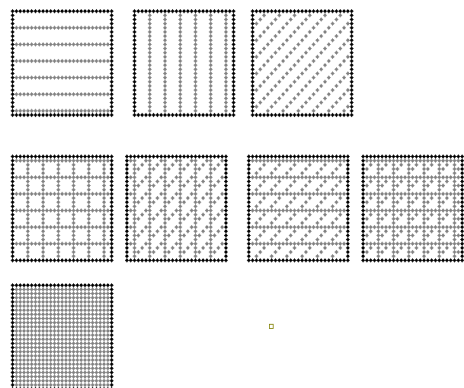
- Tiger Designer improvements – Import PDF, paste image size, rotate, snap, ink printing
- Tiger Designer demo
 - Simple shape with fill and braille
 - Import PDF TGIL with braille
 - Read braille
 - Align ink and tactile



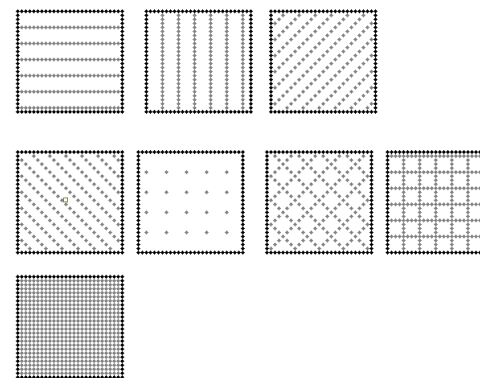
TSS 8 – Tactile Fill

- Tactile fill with pattern editor examples
 - RBY
 - Distinct
 - BANA textures
- Manually apply in Tiger Designer or auto-assign in printer driver

RBY – Blue, Yellow, Red,
Green, Orange, Purple, Brown,
Medium gray

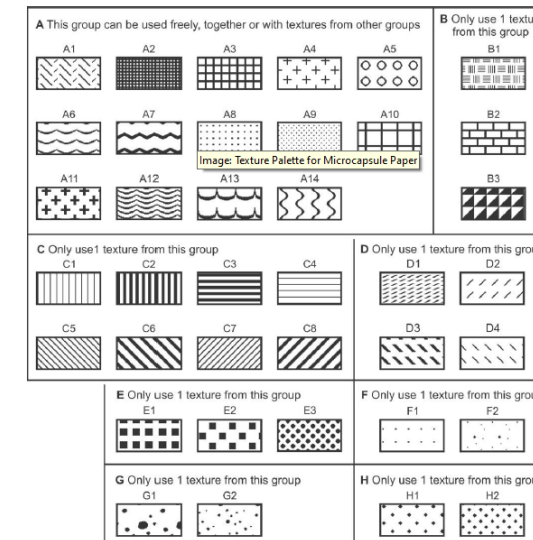


Distinct – Blue, Yellow, Red,
Green, Orange, Purple, Brown,
Medium gray



Appendix E Texture Palette for Microcapsule Paper

The textures are grouped by tactile similarity and only one texture from that group should be used in any given tactile graphic.



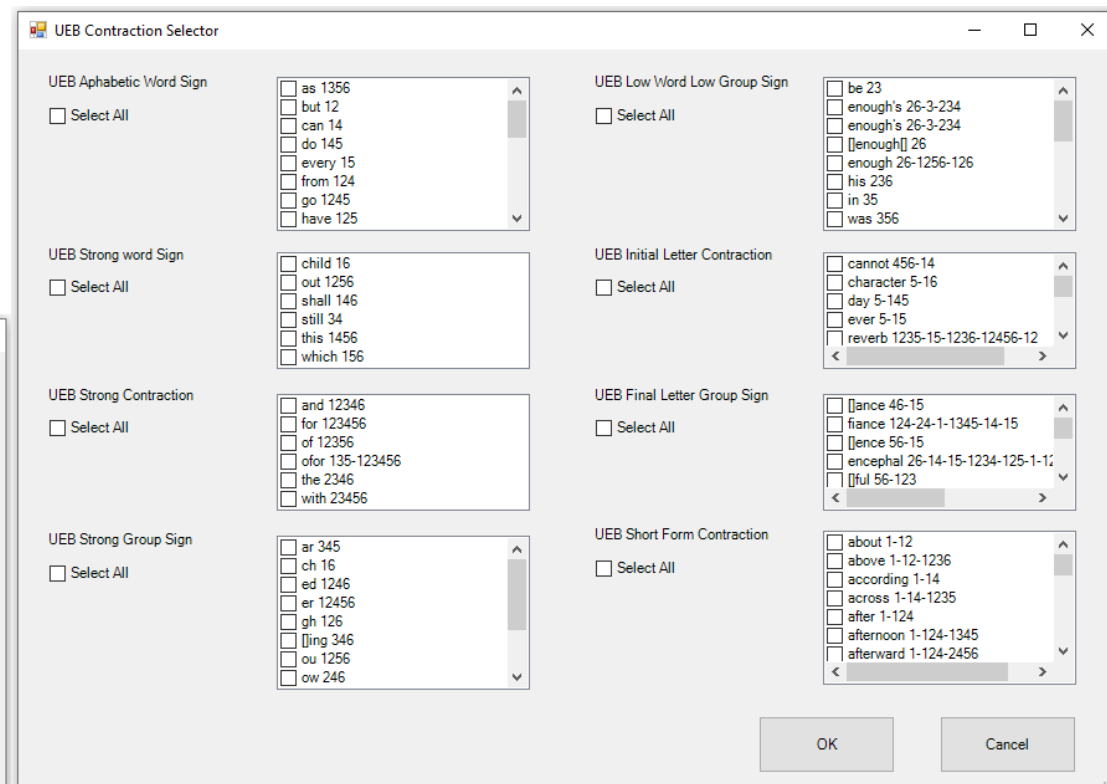
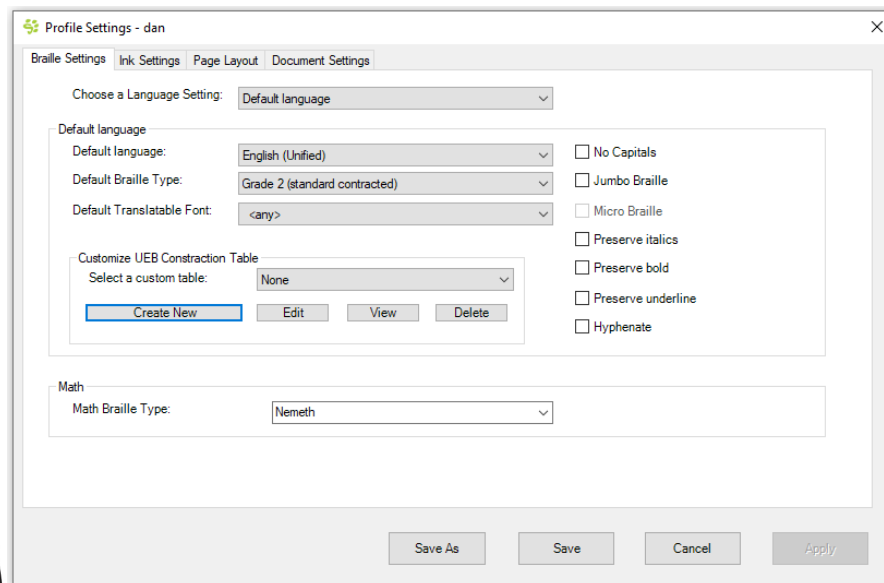
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E-1 Appendix E
Texture Palette for Microcapsule Paper

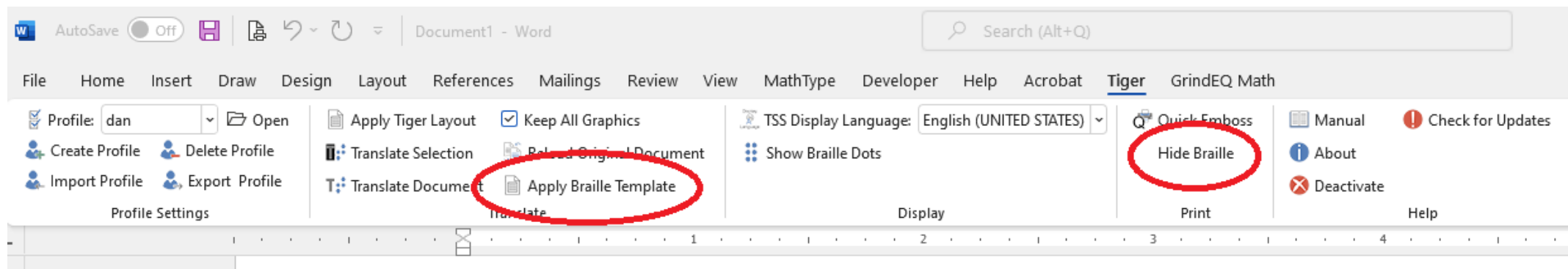


TSS 8 – Custom UEB Contraction Tables

- UEB Contraction Table Builder
- Custom UEB table selection



TSS 8 – Word and Excel

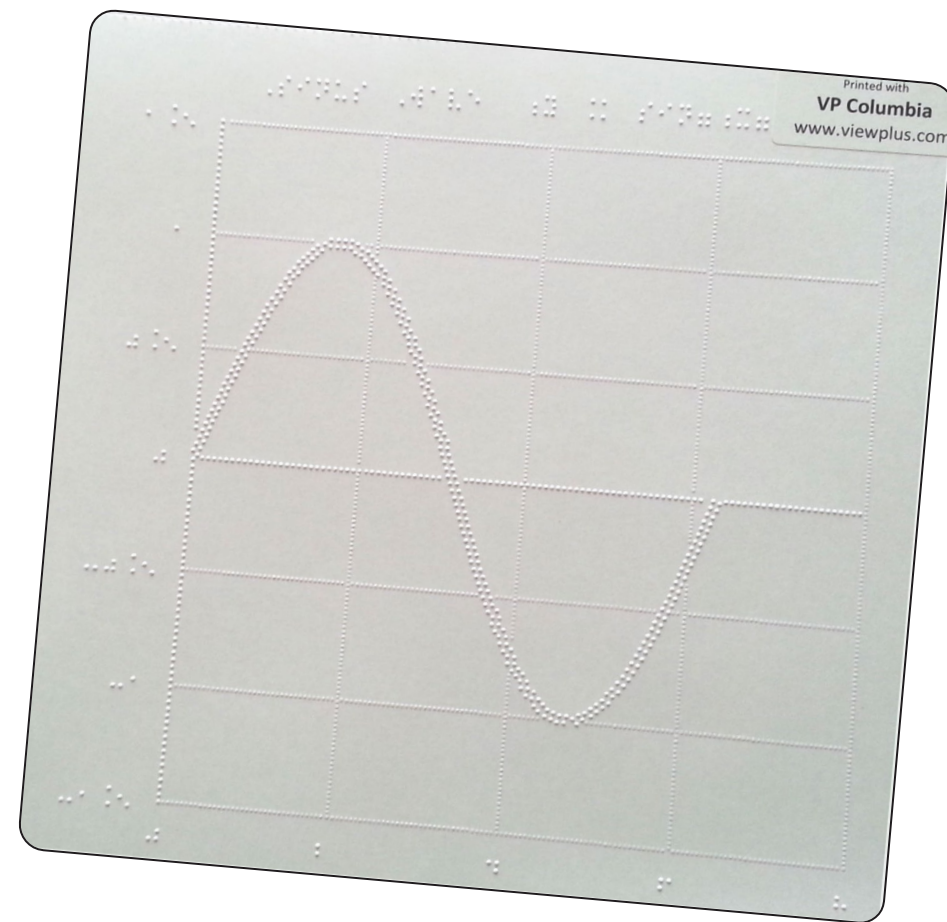


- New in Word Add-in – Apply Braille Template and Hide Braille, updated math translation



TACTILE GRAPHICS

- From any program choose VP embosser like mainstream color printer
- Printer driver converts to 3D tactile output as appears on screen
- Darker colors, or stronger lines will be higher raised than others



Upgrade to TSS 8

- Request free upgrade if PixBlaster purchased by March 15, 2022
 - <https://viewplus.com/APH>
- Purchase perpetual upgrade from previous version
 - \$395
- Always have the latest release with a subscription
 - \$195/year



PixBlaster Details

- Price: \$4,295
- Warranty: 1 Year
- Comes with
 - Tiger Software Suite
 - Pixie – Remote Printing
 - More



Poll Question #3

True or False: PixBlaster is available through Quota.

- True
- False



Reaching ViewPlus

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