INDEPENDENT CURRENCIES

INSIGHTS

MMXX

TECHNICAL DESIGN

CASE STUDIES IN HIGH SECURITY INTAGLIO & BEYOND

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TECHNICAL DESIGN

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Advanced design for high security documents.

Technical Design encompasses any method beyond the concept stage. This includes portraiture (and other engraved features), security pattern generation, and advanced graphics.

The most technically demanding element is an engraved portrait. Portrait creation is a highly technical process, requiring training and a multitude of artistic decisions. The nature of a portrait can vary, depending on the scale of the document and the document specification.

This portfolio showcases a variety of case studies of Independent Currencies's recently completed portrait and pattern generation work.

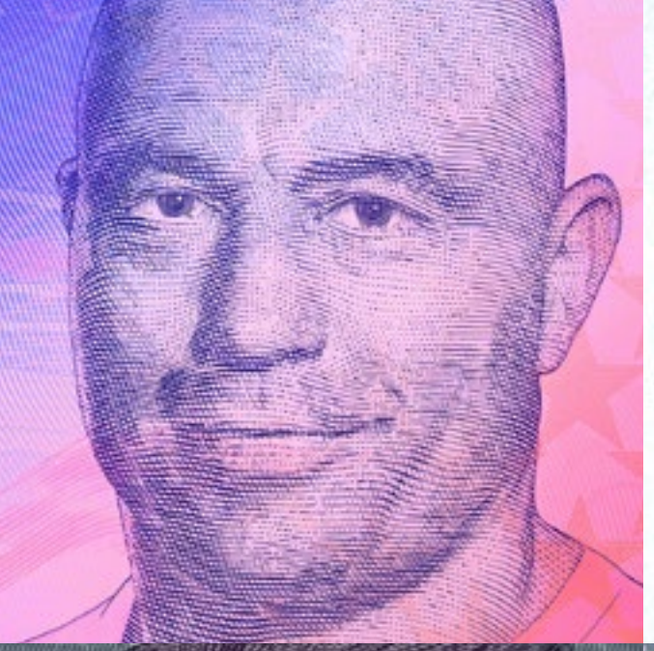
SUBSTRATE DESIGN
THREAD - WINDOWS - MACHINE READABILITY

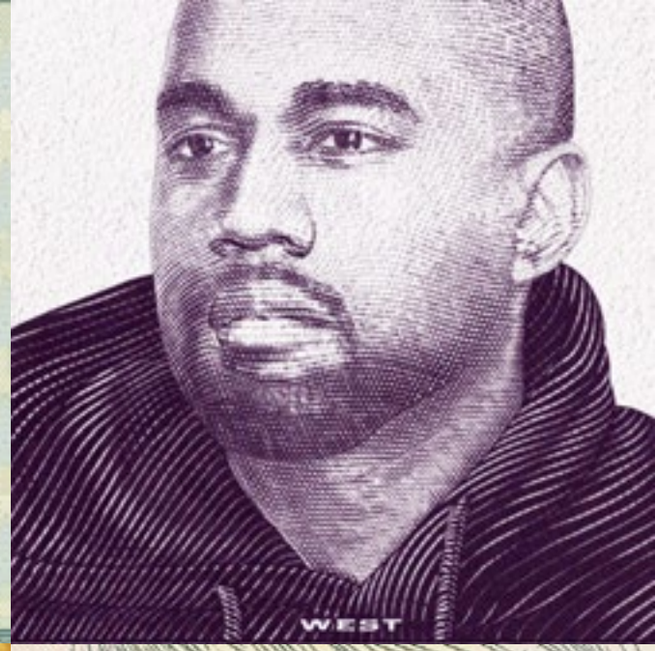
FEATURE DESIGN
SECURITY FEATURE PLACEMENT AND SPECIFICATION

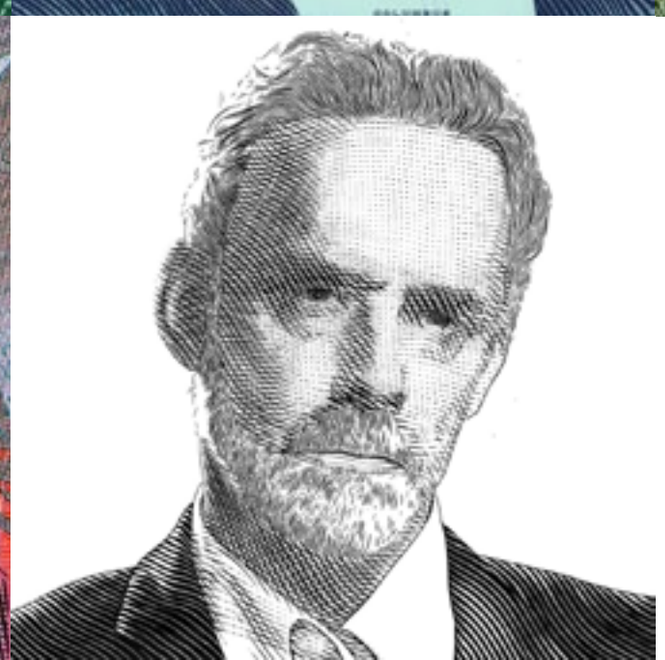
CONCEPT DESIGN
LAYOUT - CONTENT - COLOURS - THEME

TECHNICAL DESIGN
PORTRAIT - ENGRAVING - PATTERN GEN - ADVANCED GRAPHICS

PRODUCTION
PLATE MAKING - INK SELECTION - PRINTING - FINISHING







ENGRAVED PORTRAITURE 2019

Completed projects of 2019 - showcasing a wide range of sizes, applications and styles: varying degrees of stylization, realism, and effects, all created by different line width/spacing protocol.

PORTRAIT ENGRAVING

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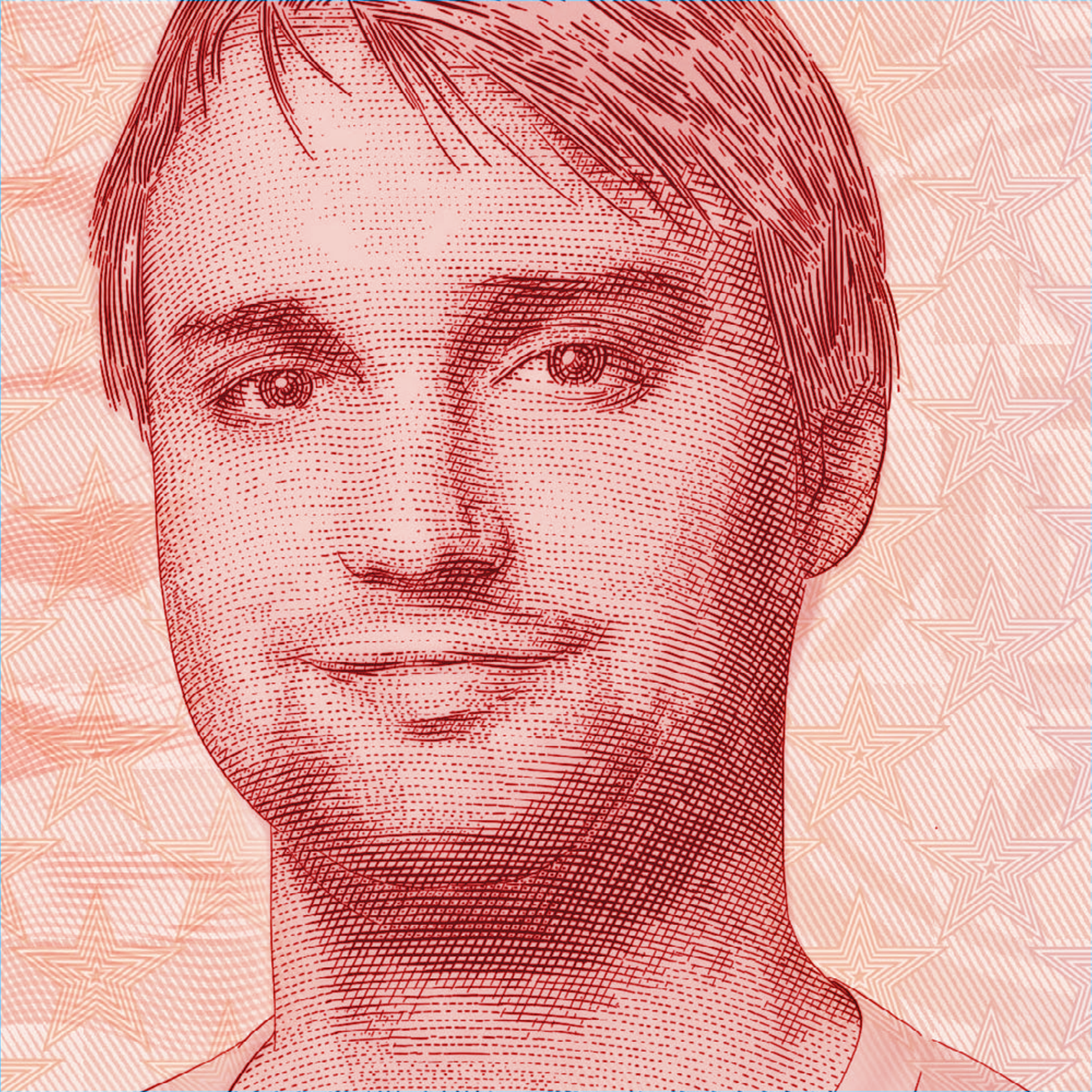
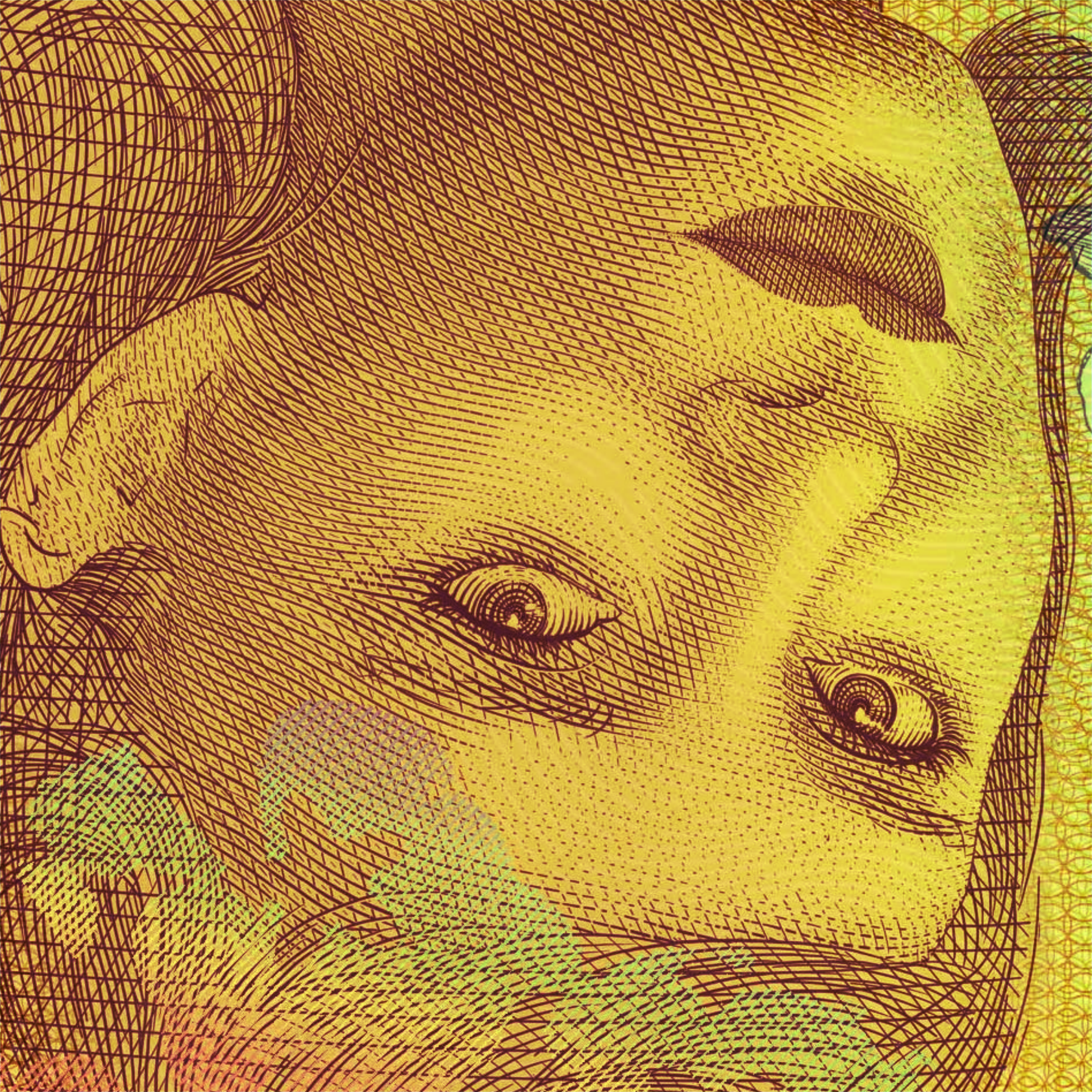
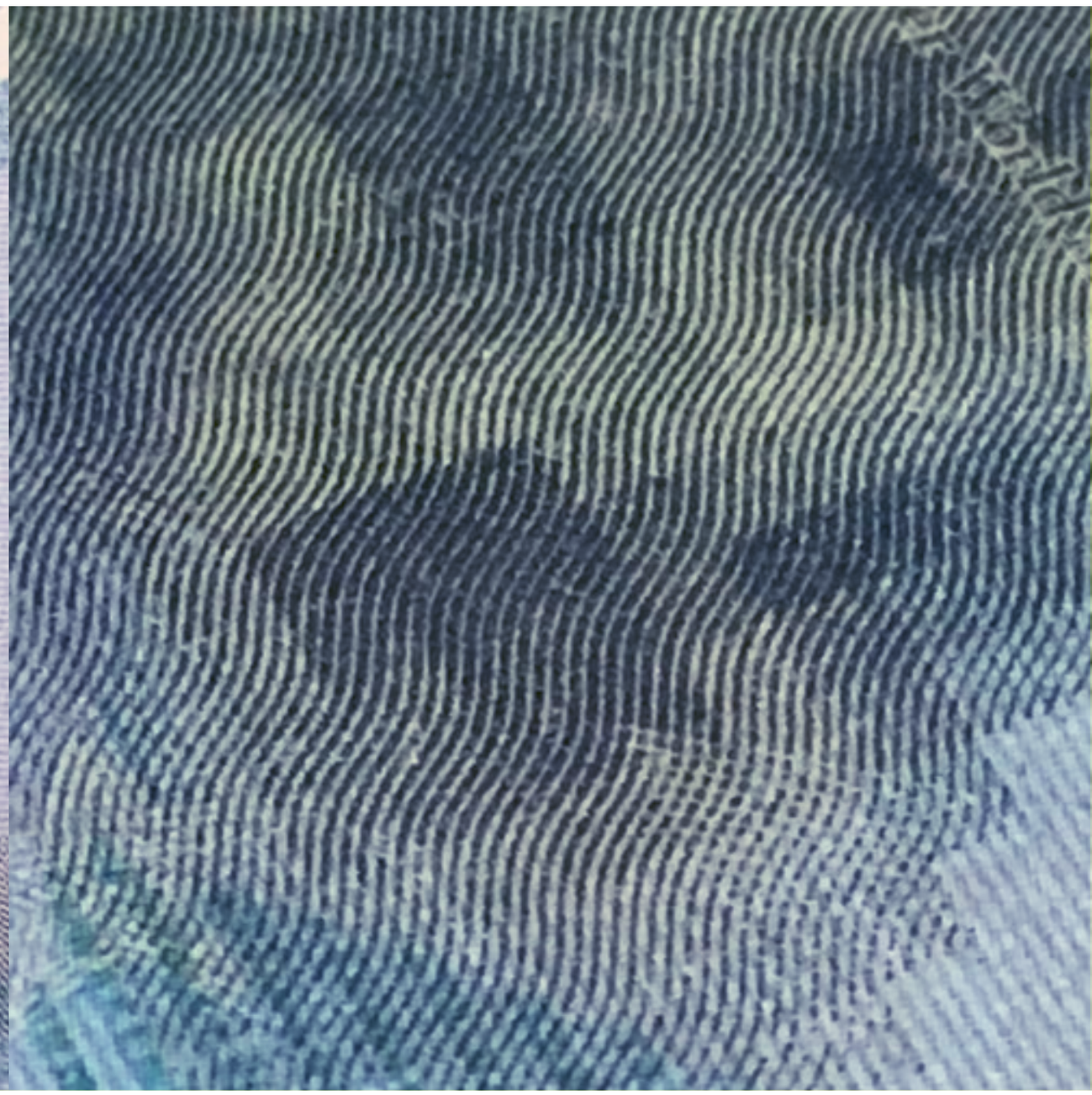




PORTRAIT

Double portrait for promotional poster, with organic pattern superimposed.

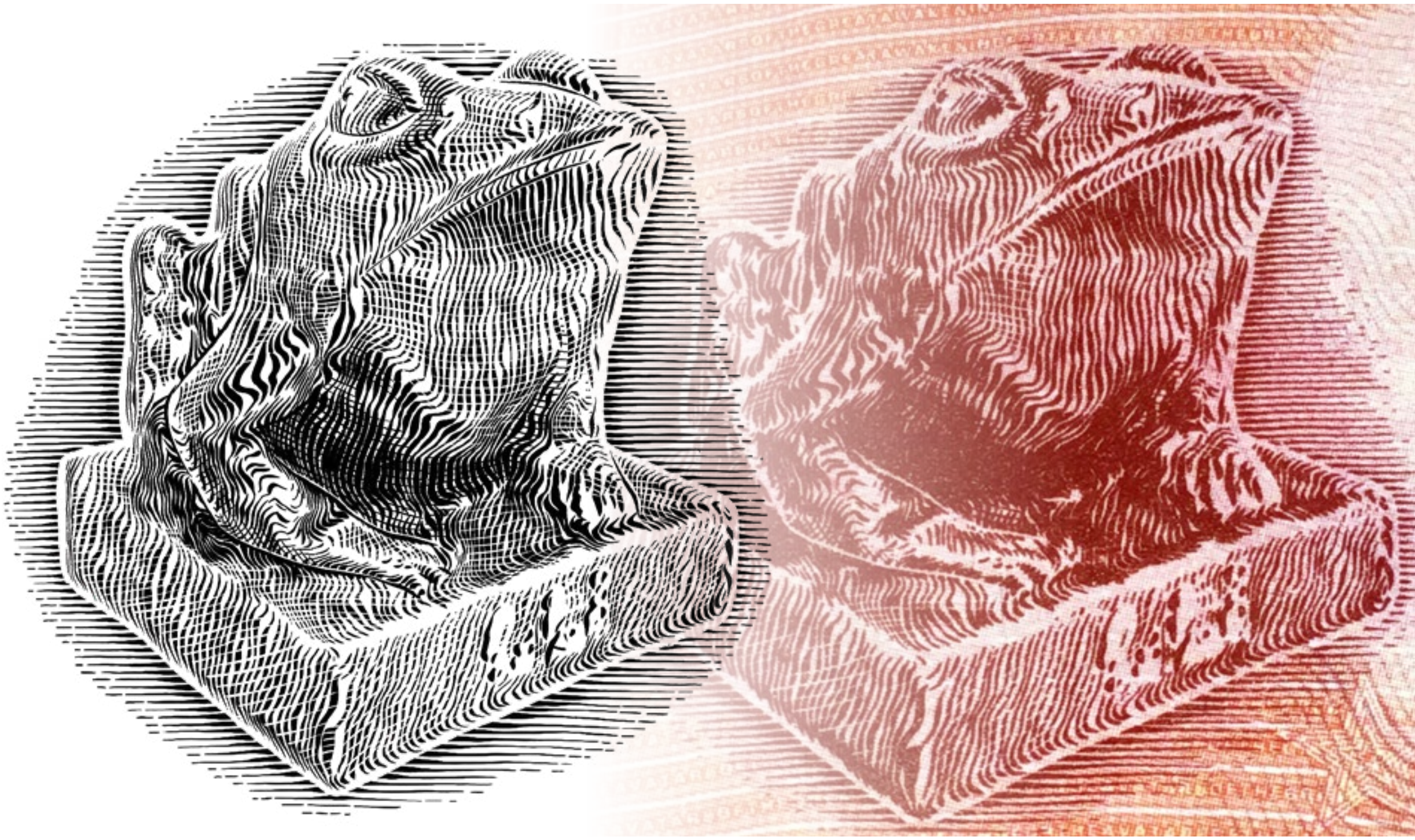


ABSTRACTED INTAGLIO PORTRAIT

A pixelated portrait, created from undulating lines. The line width modulation creates tonal variation.

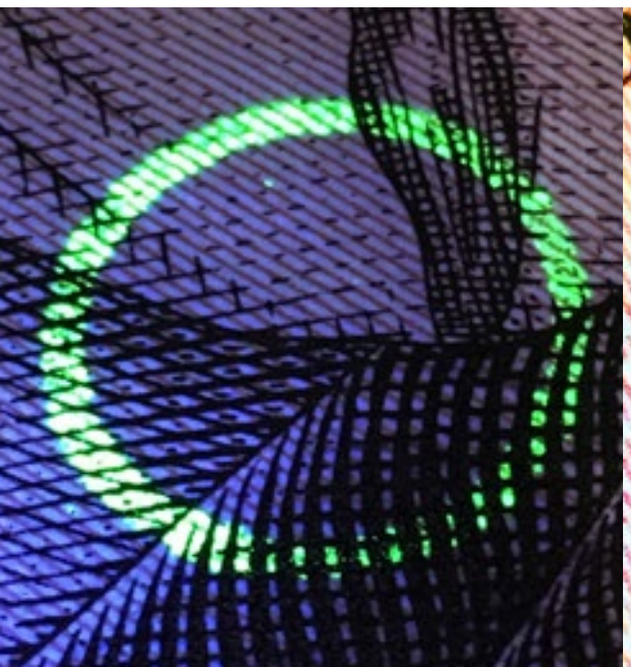
BESPOKE SCREEN PORTRAIT

Double portrait composed of a complex bespoke screen.



INTAGLIO DESIGN [VARIOUS]

Top: engraving of frog statue, with final print. Lower, from left to right: 1) Invisible UV ink under intaglio portrait detail, 2) micro details within numeral, 3) engraved logo, 4) large, complex intaglio latent image design (detail).



PATTERN GENERATION

Top left: omnidirectional pattern, Top Right: portrait composed of three litho workings in perfect registration, utilizing line width modulatiln across a chaos pattern, Lower Left: geometric transformation, Lower Right: omnidirectional pattern.

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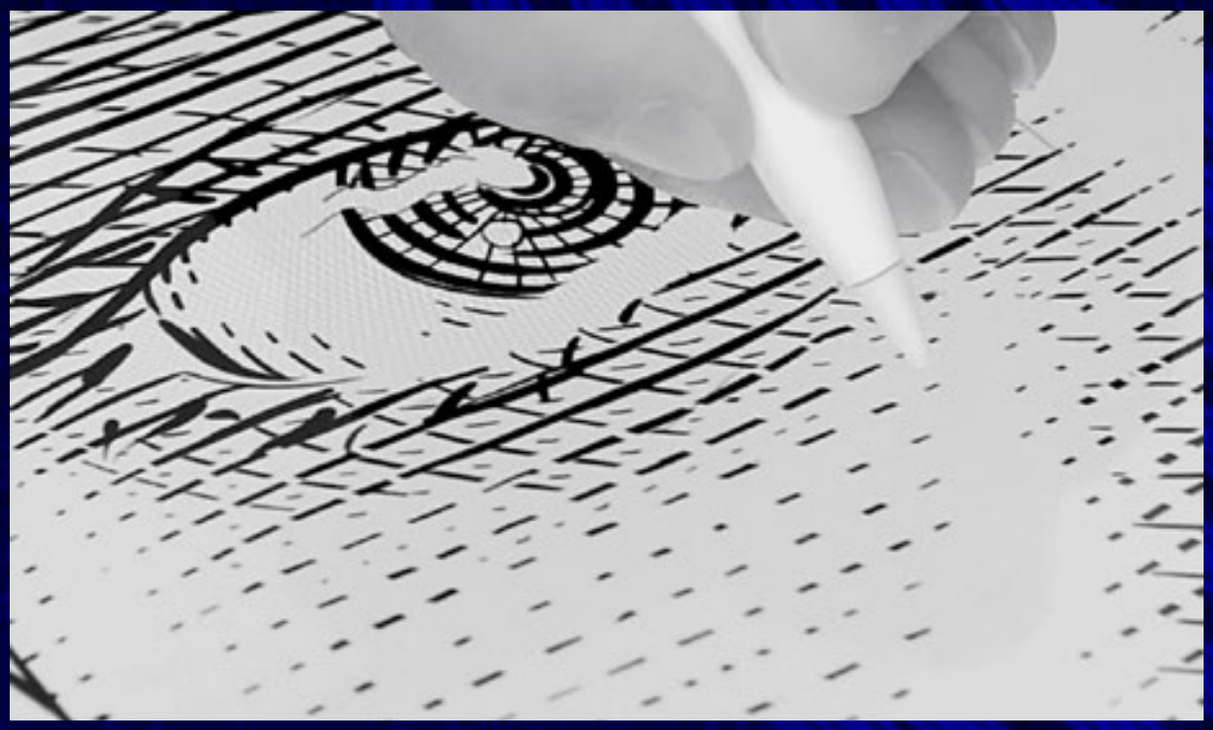
PROFILE



Our in-house design work combines artistic flare, mature design awareness, and deep technical understanding. Wherever possible, we make use of innovative technologies to enhance user experience and authentication – from bespoke design methods, to sourcing exotic materials, to exciting partnerships at the forefront of their sectors.

Our design methodology goes through a clear and specific process. Our workflows have been perfected and tested in the banknote production industry.

We can now combine our technical design capabilities with artisan intaglio and litho printing, suitable for proofing and small volumes.

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TECHNICAL DESIGN
CREDENTIALS

OVER
28
engravings completed in 2019

LESS THAN
3
weeks average portrait creation time - 25% faster than the industry standard.

MORE THAN
5
in-house bespoke pattern generation techniques perfected.