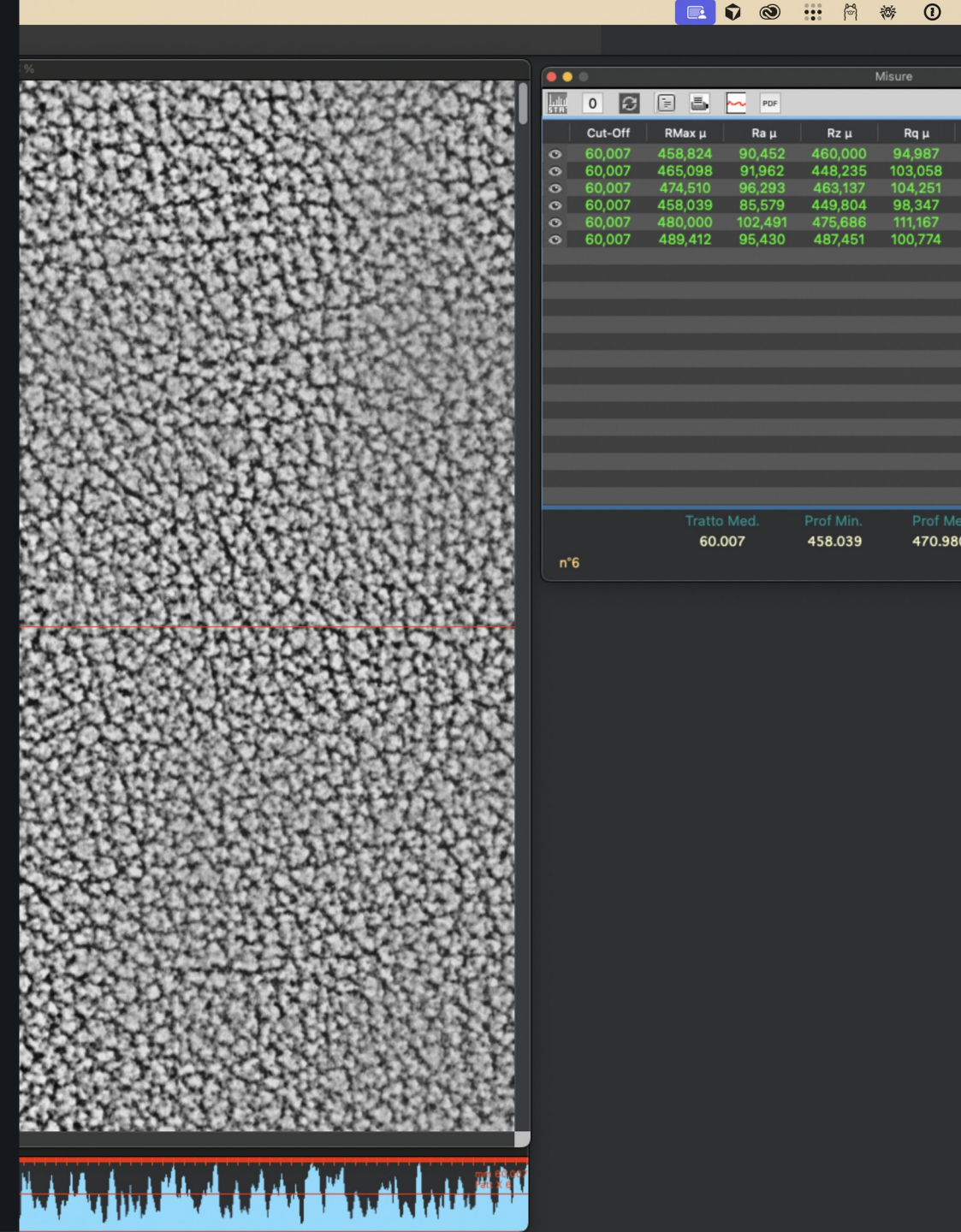


From image to cylinder, with total control.

Preparation, screening, measurement and transfer
in one professional environment.



Too many steps separate the file from production

When preparation, retouching, screening, measurement and transfer rely on different tools, every step adds time and opportunities for error.

01 Manual repetitions

Cylinder diameter and table settings must be checked every time.

02 Fragmented checks

DPI, dimensions, depth and metadata are scattered across multiple applications.

03 Inconsistent results

Presets, filters and parameters depend on each operator's experience.

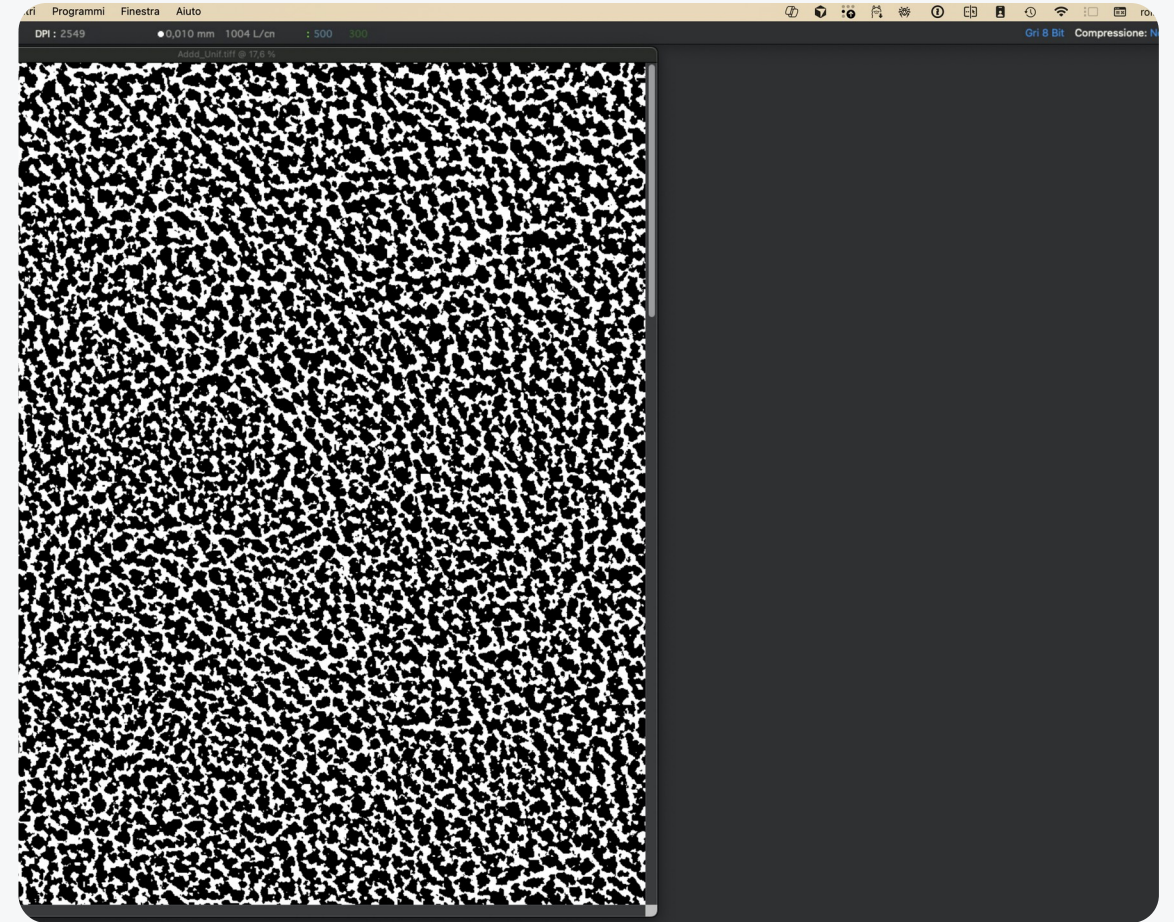
04 Error-prone delivery

Rotations, mirroring, spool folders and network volumes require constant attention.

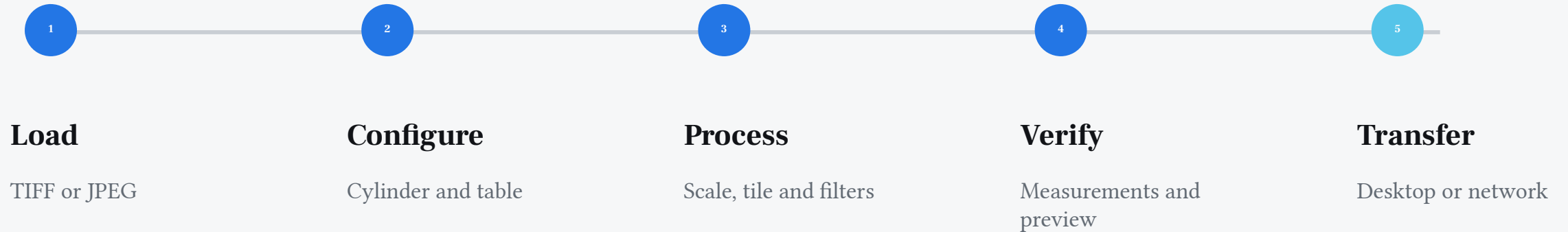
One workflow, built around real production needs

DragLaser brings together everything needed before engraving:

- cylinder preparation
- raster and layer editing
- specialist screens and textures
- 2D, 3D and roughness measurement
- **export and machine transfer**



From file drop to machine-ready output



The same process can be saved, repeated and verified before delivery.

The artwork adapts to the cylinder, not the other way around

The main interface displays several key parameters for cylinder preparation:

- Dimensions and Development:**
 - Sviluppo Tot Cil Pix: 767
 - Sviluppo Pat * N° In Pix: 933
 - Circonferenza Cil mm: 300
 - Circonferenza Scal mm: 64.93933
 - Sviluppo Pat*N° mm: 78.994
- Process Settings:**
 - RPM Max: 1200
 - Tempo Min: ...
 - RPM Lavoro: 600
 - Tempo Incisione: ...
 - Tempo sparo: 2
 - Velocità Lineare mm/sec: ...
- Adattamento al Cilindro (Cylinder Adaptation):**
 - Inputs: Ø, Tav mm, Scrolli Y e mm, Scrolli X Tav mm, N° V Circ., N° V Tav., Dpi V, Dpi H, %, 1 Pixel=mm.
 - Buttons: Scala Prop., ☒ Riempi Con Pattern, Rot. Pattern, Scala solo circ., Riempi solo Circonferenza, Scala soltanto.
 - Output: Riempimento % 100.
- Funzioni (Functions):**
 - Stampa, Inverti, Bianco Nero, LZW, Greyscale, Tiff Multipagina, Ruota 90, Rifletti Orizzontale.
 - Esporta Log, Rot. 45, Salva PDF, Multipagina PDF, Filtro Engrave, Ruota -90, Rifletti Verticale.
 - Fascia dei codici, CompressionePackBits, Stampa Misure in PDF.
- Interpolation and Filtering:**
 - Interpolazione, Filtra con, Anteprima Filtro, Anteprima Lavoro.

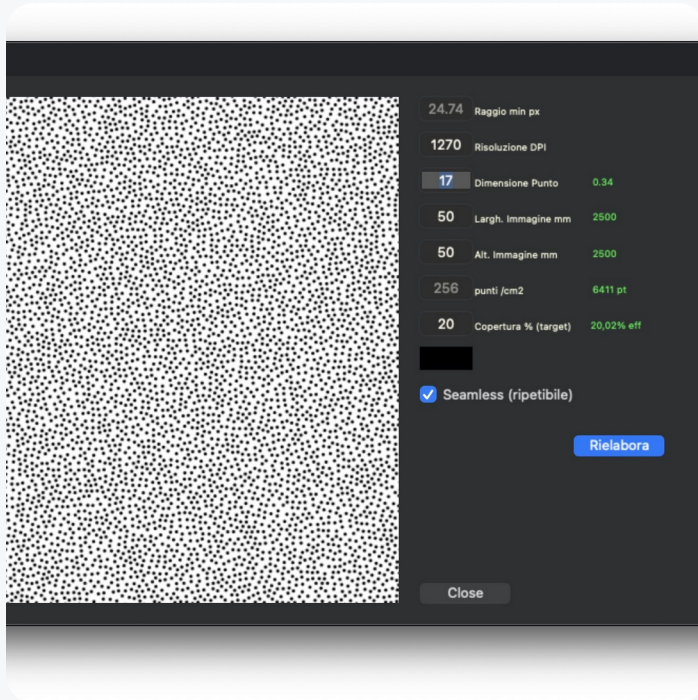
The 'Adattamento al Cilindro' panel provides detailed configuration options:

- Inputs:** Ø, Tav mm, Scrolli Y e mm, Scrolli X Tav mm, N° V Circ., N° V Tav., Dpi V, Dpi H, %, 1 Pixel=mm.
- Buttons:** Scala Prop., ☒ Riempi Con Pattern, Rot. Pattern, Scala solo circ., Riempi solo Circonferenza, Scala soltanto.
- Output:** Riempimento % 100.

Diameter, table, repeats, scale, tiling, rotation and offset are controlled from one panel.

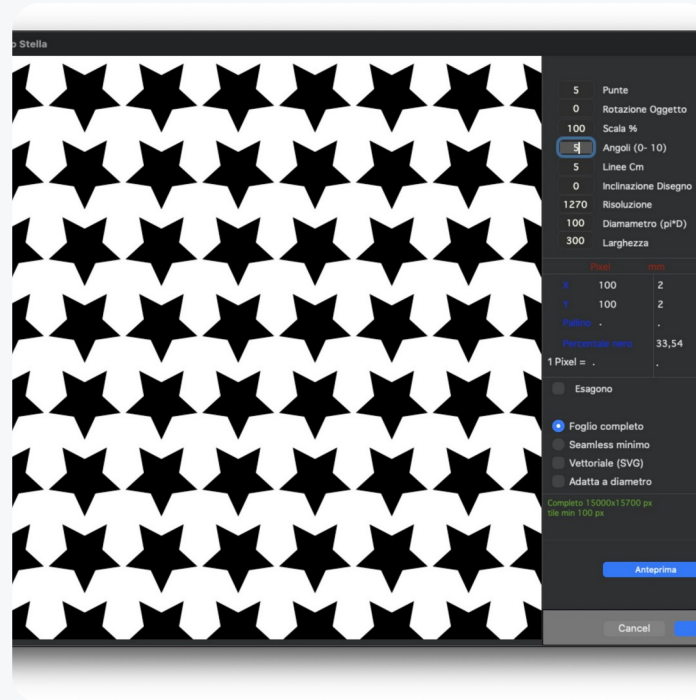
Fields and constraints help the operator identify inconsistent settings before transfer.

Screens designed for results, not trial and error



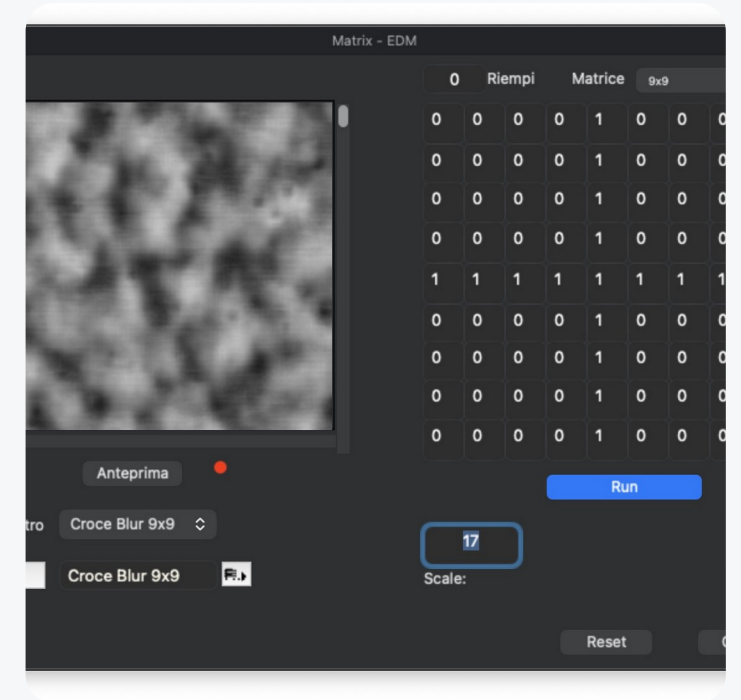
Poisson

Organic, controlled distribution



Geometries

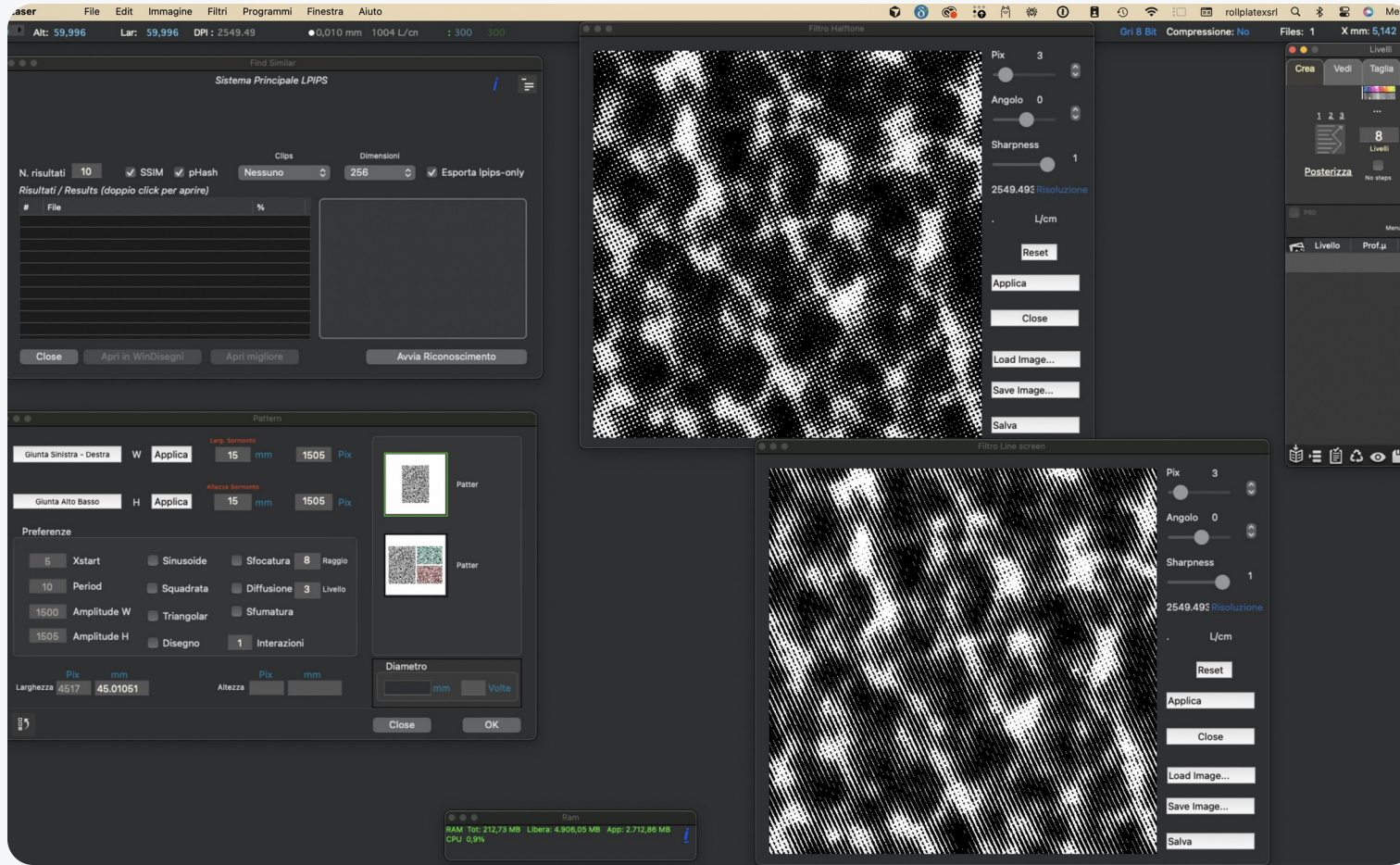
Stars, circles, squares, diamonds and polygons



Matrix EDM

Specialist textures for engraving

Clean, transform and prepare without changing environment



Tone and contrast

levels, curves and corrections

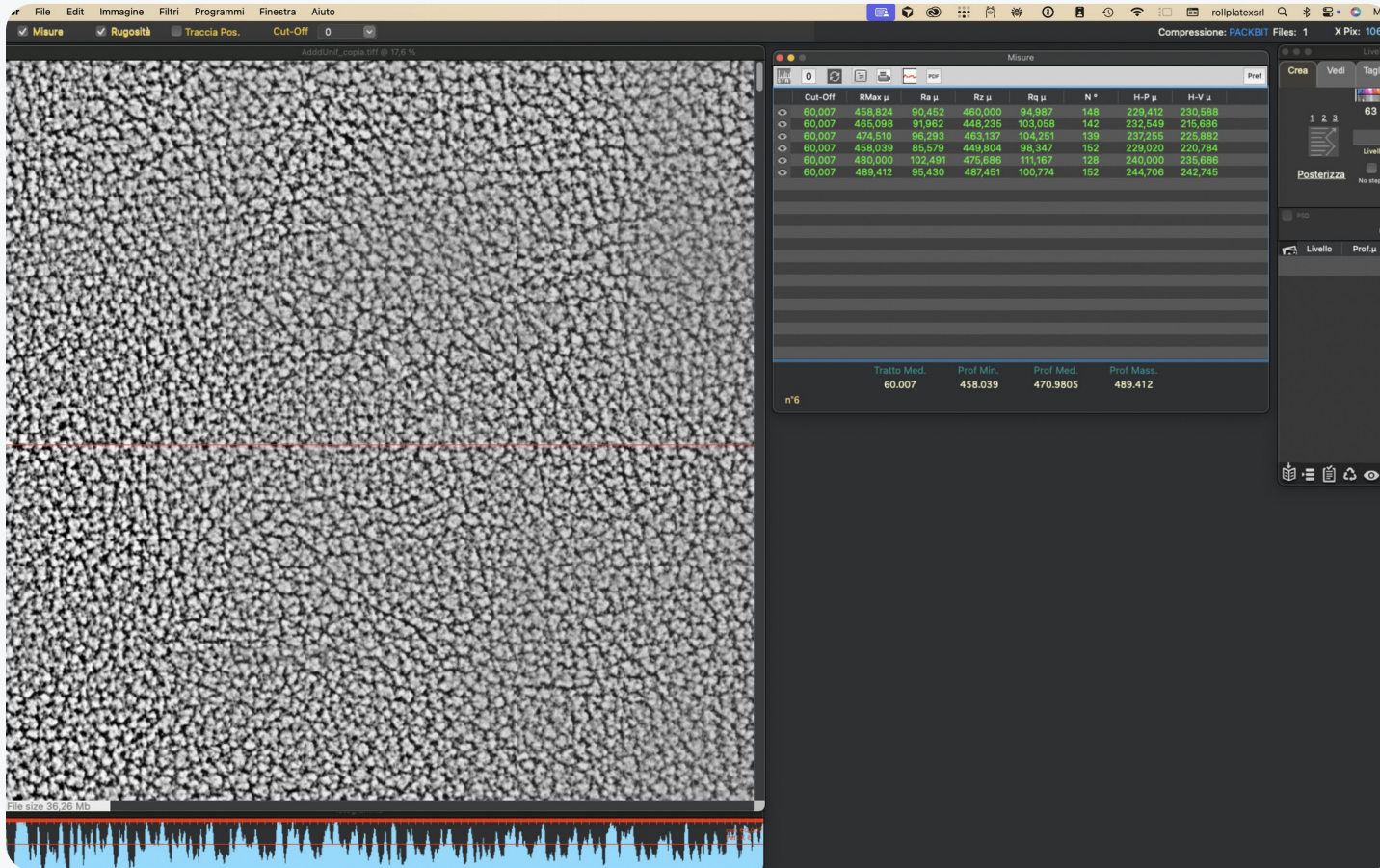
Morphology

skeleton, watershed, distance map

Production

thinning, cleanup and vectorization

The image becomes measurable data



Roughness

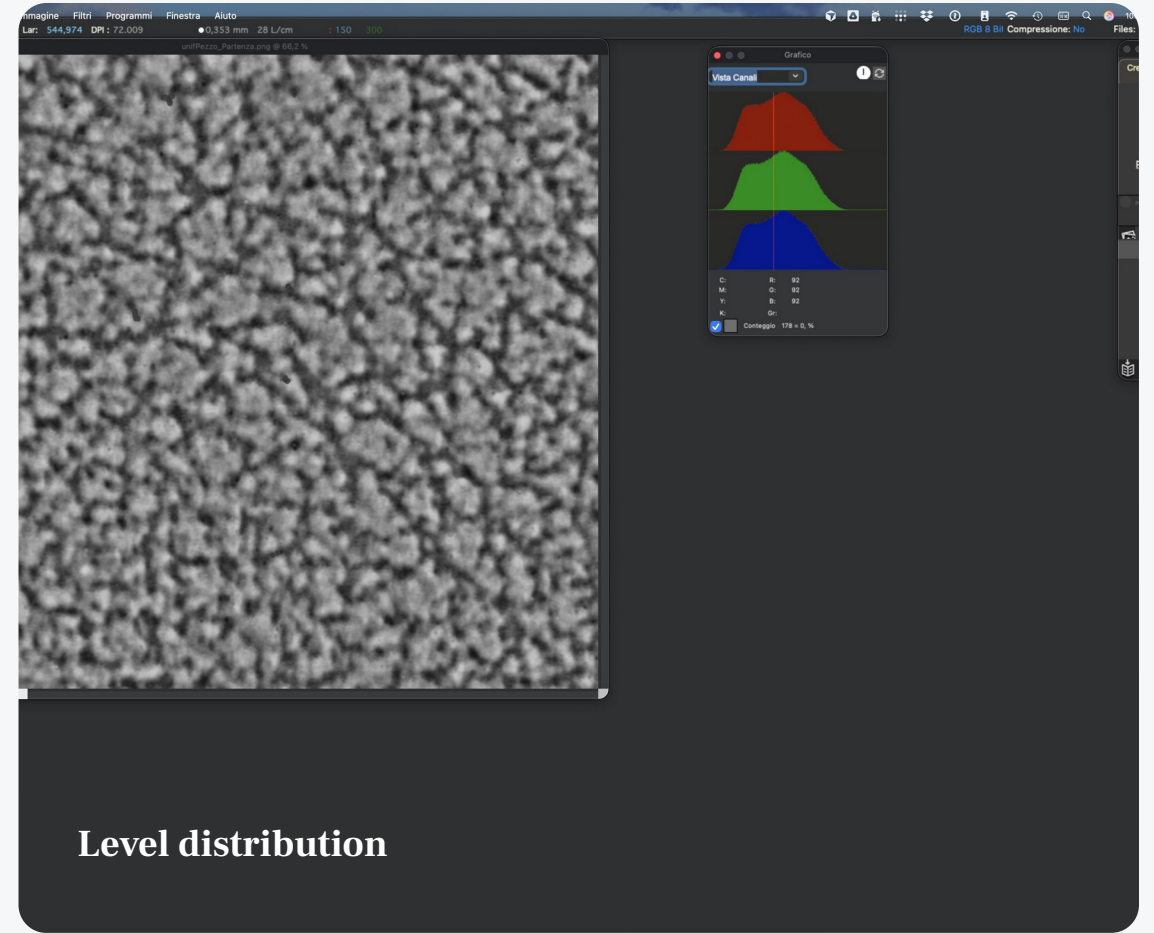
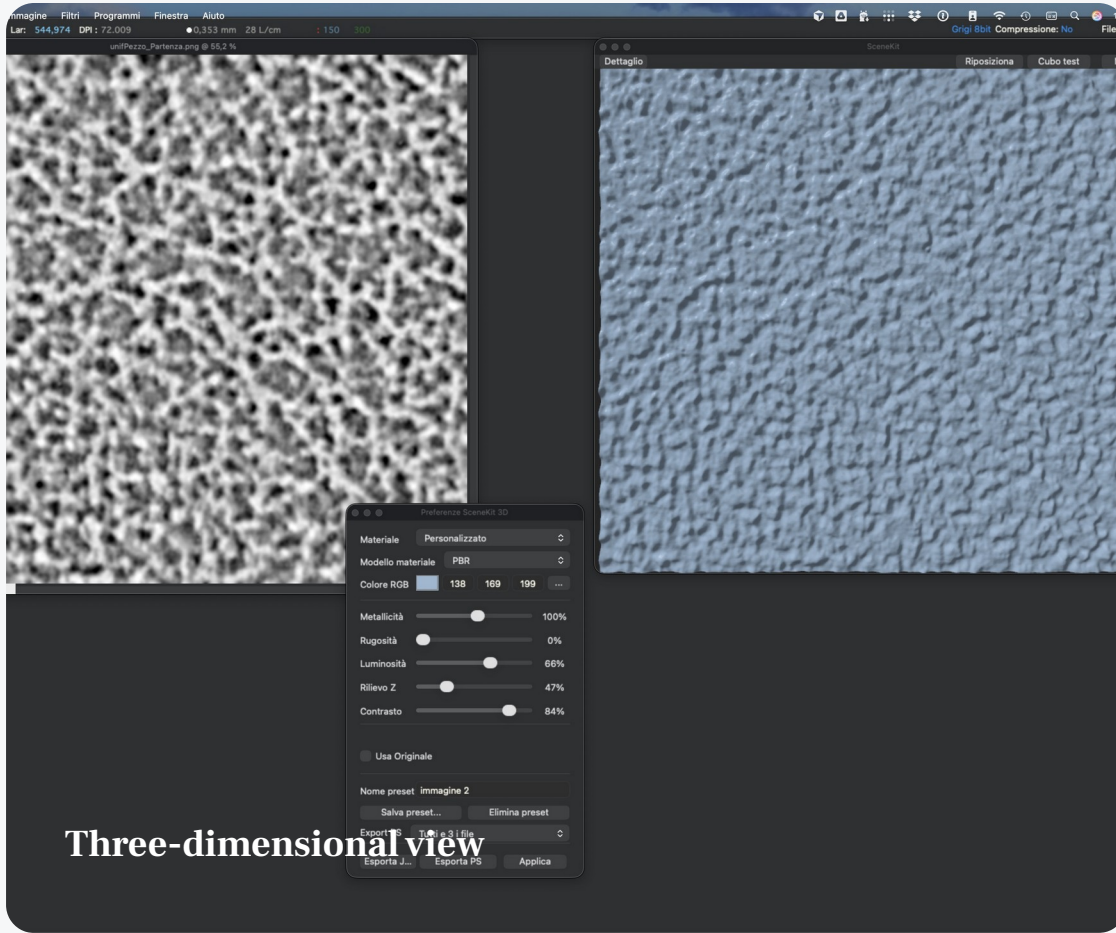
Depth and levels

Distances and density

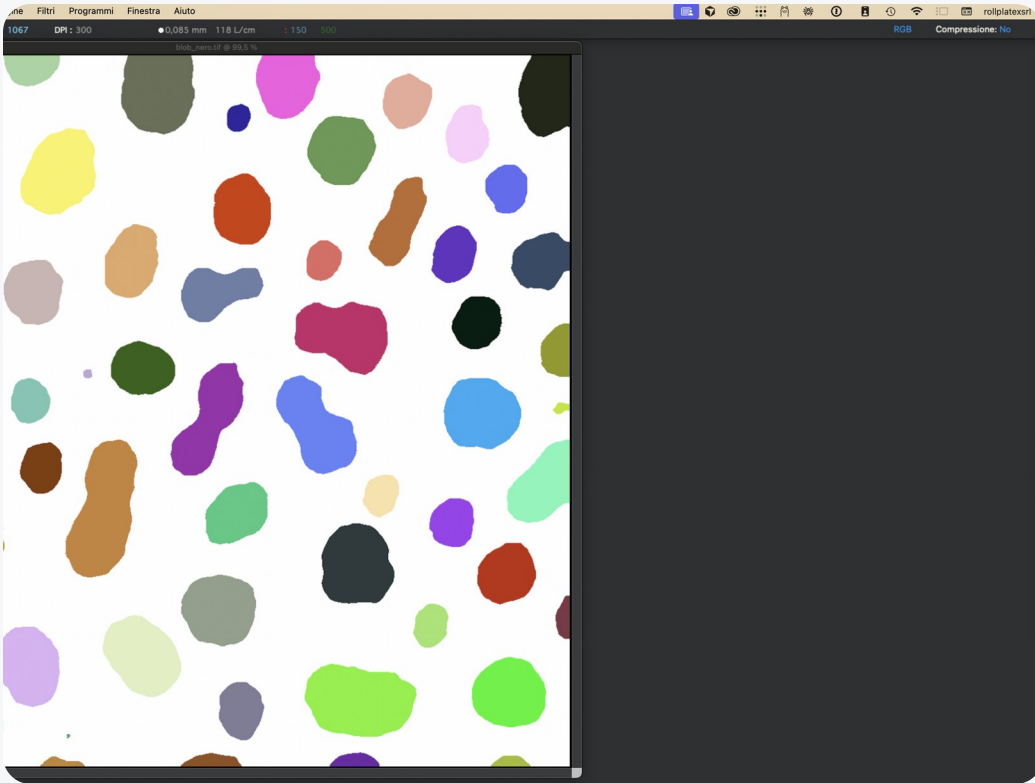
Flatness and volume

Measurements remain linked to the image and the process that produced them.

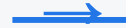
Depth and surface information become clear at a glance



Colour separation becomes engraving-ready output



Colour image



blob_Layer.tif · screened

Operator decisions become a repeatable process

Machine presets

Rotations, mirroring and destinations consistent with the production system.

Verifiable parameters

DPI, dimensions, repeats and timing in the same context.

Documented output

Bands, test strips, measurement PDFs and multipage TIFFs.

Controlled distribution

Desktop or network volume, with transfer logs.

Output is fully checked before engraving

Misure Disegno e Tempi incisione					134.1647 Mb	N° di File	1
Larghezza Pixel	Altezza Pixel	Risoluzione Pattern	Larghezza Part. mm	Altezza Part. mm			
1000	1000	508	50	50			
Sviluppo Tot. Cir. Pix	Sviluppo Part. * N° in Pix	Circonferenza Cir. mm	Circonferenza Scal. mm	Sviluppo Part. N° mm			
12566	13000	628.32	628.3	650			
RPM Max	Tempo Min	RPM Livello	Tempo Incisione	Tempo spazio	Velocità Lineare mm/min		
682.09	00:14:39	200	00:49:59	7	2094,4		

Measurements and timing

Confirm dimensions and estimate the job.

Funzioni

Fascia Codici

Provini - Livelli

PDF Misure

☐ Provino Livelli Incisione

15

Altezza Riquadro

Provini Profondità

☐ Attiva Riquadro

3

Altezza

2

Larghezza

☐ Provini a Destra

☐ Attiva Cerchio

2

Diametro mm

☐ Progressivi

6

N° di provini

☐ Fascia a destra

5

Larg. Fascia mm

4

Sposta a Dx mm

2

Spazio in alt. mm

Test strips

Prepare controlled depth series.

Funzioni

Fascia Codici

Provini - Livelli

PDF Misure

Note

Diametro x 3,1416 = Sviluppo 0
Sviluppo / Altezza Disegno = 0 Ripetizioni
Altezza x Ripetizioni = Diametro Reale 0, mm
Stiramento Disegno NaN, %
Disegno x 1 Ripetizioni = 1,0 - Diametro = 25,14mm
Disegno x 1 Ripetizioni = 79,0 - Diametro = 25,14mm

25

% Ingrandimento Anteprima

☒ Sviluppo Verticale

☐ Sviluppo Orizzontale

Reports

Share artwork data and references.

Designed for departments working with technical images every day

01

Industrial engraving

Cylinder preparation, textures and depth tests.

02

Specialist prepress

Cleanup, screening, separations and repeatable output.

03

Quality control

Measurements, roughness, surface analysis, charts and documentation.

Its value grows whenever the cost of an error exceeds the cost of standard graphics software.

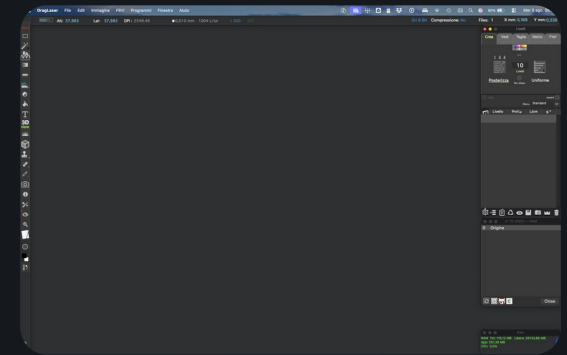
The licence can include process setup

Software	DragLaser licence for the agreed workstation
Configuration	Initial presets, destinations and parameters
Training	Hands-on session with your staff
Support	Support and updates according to the agreement

Configuration and terms are defined around the customer's actual process.

NEXT STEP

Let's start with a real file. Together, we'll see what can be automated.



Sample demonstration · Workflow analysis · Tailored proposal

[Request a demonstration](#)