

Mobile workstation Regula 8003M



The mobile workstation is intended for express authenticity verification and advanced examination of passports, ID cards and other travel documents, visa stamps and seals, including but not limited to entry permits, driver's licenses, vehicle registration certificates and other vehicle related documents, banknotes, revenue and special stamps, securities and other documents with security features.

Regula 8003M is constructed in a protective case. The mobile workstation consists of a notebook (model is selected at customer's request), two light tables, a spectral luminescent magnifier [Regula 4177](#) and an optical module [Regula 4178](#) supported by [Regula Forensic Studio](#) software and a compact device [Regula 1025](#). The complex can be used as portable (powered by a battery pack) or stationery (powered from the AC mains) equipment. Regula 8003M is optionally supplied with a magneto-optical visualizer [Regula 4197](#) and [information reference systems](#).

Functionality

- Obtaining and processing images
- **Examinations on different levels**
 - **protection of the document basis**
 - paper opacity, watermarks, security fibers, planchetes, security threads, holograms, foil stamping, pole feature, all types of windows, transparent vanish coating, shadow images, etc.
 - **printing methods**
 - *intaglio*: texts, guilloche frames, rosettes and vignettes, microprinting, latent images and moire patterns, signs for the visually impaired, blind embossing, colour shifting ink, including OVI with embossing and latent images, etc.
 - *letterpress*: serial numbers, texts, barcodes, etc.
 - *offset printing* including Orlov and rainbow printing: texts, microprinting, moire patterns, background and anti-copy patterns, etc.
 - *screen printing*: security features with optically variable effects, etc.
 - see-through register
 - perforation.
 - **physico-chemical protection**
 - anti-Stokes luminescence
 - UV luminescence with different wavelength
 - IR luminescence
 - security features with magnetic properties, etc.
 - **complex security features**
 - holographic images, OVD
 - retroreflective protection
 - security features with IR-metameric ink
 - special polymer coating of security laminates
 - metallized coating
 - laser engraving
- **Additional examination of**
 - fragments of document images depending on the degree of absorption or reflection of IR light
 - document alterations such as erasure, etching etc.
 - traces of signature forgery
 - extraneous lines (do not originally belong to the examined object) that are performed with IR opaque inks
 - blurred, crossed out entries, texts and images
 - document mechanical defects such as cuts, tears, folds, etc.
- **Optionally:** detection of security elements with magnetic properties; including blurred and crossed out texts by [Regula 4197](#)

Application

- Border control and immigration services
- Customs authorities
- Law-enforcement agencies
- Forensic laboratories
- Financial institutions
- Other agencies and organizations authorized to check documents

Delivery Set

- Notebook
- Charger
- Spectral luminescent magnifier [Regula 4177](#)
- Compact device [Regula 1025](#)
- Optical module [Regula 4178](#)
- [Regula Forensic Studio](#) software
- Optionally:
 - Magneto-optical visualizer [Regula 4197](#)
 - Information reference systems Passport, Autodocs, Currency (version Brief)

	Light table №1	Light table №2
Light sources	transmitted white	transmitted UV, nm — 365
	transmitted IR, nm — 870	
Light transmitting screen size, mm	200×135	80×55

Spectral luminescent magnifier Regula 4177-5			
Light sources	white	incident	
		oblique	
	ultraviolet incident 365 nm		
	infrared, nm	incident	870
			940
		oblique	880
			high-intensity
	high-intensity incident green 530 nm		

Optical module Regula 4178		
Light sources	white	incident
		4 oblique from different sides
		24 oblique for hologram examination
	ultraviolet, nm	254
		313
		365
	4 oblique infrared, 870 nm – from different sides	

Compact device Regula 1025		
Light sources	white	incident
		oblique
		for OVD visualization
		coaxial
	interchangeable white/ultraviolet	
	ultraviolet, nm	254
		313
		365
		400
	high-intensity IR 980 nm	

Technical Specifications

- Dimensions (length × width × height), mm, max — 500×385×135
- Total weight, kg, max — 10,5
- Power supply:
 - workstation battery pack:
 - power supply voltage, V — 14,4

- AC mains
- Power consumption, W, max — 70
- Workstation autonomous operation, hours, min — 5
- Battery pack charging time after being fully discharged, hours, max — 2
- Workstation warm-up time, min, max — 3



Spectral luminescent magnifier Regula 4177: White incident light 1x



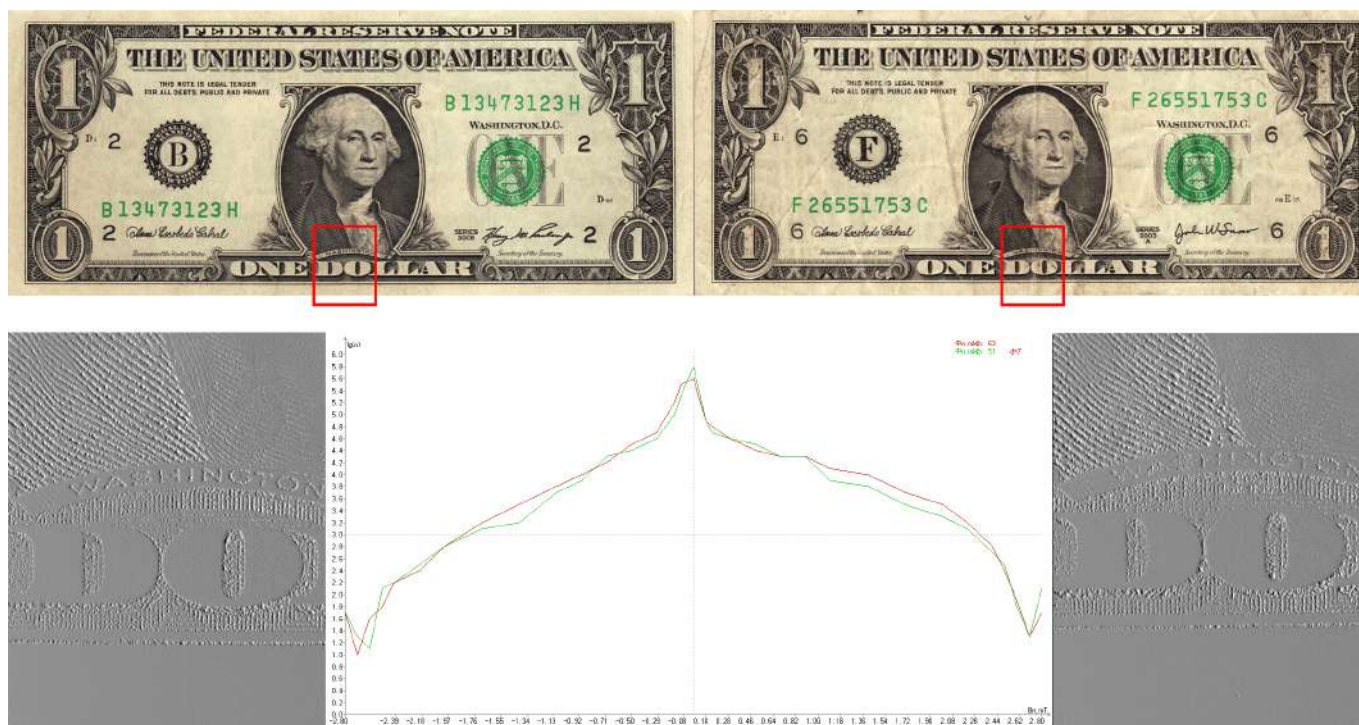
Spectral luminescent magnifier Regula 4177: White oblique light 1x



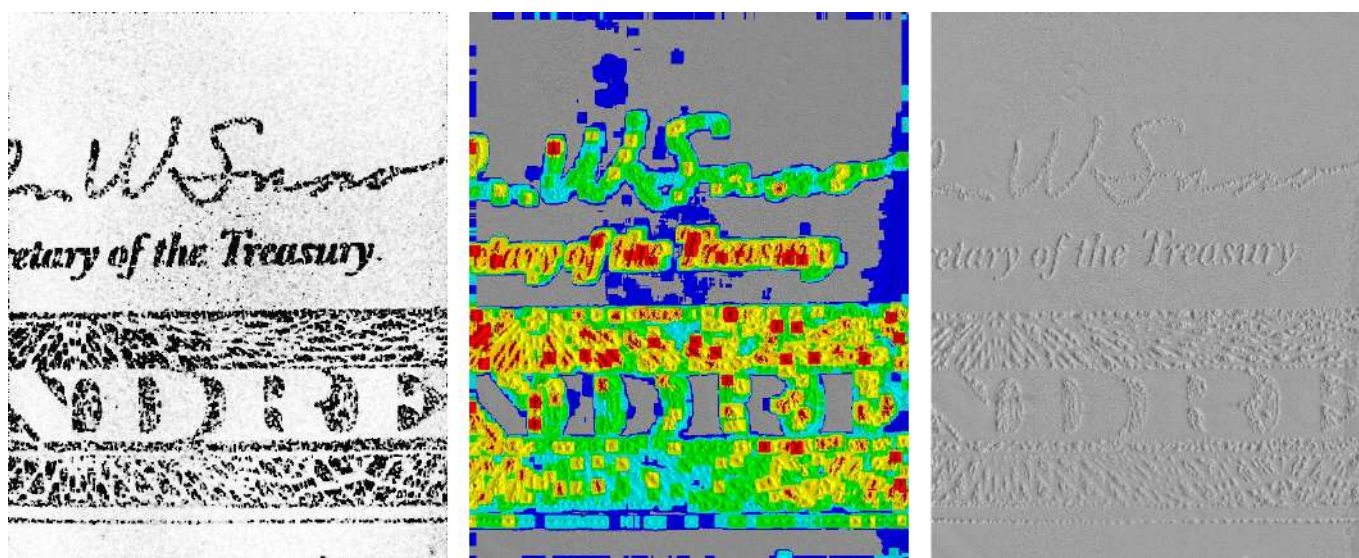
Spectral luminescent magnifier Regula 4177: Ultraviolet top light (365 nm) 1x



Spectral luminescent magnifier Regula 4177: Infrared oblique light (880 nm) 1x



Visualizer of magnetic properties Regula 4197



Visualizer of magnetic properties Regula 4197: Black & White. Colour (magnetization intensity pattern). Raw.