

Creality Falcon A1 Pro 20W Laser Engraver

Gamintojas: **CREALITY** · Modelis: **1206010068** · EAN: **6977905741434** · Prekės kodas: **690518**



1 063,90 €

Kaina su PVM

Be PVM: **879,26 €**

Sandėlyje



Prekė internetu

Nuskenaukite kodą arba apsilankykite www.shopro.lt



Aprašymas

Creality Falcon A1 Pro 20W Laser Engraver

The Creality Falcon A1 Pro is an advanced laser engraver designed for users who expect the highest quality workmanship, material versatility, and comfort. The device works with interchangeable laser modules that can be tailored to the type of work being performed, and the available modules are sold separately. The package is complemented by intelligent AI systems and a closed Class 1 design, and solutions that allow you to start working immediately after unboxing—no adjustments or time-consuming configuration required. Choose intelligent solutions and select the Falcon A1 Pro today.

Interchangeable laser modules

The 20W blue diode laser is designed for cutting and engraving materials such as wood, acrylic, stainless steel, glass, painted metal, stone, fabric, leather, paper, and felt. It easily handles cutting 10 mm linden plywood and 8 mm black acrylic. The 2W IR laser opens up entirely new possibilities for working with metals and plastics, enabling precise marking and engraving where standard diode lasers fall short. Thanks to this combination, a single machine can handle projects that previously required several different machines.

No tools, no downtime

The device is designed for convenient, tool-free replacement of compatible laser modules. The integrated Z-axis with a dual cable clamp ensures plug-and-play installation, saving time and eliminating the risk of errors. Changing the laser takes less time than brewing a cup of coffee, allowing

you to seamlessly transition between different production tasks. No adjustments, no calibration, and no additional preparation — just plug in and get started.

High-quality engraving

The Falcon A1 Pro is designed to handle the most demanding projects. The ultra-fine 0.03 mm laser spot, combined with 1064 nm IR technology, enables exceptional detail. The device is ideal for engraving photos, jewelry, business cards, or precise graphic details where every micrometer counts.

AI-powered systems

The integrated AI vision system combines an AI camera with a red measurement laser, ensuring automatic focusing in under 3 seconds, measurement accuracy of < 0.3 mm, and a perfect first cut without trial runs or corrections. Additionally, the HD camera enables precise positioning, a full view of the work area, and the elimination of blind spots during operation.

Fast, versatile, and safe operation

The device achieves a working speed of up to 600 mm/s, which significantly increases productivity in mass production. The 358 × 268 mm working area allows you to tackle larger projects or process multiple parts simultaneously in batch mode. With the mobile app, you can monitor progress in real time, no matter where you are. The system enables convenient multitasking—the device notifies you of the task status, and you have full control without the need for constant supervision.

Protection without compromise

The Falcon A1 Pro features a fully enclosed Class 1 design, ready for safe operation in a home environment. It features a protective shield to safeguard your eyes from harmful laser light, a smoke exhaust system with a filter, two cooling fans in the head, automatic shutdown when the cover is opened, and an emergency stop button. Additionally, AI-based smart flame detection detects fire in real time, immediately stops the device, and sends a notification to the app. This solution is designed with maximum safety for the user and the environment in mind.

Thoughtful design

Despite its large work area, the Falcon A1 Pro stands out for its compact design, taking up significantly less space than devices with similar capabilities. Its dimensions of 567 × 468 × 211 mm allow it to fit easily into almost any workspace. The large dual window provides excellent visibility of the process without the need for safety goggles, and the filtration system ensures comfortable viewing. The integrated smart touchscreen provides quick access to file history, a clear process preview, and an intuitive workflow. You can observe the laser in action directly on the screen and launch tasks from the app with a single touch.

Included

- engraver
- exhaust tube
- hose clamp
- air assist kit
- silicone tube
- power supply
- linden wood (300 × 300 × 3 mm)
- test calibration card
- rotary kit connection cable
- multi-level fixed-focus block
- Type A to Type C cable
- anti-static brush
- L-shaped Phillips screwdriver

- M1.5/M2/M2.5/M3 Allen wrenches
- tweezers
- lint-free cloth
- lens cover
- Type A to Type C adapter
- safety key x2
- user manual

General

Manufacturer	Creality
Model	Falcon A1 Pro
Engraving area	268 x 358 mm
Optical power	20 W
Laser source	Semiconductor laser
Product Dimensions	567 x 468 x 211 mm (product dimensions with screen installed: 685 x 468 x 211 mm)
Laser Wavelength	455-1064±5 nm
Weight	16.8 kg
Safety Class	Class 1 (FDA)
Input voltage	100-240 V~ 50-60 Hz
Output voltage	DC 24.0 V 7.5 A
Operating system	Windows/MacOS
Operating temperature	5°C-35°C
Supported file formats	Jpeg, jpg, png, bmp, svg, dxf, etc.
Supported materials	Cardboard, wood, bamboo, rubber, leather, fabric, acrylic, plastic, etc.
Laser engraving software	Falcon Design Space, LightBurn, LaserGRBL
Safety certifications	FDA, CE, ROHS, FCC, PSE

2 W infrared laser

Laser source	Semiconductor laser
Laser wavelength	1064±1 nm
Optical power	2 W
Supported materials	Gold, silver, brass, iron, aluminum, stainless steel, plastics, dark opaque materials, titanium alloy, galvanized metals, slate, ceramic washers, etc.

Power (W) [eng]: 20, GPSR Link: https://psr-assets.innpro.pl/creative_technologies/sg_creative_technologies_laser_engravers_and_cutters.pdf, Gross weight: 21760, Net weight: 16800, Box length: 64,00, Box width: 55,50, Box height: 26,00, Moc (W): 20, test: Grawerka laserowa Creality Falcon A1 Pro 20W

Techninė specifikacija

Specifications

Sandėlio grupė	Creative Technologies/Laser engravers and cutters/Devices [+31][-4]
----------------	---

Matmenys ir svoris

Matmenys (l × p × A)	64,00cm × 55,00cm × 26,00cm
----------------------	-----------------------------

Svoris	21,76kg
--------	---------