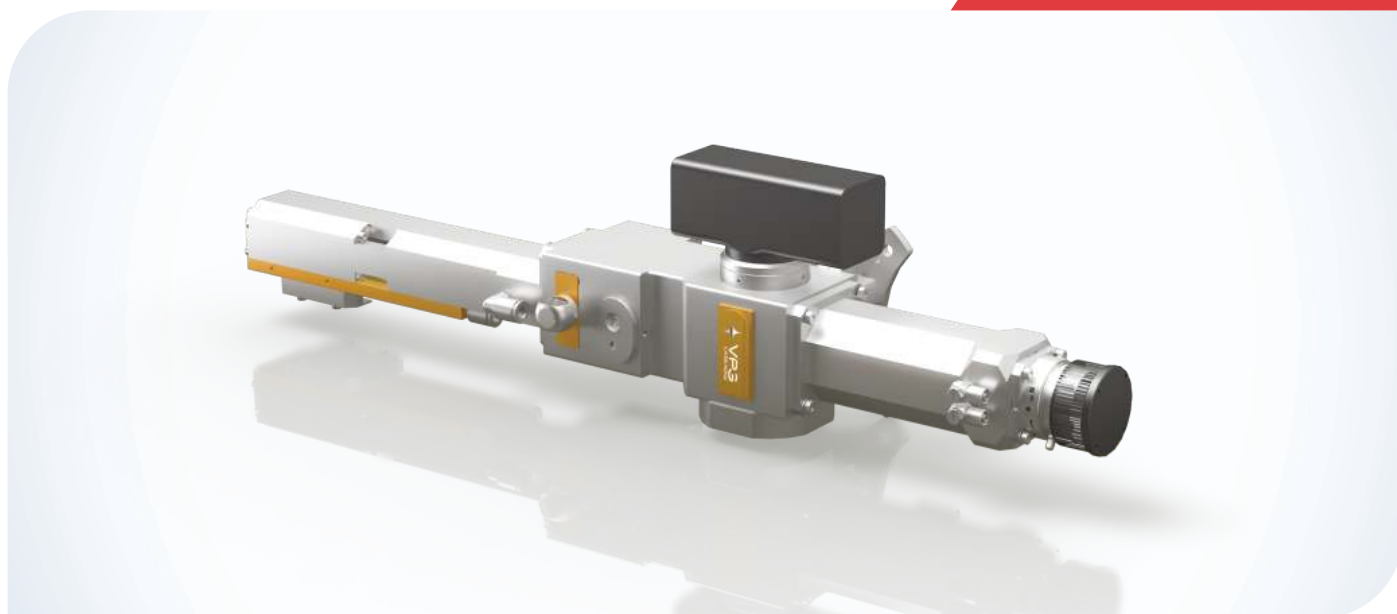




Internal thread hardening attachment

NEW PRODUCT



The optical head for hardening internal surfaces is designed to strengthen hard-to-reach areas of metal parts. The optical laser head is based on the **FLW D30** head.

The optical head for hardening internal surfaces is a versatile and reliable tool with additional protection against environmental contamination and reflected laser radiation. The maximum permissible power of the laser source is **2 kW**. The optical head is adapted to work with various materials. Its compact design and shape ensure functionality and ease of operation.



Applications

- ▶ Laser processing of internal surfaces of parts
- ▶ Surface laser hardening of carbon steels
- ▶ Modification of metal surfaces



Distinctive features

- ▶ Processing depth up to 150 mm
- ▶ Laser spot size on the processed surface up to 5 mm
- ▶ Minimum working hole diameter 70 mm
- ▶ Working power up to 2 kW
- ▶ Camera for setting the processing path

Internal thread hardening attachment

LLC VPG LaserONE provides technological support and helps to set up the hardening equipment. The attachment comes with a 2-year warranty, which can be extended. LLC VPG LaserONE guarantees a fast response to any enquiry and provides training for your service engineers and process specialists. By purchasing this equipment you get a modern technological solution for the hardening process.

Technical specifications

Working distance, mm	At least 18
Laser spot diameter on the processed surface, mm	Up to 5
Minimum working hole diameter, mm	70
Maximum processing depth, mm	Up to 150
Maximum working power, W	2000
Beam incidence angle to the normal, °	30
Cooling system	Yes
Shielding gas supply system	Yes
Powder feed system	No

+7 (496) 255-74-46
mail@vpglaserone.ru
vpglaserone.ru

Legal notice: All product information is accurate at the time of publication; the manufacturer reserves the right to introduce changes. All information contained herein is legally binding on LLC VPG LaserONE only if it has been included in the relevant sales contracts. Some product items may be unavailable. The user assumes all risks and full responsibility related to the use of the product. The logos of LLC VPG LaserONE are registered trademarks of LLC VPG LaserONE. 2025 LLC VPG LaserONE. © All rights reserved.

When you need the best

07.03.2025