



YOUR SIDEKICK FOR
LASER OPTICS DEVELOPMENT

APPLICATION-OPTIMIZED MIRRORS FOR MULTIPASS CELLS (MPC)

EPIC NEW PRODUCT RELEASE

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WHAT IS OPTOMAN?

OPTOMAN

2022 - OPTOMAN TODAY



25 sidekicks do all the magic
4 000 000 EUR revenue forecast

Mission: OPTOMAN – your sidekick for laser optics development

Vision: OPTOMAN - number one choice manufacturer for laser optics worldwide





WHAT OPTOMAN DO?

OPTOMAN

WHAT DOES OPTOMAN DO?



Highly customized and application-optimized laser optics for **high power** and **ultrafast** lasers with **ultrafast** turnaround.

CONCENTRATION

Single manufacturing
technology

**Ion-Beam Sputtering
(IBS)**



ANNOUNCEMENT

The latest Optoman family member. Wanda!

The third IBS machine is here

"You break the rules and you become a hero."

Wanda Maximoff

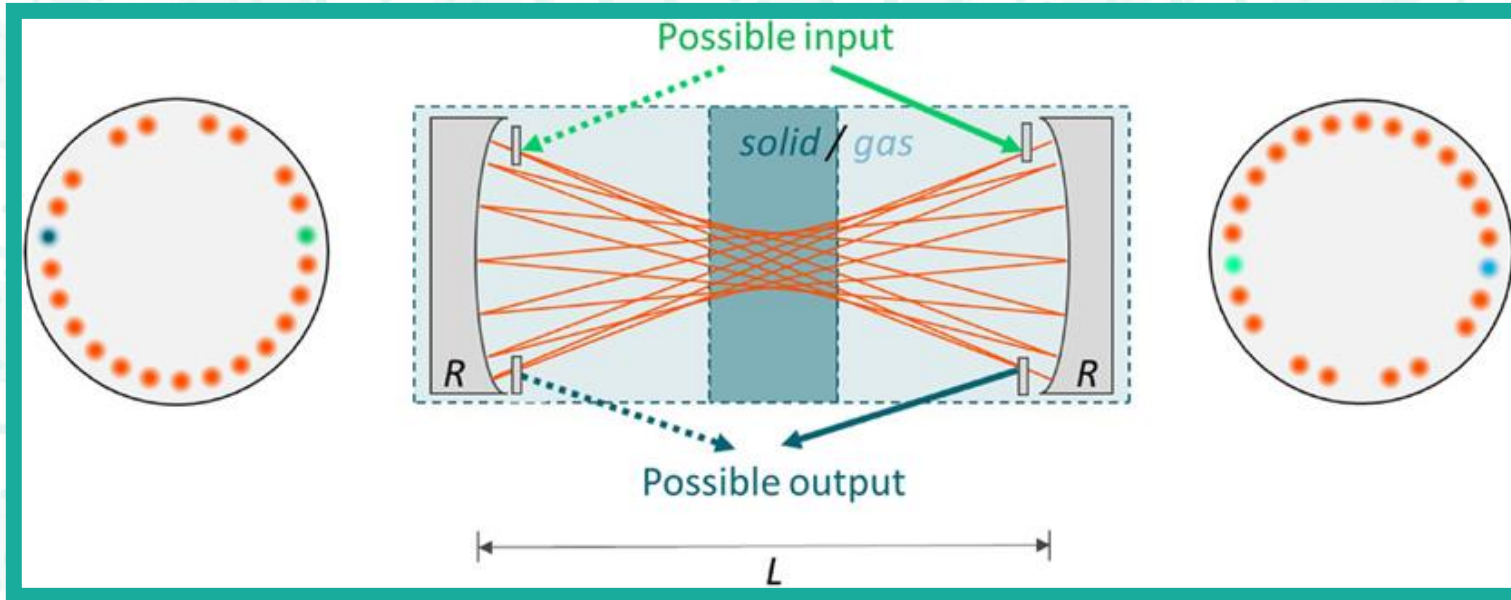
OPT^{TV}MAN



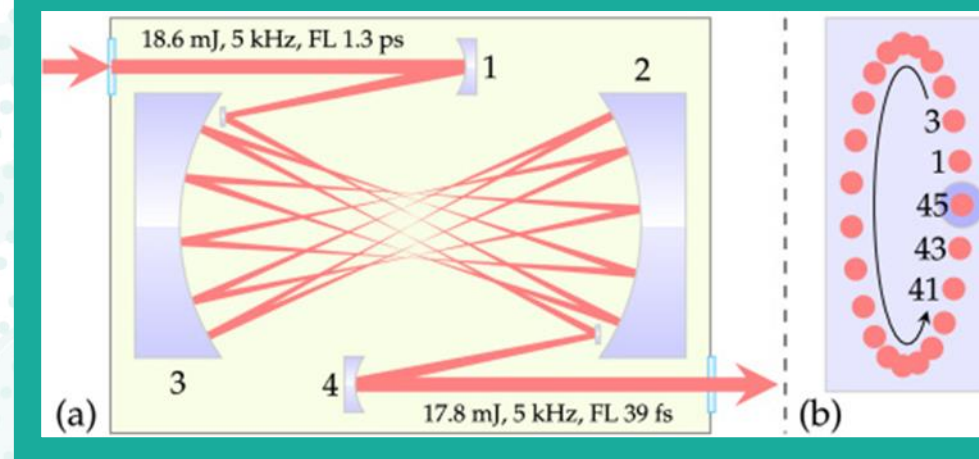
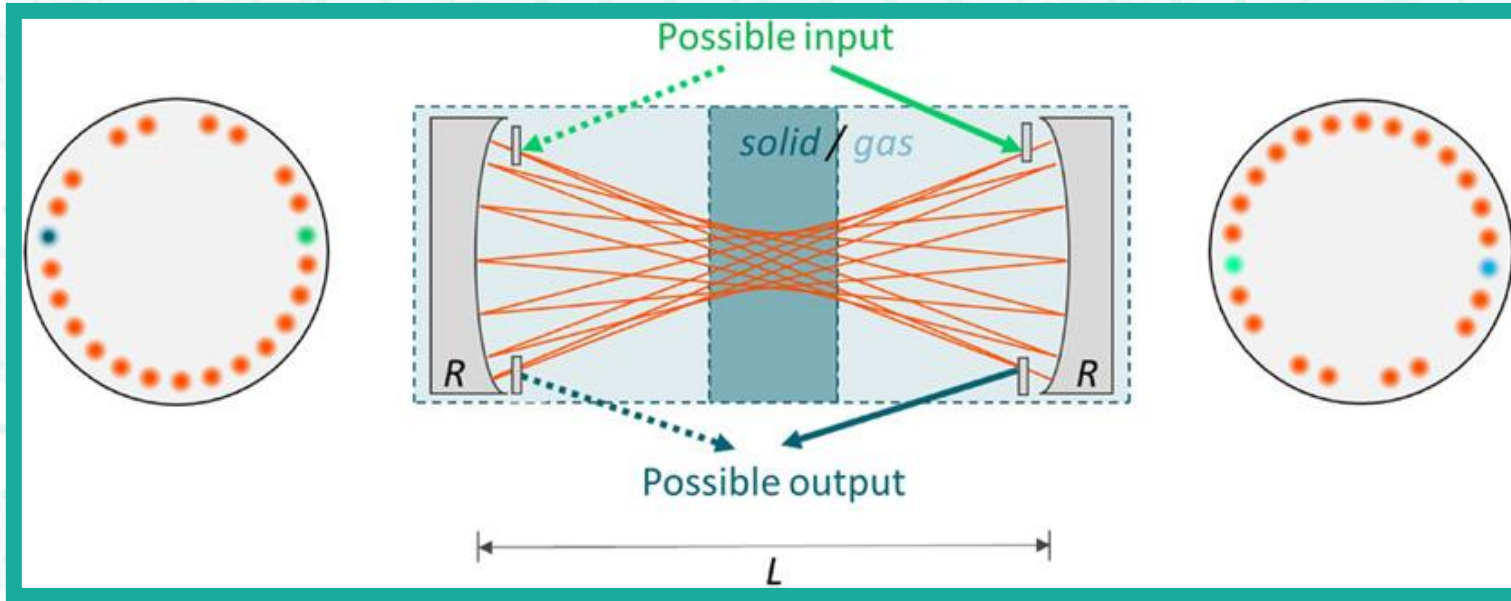


MIRRORS FOR MULTIPASS CELLS (MPC)

WHAT IS MPC?



WHAT IS MPC?



WHAT IS A GOOD MPC MIRROR?

- 1. BROADBAND***
- 2. HIGH REFLECTION AND LIDT***
- 3. CONTROLLED DISPERSION (LOW OR SLIGHTLY NEGATIVE GDD)***

WHAT WE HAVE TO OFFER?

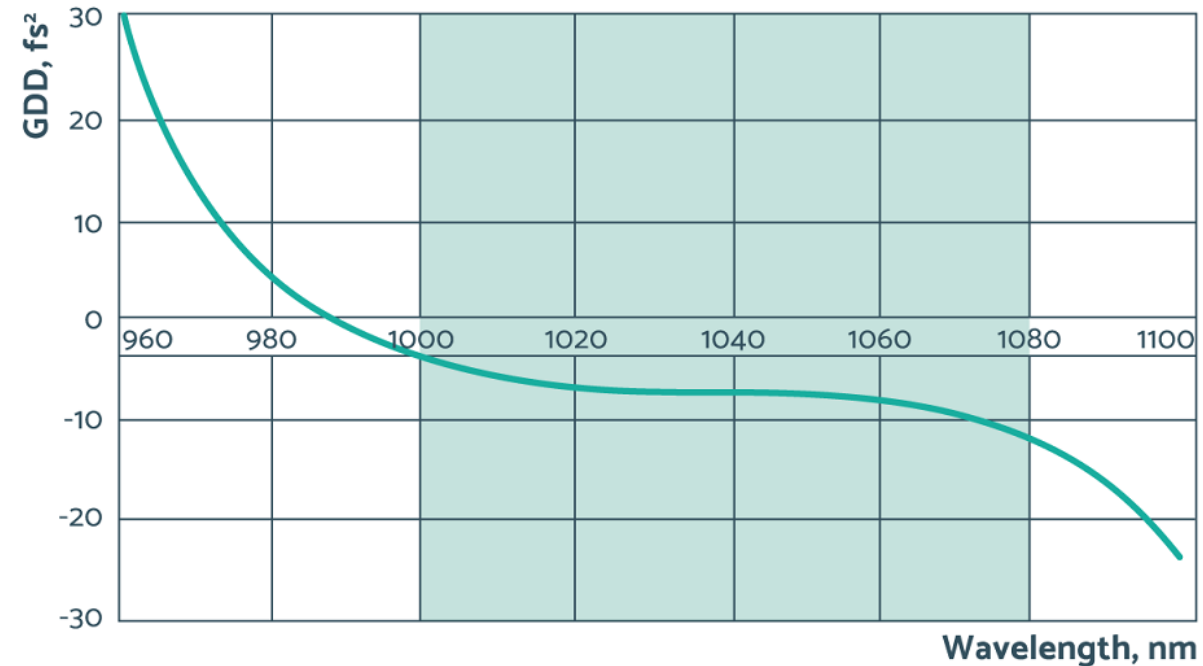
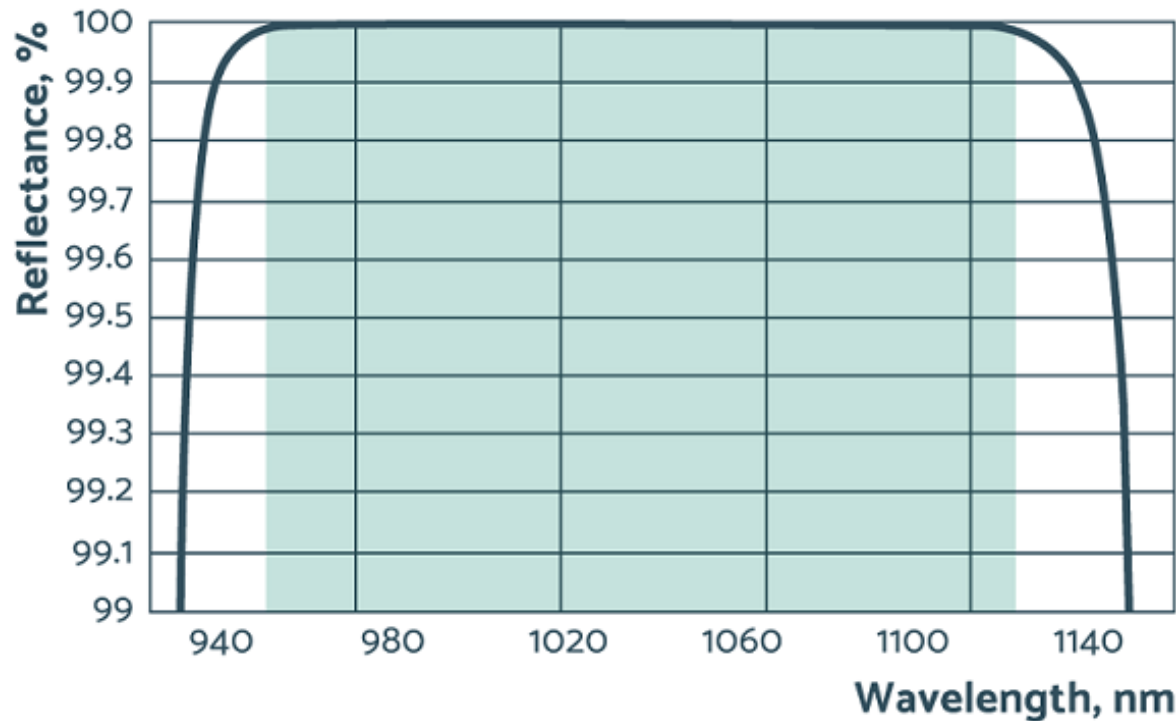
$R > 99.99\%$

LIDT $> 1 \text{ J/cm}^2$, 1030 nm, 500 fs, 10 kHz.

Absorption $< 1 \text{ ppm}$

Bandwidth up to 200 nm @ 1030 nm

GDD=0 ± 100 per 170 nm; GDD ± 50 per 150 nm; GDD = 0 ± 20 per 110 nm



WHAT'S NEXT?

- 1. BROADER λ 300NM**
- 2. REFLECTION λ 99.99%**
- 3. IGDDI $\leq 20 \text{ FS}^2$ @200NM (NIR)**

OPTOMAN

YOUR SIDEKICK FOR
LASER OPTICS DEVELOPMENT

BUILD YOUR LASER WITH OPTOMAN!

