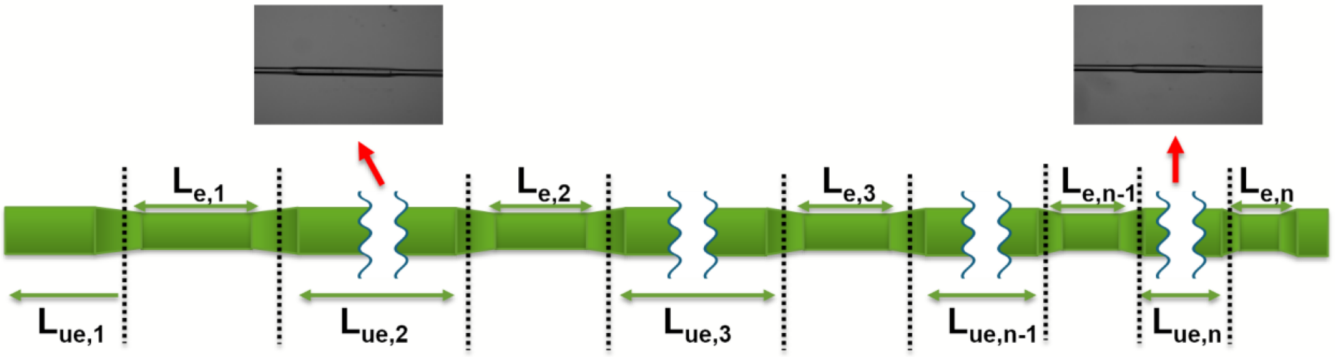
# CLADDING POWER STRIPPER

A cladding power stripper (CPS) is an essential device for high-power laser oscillators and amplifiers that utilize LMA double-clad fibers (DCF). Our CPS is engineered to strip excess pump light from the fiber cladding, safeguarding the optical system and ensuring superior beam quality.

Our US-patented chemical etching technologies and structures allow for a unique design that properly adjusts the lengths of etched and unetched sections. This innovative approach effectively suppresses backward beam scattering while ensuring uniform temperature distribution across the device, preventing localized heating and associated damage.




## KEY FEATURES

**High Power Operation**: Engineered for robust performance in high-power applications.

**Minimal Insertion Loss**: Preserves optical power, crucial for system efficiency.

**Suppressed Backscattering**: Designed to eliminate light backscattering, preventing localized heating.

**Chemical Etching Process**: Fabricated using a non-HF-based chemical etching process for a safer production environment.

**Environmentally Sound**: Ensures manufacturing safety by avoiding hazardous HF chemicals.

## APPLICATIONS

High Power Lasers
High Power Fiber Amplifiers

## SPECIFICATIONS

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|---|---|
| **Pump Wavelength (nm)*** | 790, 808, 830, 915, 950, 975, 980, 1550 |
| **Signal Wavelength (nm)*** | 1030, 1064, 1550, 1750, 1900, 1950, 2000 |
| **Optical Fiber Type**** | 10/125 DCF, 20/250 DCF, 20/400 DCF (Nufern) |
| **Stripping Pump Power (W)** | 20, 50, 100, 150 |
| **Pump Stripping Efficiency (%)** | > 98 |
| **Signal Insertion Loss (dB)** | < 0.3 |
| **Backscattering Level (%)** | < 0.15 |
| **Operating Temperature (°C)** | -5 to +60 |
| **Storage Temperature (°C)** | -40 to +85 |
| **Fiber Birefringence** | Polarization Maintaining (PM) or Non-PM |
| **Pigtail Length (m)** | 0.5, 1, 1.5, 2 |

* Custom wavelengths available upon request.
** We also support other manufacturers like Exail, Coreactive, etc.

## CONTACT

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