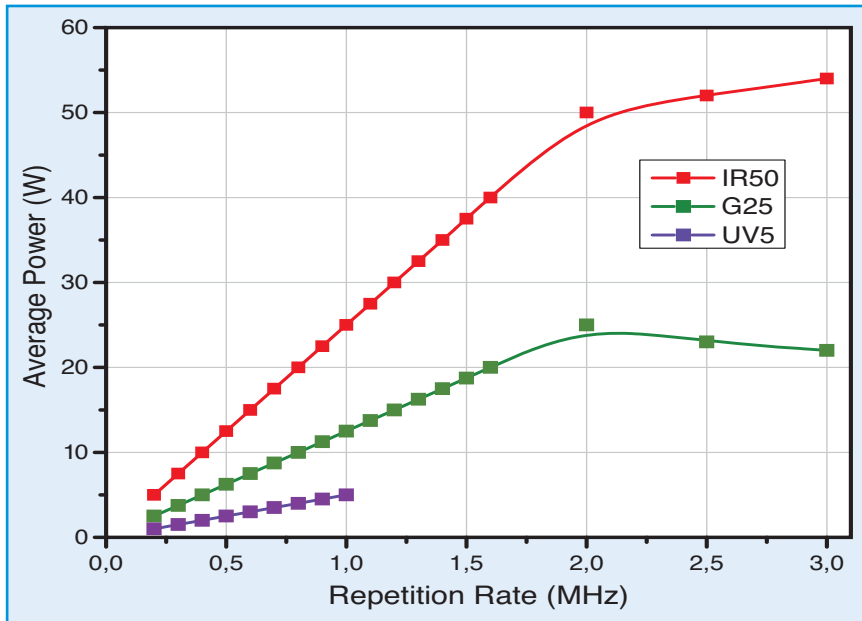


# CHINOOK



**IR & GREEN** **ONE PICOSECOND**  
**HIGH POWER FIBER LASER**

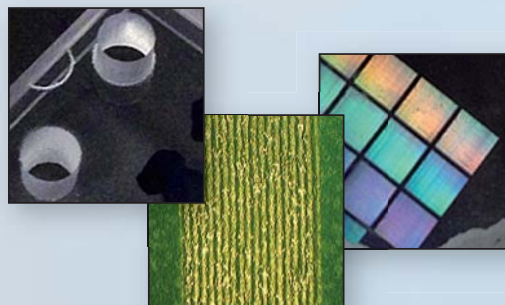


## Key Features

|                               |                                       |                   |
|-------------------------------|---------------------------------------|-------------------|
| High Power                    | up to 50 W                            | at <b>1030 nm</b> |
|                               | up to 25 W                            | at <b>515 nm</b>  |
|                               | up to 5 W                             | at <b>343 nm</b>  |
| Short pulse duration          | < 1 ps                                |                   |
| Very high peak power          | up to 20 MW peak power at 1030 nm     |                   |
| Excellent beam quality        | $M^2 < 1.2$ over full repetition rate |                   |
| Superior power stability      | 2% over 8 hours                       |                   |
| Burst mode operation          |                                       |                   |
| High speed scanning interface |                                       |                   |

## Applications

- Cold ablation
- Brittle material processing
- Surface texturing
- High speed industrial ablation



# CHINOOK

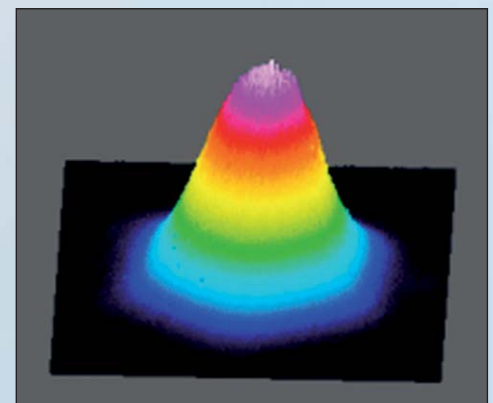
**IR & GREEN ONE PICOSECOND**  
**HIGH POWER FIBER LASER**

| IR 1030 nm           | IR50                   |
|----------------------|------------------------|
| Max average power    | 50 W                   |
| Max energy per pulse | 25 $\mu$ J up to 2 MHz |
| Pulse width          | < 1 ps                 |
| Repetition rate      | Single shot to 3 MHz   |

| Green 515 nm         | G25                    |
|----------------------|------------------------|
| Max average power    | 25 W                   |
| Max energy per pulse | 12 $\mu$ J up to 2 MHz |
| Pulse width          | < 1 ps                 |
| Repetition rate      | Single shot to 3 MHz   |

| UV 343 nm            | UV5                   |
|----------------------|-----------------------|
| Max average power    | 5 W                   |
| Max energy per pulse | 5 $\mu$ J up to 1 MHz |
| Pulse width          | < 1 ps                |
| Repetition rate      | Single shot to 1 MHz  |

| Laser characteristics        | All models                                 |
|------------------------------|--|
| Laserhead size and Weight    | 1084 x 250 x 150 mm and 50 kg              |
| Power supply size and Weight | 19 inch 6U rack - 483x266x605 mm and 33 kg |
| Beam quality                 | $M^2 < 1.2$ for all repetition rate        |
| Polarization                 | Linear > 99 %                              |
| Power stability              | < 2 % RMS over 8 hours                     |
| Pulse to pulse stability     | < 3 % RMS (1 $\sigma$ )                    |
| Beam stability               | < 5 % beam divergence RMS (1 $\sigma$ )    |



Beam profile  $M^2 < 1.2$

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Specifications are subject  
to change without notice.

