

Laser Expert in Singapore

Apirl 2013 Newsletter

www.SintecOptronics.com

Quality of Excellence, presented by Sintec Optronics

1. Pico- & Femto-Second Lasers

STGS series PM Pico-second Pulsed Fiber Lasers

Features:

- Gain-switching seed laesr
- All-fiber system
- 5W @ 1064nm and 500kHz
- Repetition rate: 50-500kHz
- Single pulse energy up to 10uJ
- Beam quality M2<1.3
- Cost effective

Applications:

High performance makes this laser suitable for:

- LED wafer scribing
- Ultrafast material processing.

STOF-PL Series Laser Diode System



Features:

- High pulse quality no satellite pulse and minimized pulse tail
- Variable pulse repetition rate single shot to 100 MHz
- Pulse on demand
- Wavelengths from 375 2000 nm
- High repeatability and 24/7 operation
- Compact, dust-sealed OEM package
- External and internal trigger
- Simple user interface
- Plug & play
- Air cooled
- Remote control

Maintenance free - no user-serviceable parts inside or outside laser

STOF-GK series Pico-second Lasers



Features:

- Pedestal-free high quality pulses
- Clean and narrow optical spectrum -
- Very low amplitude and phase noise
- No amplifier built in no ASE noise
- Diffraction limited beam
- High repeatability and 24/7 operation
- Plug & play

- Compact, dust-sealed OEM package
 - Passively air cooled no water cooling
- Low power consumption
- Remote control
- One-button operation no adjustment knobs or screws
- Maintenance free no userserviceable parts inside or outside

STOF-GK series High Power Pico-second Lasers



Features:

- Pedestal-free high quality pulses
- Clean optical spectrum no spectral ripple
- Low amplitude and phase noise
- No amplifier built in no ASE noise
- High repeatability and 24/7 operation
- Compact, dust-sealed OEM package
- Plug & play

- Lightweight mountable in any orientation
- Low power consumption
- Remote control
- One-button operation no adjustment knobs or screws
- Maintenance free no userserviceable parts inside or outside laser

STOF-KT Series Pico-second Lasers



Features:

- Variable pulse repetition rate
- Pulse on demand trigger input
- High pulse quality
- Narrow optical spectrum
- High repeatability and 24/7 operation
- Compact, dust-sealed OEM package
- Lightweight mountable in any direction

- Air cooled no water cooling
- Low power consumption
- Remote control
- Plug & play one-button operation no adjustment knobs or screws
- Maintenance free no userserviceable parts inside or outside laser

STOF-KT Series High Power Pico-second Lasers



Features:

- Variable pulse repetition rate
- Pulse on demand / burst mode
- High pulse quality
- Narrow optical spectrum
- High repeatability and 24/7 operation
- Compact, dust-sealed OEM package
- Air cooled
- Remote control
- Plug & play one-button operation no adjustment knobs or screws
- Maintenance free no userserviceable parts inside or outside laser

STOF-KT Series High Energy Pico-second Lasers

- - Variable pulse repetition rate
 - Trigger input
 - Diffraction limited beam
 - Narrow optical spectrum
 - No ASE background
 - High repeatability and 24/7 operation
 - Lightweight mountable in any direction

- Compact, dust-sealed OEM package
- Complete remote control
- Plug & play one-button operation no adjustment knobs or screws
- Maintenance free no userserviceable parts inside or outside laser

STOF-OG Series Femto-second Lasers



Features:

- Excellent pulse quality pedestal-free transform-limited soliton pulses
- Clean sech2-shaped optical spectrum
- No Kelly-sidebands no spectral ripple
- Diffraction-limited beam quality
- Lowest phase noise and timing jitter available on market
- Shot noise limited relative intensity
- No amplifier built in no ASE noise

- High repeatability and 24/7 operation
- Compact, dust-sealed OEM package
- Plug & play
- Passively air cooled no water cooling
- Low power consumption
- Remote control
- One-button operation no adjustment knobs or screws
- Maintenance free no userserviceable parts inside or outside

STOF-OG Series High Power Femto-second Lasers



Features:

- Excellent pulse quality pedestal-free transform-limited soliton pulses
- Clean sech2-shaped optical spectrum
- No Kelly-sidebands no spectral ripple
- Diffraction-limited beam quality
- Low amplitude and phase noise No amplifier built in - no ASE noise
- High repeatability and 24/7 operation
- Compact, dust-sealed OEM package
- Plug & play
- Air cooled no water cooling
- Low power consumption
- Remote control
- One-button operation no adjustment knobs or screws
- Maintenance free no userserviceable parts inside or outside

STOF-OG Series High Energy Femto-second Lasers



Features:

- Excellent pulse quality
- Close to diffraction-limited beam quality
- Low ASE background
- Burst mode
- Variable repetition rate
- Variable pulse energy
- High repeatability and 24/7 operation
- Complete remote control / user interface

- One-button operation
- Plug & play no installation required
- Compact, dust-sealed OEM package
- Lightweight mountable in any direction
- Low power consumption
- Closed-loop chiller included
- Maintenance free no userserviceable parts inside or outside laser

2. Special Offer:

- Galvo 6880 @\$745.
- lamp ST9762 @\$170,
- Q-switch QS041-10G-IN2 @\$520,
- f-theta lens STSL-10.6-175-249 @\$280,
- And more http://www.SintecOptronics.com/SpecialOffer.asp

Sintec Optronics is participating the laser fairs, please come and talk to us about how our design and manufacturing expertise can work for you.

- -Laser World of Photonics, Munich Germany, 13-16 May 2013, Booth No. C1.608/3
- -MetalTech Malaysia 2013, Kuala Lumpur Malaysia, 21-25 May 2013, Booth No. 3343
- -Laser World of Photonics, Mumbai India, 12-14 November 2013, Booth No.E05 Hall No.6

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