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# APPLICATION QUESTIONAIRE

***Dear Valued Customer,***

***Thank you for your inquiry.***

***So we can serve you better please fill out the form below and return by email or FAX. Fill out as much as possible within the appropriate sections, letting us know pertinent facts about your laser and intended application.***

## *LASER DETAILS*

Wavelength _____ nm (fixed)
Wavelength variable between _____ nm and _____nm
Beam diameter _____ mm
**CW** _____ Watts
**Pulsed** _____ mj or Joule per pulse
_____ Pulsewidth
_____ Rep rate KHz or MHz
_____ Mode Locked, Frequency _____MHz
_____ Q-Switched
_____ Long Pulse
_____ ML/Q-Switched Frequency _____ MHz

***Please note any other pertinent details of the laser (include make and model, etc.) below:***

## *MODULATION DETAILS (Transverse Modulators)*

**Phase** _____ or **Amplitude** _____
1st order side band level _____ or _____ Radian shift
Frequency: fixed @ _____ KHz or MHz
Frequency: variable from _____ KHz or MHz to _____ KHz or MHz
Desired modulator aperture: _____ mm
Output risetime nsec: _____ min _____ max
Output falltime nsec: _____ min _____ max
Bandwidth (if applicable) _____ Hz (minimum) to _____ Hz (maximum)
Pulsewidth fixed @ _____ sec
Pulse width variable from _____ sec (minimum) to _____ sec (maximum)

## ***POCKELS CELL DETAILS*** *(Longitudinal Modulators)*

*Pockels cell use:*
Q-switching _____, Cavity dumping _____,
Pulse picking_____, OPO_____,Re-Gen _____
Other: _____
*Intended Pockels Cell operation*:
Quarterwave_____, Halfwave_____
Wavelength(s): _____ nm
Rep-rate: _____ Hz
Duty cycle (Time ON, Time OFF) _____(ON);_____(OFF)
Intracavity _____, Extracavity_____
Power/energy level at Pockels cell _____, Beam diameter @ Pockels Cell: _____mm

## ***NON-LINEAR CRYSTALS*** *(NLO)*

Wavelength of laser fundamental laser: _____nm
Second harmonic Generator (**SHG**): _____nm
Third Harmonic Generator (**THG**): _____nm
Fourth Harmonic Generator (**FHG**): _____nm
Beam diameter at: **FUND**: _____mm
**SHG**: _____mm
**THG**: _____mm
**FHG**: _____mm
Fundamental Beam Power average: (**Pin**): _____**W** *or* Energy (**Ein**): _____**J**
Fundamental Beam Power peak : (**Pin**): _____**W** *or* Energy (**Ein**): _____**J**

**Thank You,**

**Your Sales and Application Team at**

**Quantum Technology, Inc.**