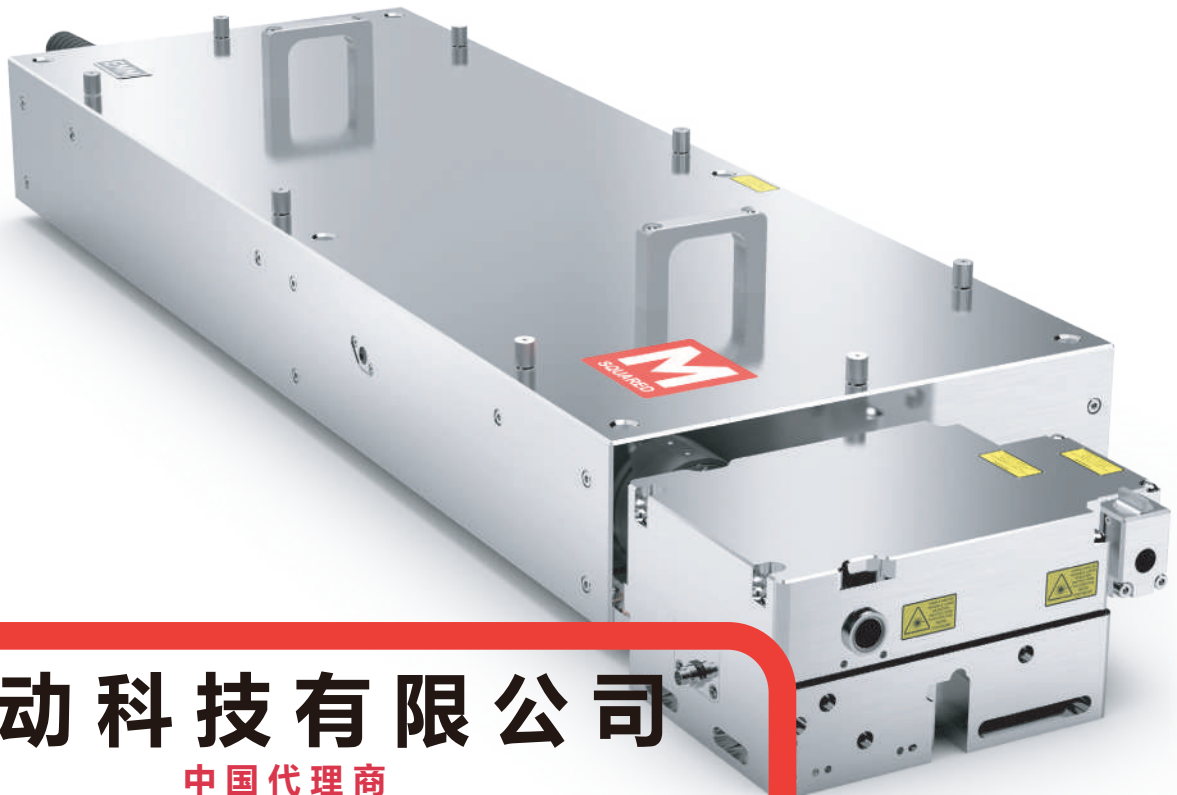


CW Tunable UV Visible IR

UV & VISIBLE FREQUENCY
MIXING MODULE

脉动科技有限公司

中国代理商

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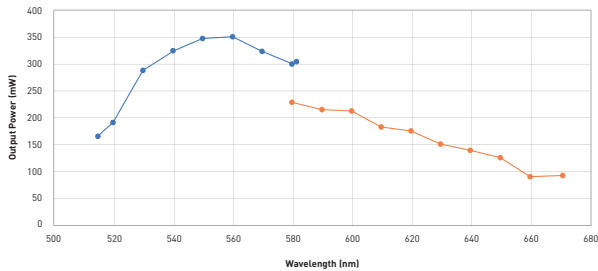
SolsTiS EMM is an external mixing module that offers fully automated tuning in the visible and IR with further extension options into the UV.

FEATURES

- **LOW AMPLITUDE NOISE**
SolsTiS EMM is the natural successor to out-dated and hazardous dye laser technology, offering a completely automated and low noise alternative.
- **LONG TERM POWER STABILITY**
No power degradation over time.
- **EASY TO CONTROL**
An easy to use web interface controls fine wavelength tuning (automatic tracking of fundamental frequency scans) and locking. Alternatively, you can use a published set of TCP/IP controls for third party applications such as LabVIEW and MATLAB.
- **SAFE TO USE**
Solid-state solution for wavelength tuning in the visible – no toxic dyes.
- **SINGLE OPTICS SET**
No need to change optics (internal or external) – a single optics set for the Ti:Sapphire fundamental range.



EMM-1950 TUNING CURVE



GRAPH A

DFG-532 TUNING CURVE



GRAPH B

SPECIFICATIONS

SOLSTIS EMM-532

CONVERSION EFFICIENCY	> 1% of the product of the input powers
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EXAMPLE SPECIFICATION	Input 1: 2 W @ 822 nm Sum frequency: > 100 mW @ 323 nm
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CONTINUOUS SCAN RANGE	>25GHz
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TUNING RANGE

OPTICS	Input 1: 670-1050 nm Input 2: 532 nm
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SUM FREQUENCY	300-350 nm
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CRYSTALS	± 5 nm at centre of operation
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FREQUENCY AND INTENSITY NOISE

LINEWIDTH OF LASER AT 532 nm	DPSS: <5MHz
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INTENSITY NOISE OF LASER AT 532 nm	DPSS: <0.2%RMS
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SOLSTIS EMM-1550 AND EMM-1950

MODEL	WAVELENGTH	POWER
EMM-1550	500-540 nm	>0.5 W
	540-580 nm	>0.4 W
	580-600 nm	>0.2 W
EMM-1950	515-670 nm	See Tuning Curve Graph A
DFG-532	1100-2200 nm	See Tuning Curve Graph B

TUNING RANGE

MODEL	OPTICS	CRYSTALS
EMM-1550	500-600 nm	500-533 nm
		527-565 nm
		533-600 nm
EMM-1950	515-661 nm	515-582 nm
		582-661 nm
DFG-532	1100-2200 nm	1100-1650 nm 1650-2200 nm

SCAN RANGE	> 25 GHz
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INTENSITY NOISE	< 0.25% RMS integrating over range, 10 Hz-10 MHz
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SOLSTIS EXTENSIONS



CW Tunable NIR

SOLSTIS

A step-change in continuous-wave Ti:Sapphire laser technology - compact, ultra-narrow linewidth, fully automated and widely tunable.



CW Tunable UV Visible

SOLSTIS ECD-X

A compact frequency conversion module that extends the range of SolsTiS output wavelengths via frequency doubling in a resonant cavity with optimised conversion efficiency.



CW Tunable UV

SOLSTIS ECD-X-Q

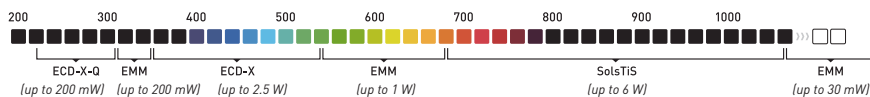
A compact frequency quadrupling module that extends the range of SolsTiS output wavelengths to produce narrow linewidth, tunable output in the ultraviolet.



CW

EQUINOX

A single frequency CW 532 nm laser up to 18W. It's inherently stable, reliable, low noise and narrow linewidth.



CONTACT US

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