

# Mianna-Pico

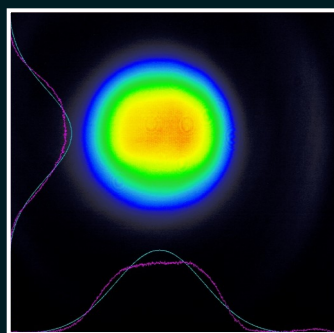
## --- Picosecond Medical-oriented OEM Laser



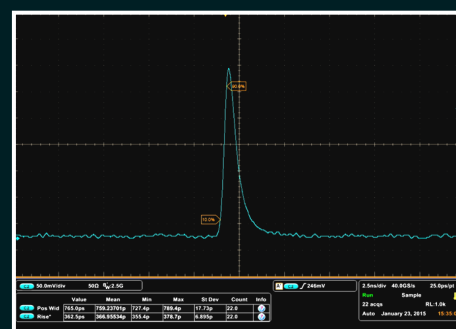
With the cutting edge ultrafast technology, Mianna-Pico's pulse duration is 10 times shorter than traditional Q-switched Nd:YAG laser. This allows Mianna-Pico has higher peak power to break up tattoo ink much more effectively without previous adverse effect like bleeding. Mianna-Pico enables removal of previously untreated multi-colored tattoos, tattoos recalcitrant to treatment and benign pigmented lesions on any skin type.

### Features

- Pulse duration short to 700 ps
- Perfect flat-top beam distribution
- Dual wavelengths 1064 nm & 532 nm to cover most tattoo colors
- Patent design with compact size
- Hardened design for high reliability



Output Beam Profile



Temporal Profile

### Beamtech Optronics Co.,Ltd.

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## Specifications

Model	Mianna-Pico	Mianna-Q		
		1 J	1.2 J	Extra
Repetition Rate (Hz):	1- 10	1-10	1-10	1-10
Pulse Energy (mJ)				
1064 nm	$\geq 250$	$\geq 1000$	$\geq 1200$	$\geq 2000$
532 nm	$\geq 125$	$\geq 400$	$\geq 450$	$\geq 600$
Max. Power (W)	$\geq 2.5$	$\geq 10$	$\geq 12$	$\geq 20$
Energy Stability:				
1064 nm	$\leq 1\%$	$\leq 1\%$	$\leq 1\%$	$\leq 1\%$
532 nm	$\leq 2\%$	$\leq 2\%$	$\leq 2\%$	$\leq 2\%$
Pulse Duration:				
1064 nm	$\leq 750$ ps	$\leq 8$ ns	$\leq 8$ ns	$\leq 8$ ns
532 nm	$\leq 750$ ps	$\leq 7$ ns	$\leq 7$ ns	$\leq 7$ ns
Divergence (mrad) 1064 nm	$\sim 3$	$\sim 3$	$\sim 3$	$\sim 3$
Beam Diameter (mm)	$\sim 12$	$\sim 8$	$\sim 8$	$\sim 12$
Spatial Mode Profile:	Gaussian	Top-Heat	Top-Heat	Top-Heat
Accessories (Optional):	Reflect mount	Reflect mount; Smoothing Lens		

## Applications

- Medical OEM: Tattoo
- Medical OEM: Pigmented lesions treatment

