Pulse-width Tuning Settings for JPT-M Series Laser Using JCZ

1、 YDFLP-M1+ has 11 preset pulse-widths to be selected (discontinuous)：

6ns、9ns、20ns、30ns、45ns、60ns、80ns、100ns、150ns、200ns、250ns

Pulse repetition frequency (PRF) tuning range (continuously tunable)：1KHz～1000kHz

YDFLP-M6+has 16 preset pulse-widths to be selected (discontinuous)：

1ns、2ns、4ns、6ns、9ns、13ns、20ns、30ns、45ns、55ns、60ns、80ns、100ns、150ns、200ns、250ns

PRF tuning range (continuously tunable)：1 kHz～1000kHz

2、 Pulse-width Settings in JCZ

(1) Install marking control card with adjustable pulse width like *JCZ, LMC and FIBER* and corresponding softwares supporting *version 2.6 or higher*.
Note: *V1* marking control card cannot adjust pulse width;
V2 marking control card can adjust pulse width;
PCI marking control card cannot adjust pulse width.

(2) After successful installation, click the JCZ marking software icon *EzCad2,* as shown in Figure 1:
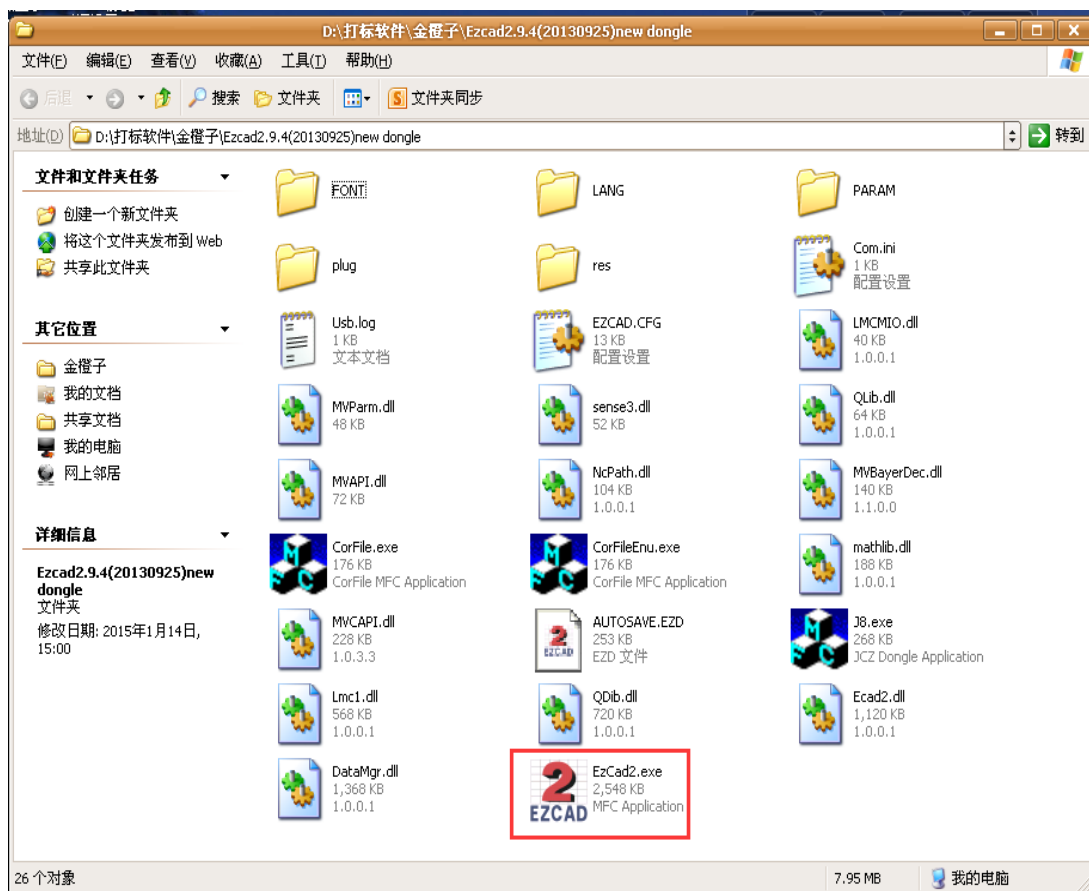

Figure 1

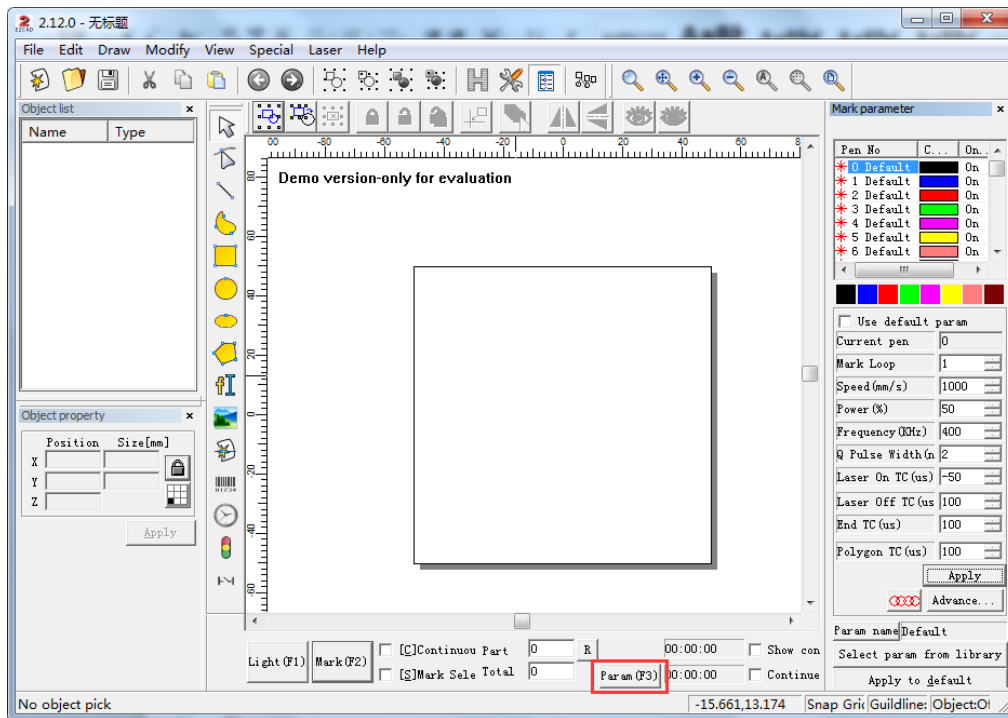(3) Open JCZ and enter the main interface, find *Param (F3)* below the main interface, as shown in Figure 2.

Figure 2

(4) Click *Param (F3)* and select *Configuration Parameters*, as shown in Figure 3.
Enter *Laser Control* property page. Select *Fiber* for *Laser Type* and *IPG_YLPM* for *Fiber Serial*, check *Enable Pulse Width*, and click *confirm*.
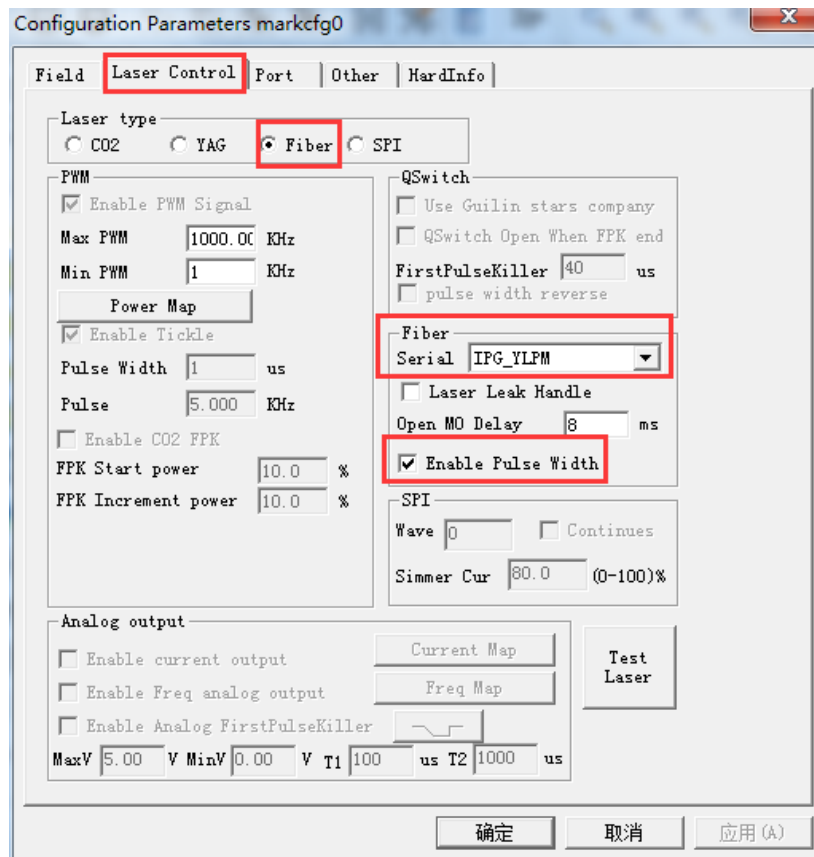

Figure 3

(5) Back to the main interface. Uncheck *Use Default param* and adjust pilse width of YDFLP-M Series Laser *in Q Pulse Width*, as shown in Figure 4.
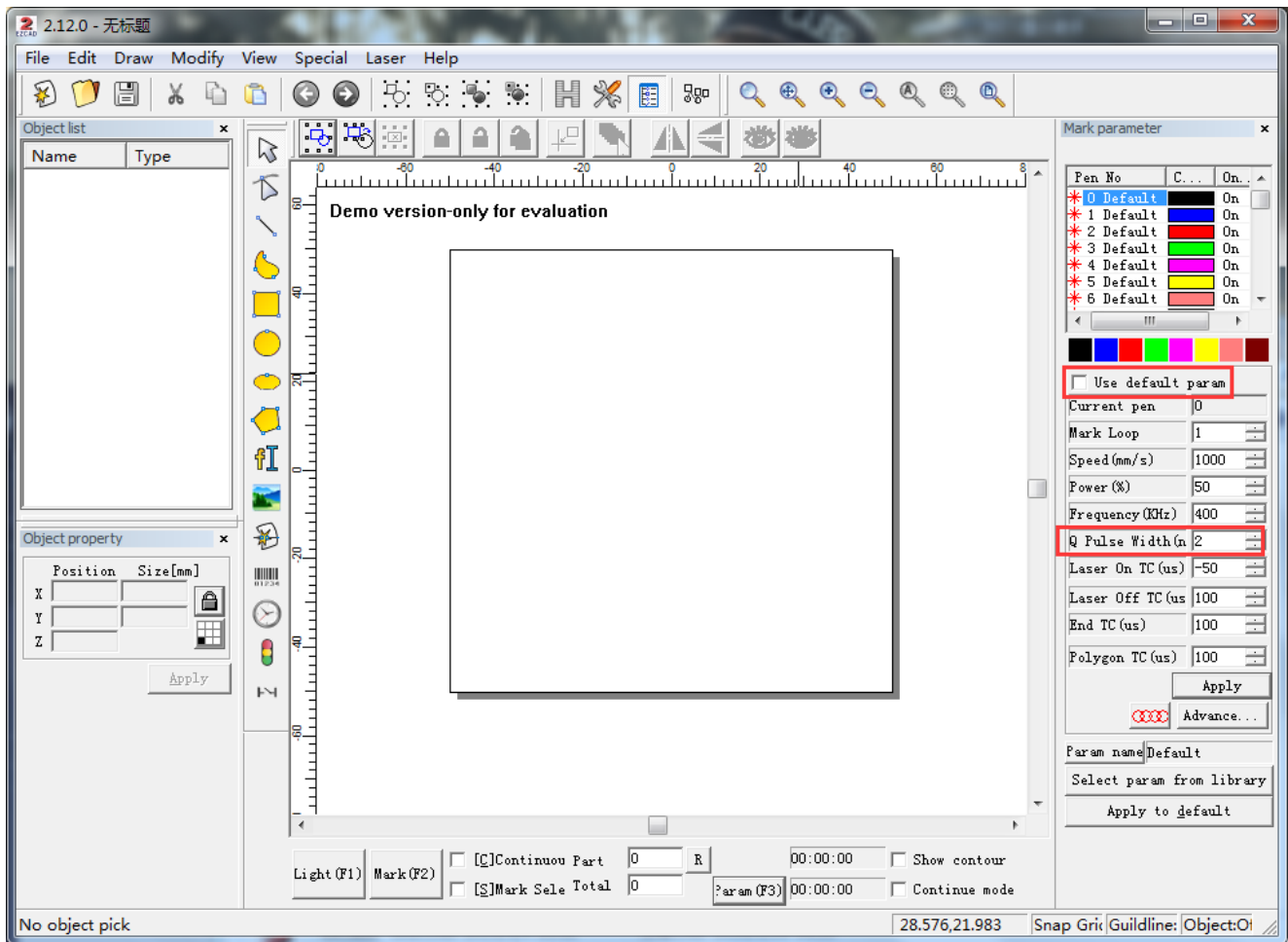

Figure 4

3、 PRF tuning range settings in JCZ

Click *Param (F3)* and select *Configuration Parameters> Laser Control*, as shown in Figure 5. Set the desired maximum and minimum *PWM* (within the specified tuning range for the fiber laser model).
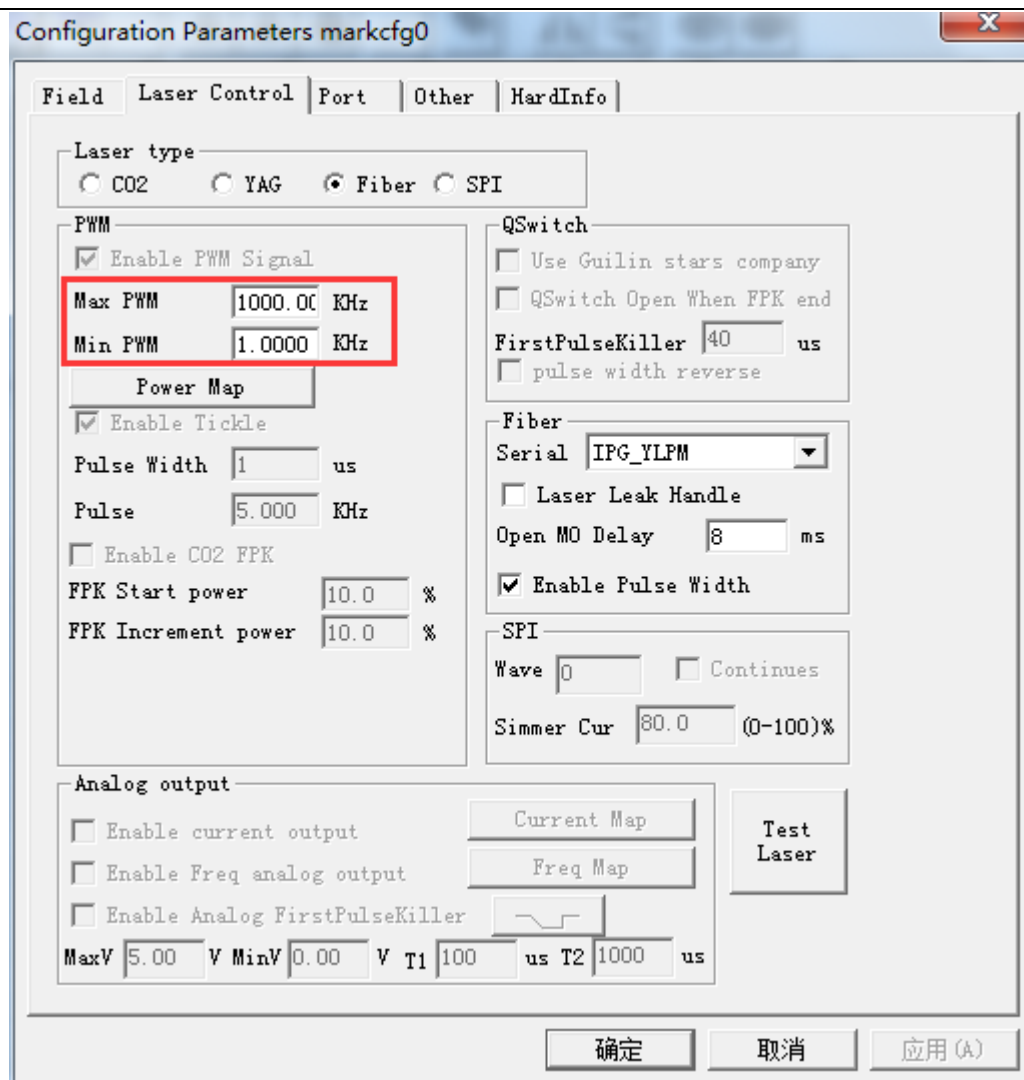
Figure 5

Note：For YDFLP-M1+ and YDFLP-M6+, the PWM range is from 1 KHz to1000 KHz.