

## Overview:

Optical Pulse Machines (OPM) offers laser pulsers to serve 3D vision applications that require short pulse-width and high power pulses

Our optical pulse generators offer:

- Pulse-width down to 50ps for resolution in the millimeters range
- Peak power up to 1W (with no amplification) and hundreds of Watts (amplified)
- Repetition rate up to over 100MHz
- ANYPULSE technology (patent pending); optical pulse shaping in a nano-second resolution
- Complex patterns and modulations
- Integrated laser diodes, cooled or uncooled, with large selection of wavelengths

OEM modules or Bench-top units are available

## Applications / Markets:

- 3D gesture recognition
- Robotics
- Computer games
- Security systems
- Vehicle safety systems and autonomous navigation
- Time of flight cameras (ToF) testing
- Simulators for Laser-Range-Finders and LIDARs
- Seeders for pulsed fiber-lasers

Please check our web site for more details:

[www.opticalpulsemachines.com](http://www.opticalpulsemachines.com)

## OPM-LDa seeder/pulsar module



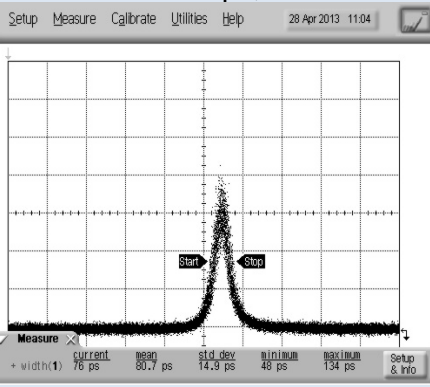
## OPM-LD-ps (pulse shaping) module



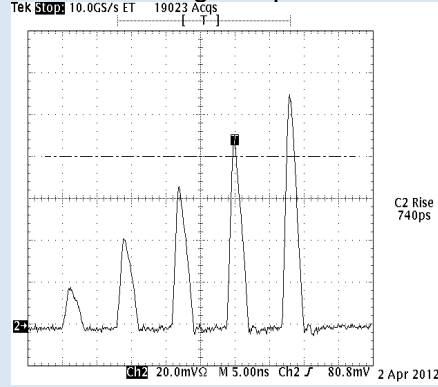
## Pulse shaping Bench-top unit



## Pulse-width 80ps, f = 80MHz



## Growing 2ns pulses



## Pulse-width 20ns, Tr=0.5ns

