





SWISS MADE



The Genki XP platform pushes industrialization of high energy and high power **picosecond** lasers further. The system is based on the ultrastable Genki seed laser and provides clean pulses shorter than **10 ps**, which is an optimal pulse duration window for many micromachining applications. To satisfy the increasing demand of picosecond laser workstations, the Genki XP has been optimized to provide up to **100 W** of average power and **300 \mu J** pulse energy at the industry-standard wavelengths of **1030 and 1064 nm**. The laser can be tailored to work at lower repetition rates with even higher energies or at several MHz to follow high-speed automated processes. The Genki XP has been designed for the easiest and most cost-effective possible system integration can be mounted in any direction and offers full remote control capability.

### **OPTIONS:**

- + Green 532 nm
- + UVA 355 nm
- + UVC 266 nm
- + Synchronization to external clock

### **MAIN APPLICATIONS:**

- + Material processing
- + Glass and sapphire cutting
- + Plasma generation
- + Nonlinear optics

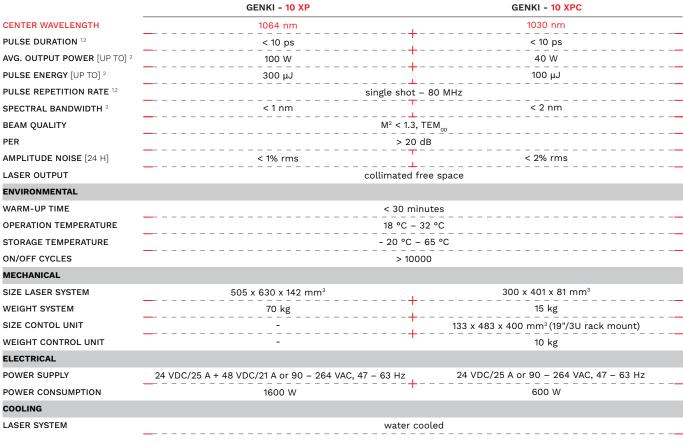
### **OUTSTANDING FEATURES:**

- + Pulse energy up to 300  $\mu J$
- + High pulse quality
- + Narrow spectral width
- + Excellent energy and pointing stability
- + Mountable in any direction
- + Maintenance free no alignment required
- + Complete remote control
- + Burst mode
- + 24/7 operation



Specifications subject to change without notice, May 2017

ISO 9001 : 2008 ISO 13485 : 2012





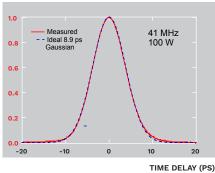




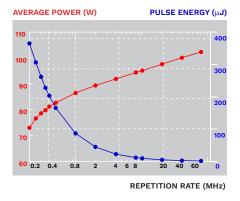


#### **PULSE PROFILE**

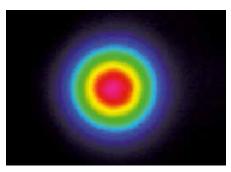
# **AUTOCORRELATION SIGNAL**



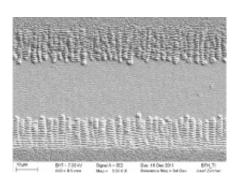
## **OUTPUT POWER AND PULSE ENERGY**



## BEAM PROFILE



### **APPLICATION**







P2 scribe on Mo/CIGS/IZO thin film solar module realized with the Genki XP, 4W, 10 kHz, 1064 nm. © A. Burn et al., Proc. SPIE 9735, 973504-1:13, 2016

Please inquire for possible combinations of pulse duration, average power and repetition rate
Spectral bandwidth depends on pulse duration, pulse energy and repetition rate
Exact size and weight depend on pulse duration, pulse repetition rate, average power and wavelength