

# LBIC Selection Guide

infiniPV light beam induced current (LBIC) systems enable ultrafast high-resolution mapping of the photovoltaic response of solar cells over very large areas from single cells through modules, large panels and long rolls of solar cells.

We offer LBIC systems that bridge all scales of cost and complexity. There are 3 overall platforms: academic, professional and industrial. Scan areas range from 50 x 50 mm<sup>2</sup> and up to many square meters or rolls that are hundreds of meters long. Wavelengths in the range of 400-1200 nm are typically used while supercontinuum-, UV- and far IR-laser sources can also be employed.

## Features:

	Academic	Professional	Industrial
50 x 50 mm <sup>2</sup> test area	✓		
300 x 300 mm <sup>2</sup> test area		✓	✓
300 x 600 mm <sup>2</sup> test area			✓
< 2000 x 12000 mm <sup>2</sup> test area			✓
300 x ∞ mm <sup>2</sup> test area			✓
Single laser wavelength*	✓	✓	✓
Dual laser wavelength* (simultaneous, superimposed)		(✓)	(✓)
Supercontinuum (white) laser source		(✓)	(✓)
Modulation of light source		✓	✓
Light bias		(✓)	(✓)
Electrical bias		(✓)	(✓)
Contactless mode		(✓)	(✓)
Phasing of light sources (for multijunction PV)		(✓)	(✓)
EQE mapping	(✓)	(✓)	(✓)
Electrometer preamplifier		(✓)	
Heterodyne preamplifier	✓	✓	✓

\* Customer specific

Elements in brackets are obtainable as extra options