# PDF Solutions and Advantest Partnership – 30 July 2020

## Overview of PDF Solutions



IC Design | Fab | Sort | Assembly | Test | System

- The only end-to-end data and analytics solutions provider for the semiconductor and electronics manufacturing supply chains
- PDF's Exensio Analytics Platform provides a semantic data model to integrate and align data from across the semiconductor product lifecycle
- CY 2019 revenues of $86 million with 65% gross margins
- $100 million cash and no debt, as of Q1 ended March-2020
- Worldwide ~350 employees and presence in 11 countries

## Strategic Rationale of Partnership



Mfg Analytics | Test Operations | Assembly Operations

- Expands and deepens tools supported by Exensio, already at >300 tool types from >100 equipment companies and >40k connected tools worldwide
- Increases number of fabs/OSATs using PDF to communicate product data
- Advantest is the established leader in test systems global ecosystem, with greater than 50% market share
- Partnering with Advantest allows PDF to further solidify our industry-leading footprint in the manufacturing & test equipment data collection ecosystem

## Overview of Partnership

- Development of a software platform based on Exensio ("Advantest Cloud powered by PDF Exensio") for Advantest's internal & customers use
- Joint development and sale of technology solutions based on Advantest testing platforms and PDF's Exensio analytics software
- A 5-year subscription for the PDF Exensio cloud platform and DEX network, which is expected to result in >$50 million revenue, subject to successful deployment of the Exensio platform (anticipated this year)
- Purchase of 3,306,924 PDF common shares for $65.2 million
- PDF remains independent and will continue to work with all equipment providers in both the front-end and back-end

## Benefits for PDF Solutions

- Validates PDF strategy of making Exensio an open and independent analytics platform for partners to use as a base for their own solutions
- Creates additional opportunities for PDF at fabless and system companies from accelerated adoption of Exensio solution for test, as well as revenue from the Advantest solutions that leverage Exensio
- Accelerates adoption of DEX nodes connecting customers, manufacturers and suppliers
- Accretive deal for PDF stockholders, including share issuance
- $65.2 million of additional cash provides a platform to accelerate PDF's growth and investments going forward

PDF/SOLUTIONS™

# Forward-Looking Statements regarding PDF Solutions' Statements

The statements in this presentation regarding PDF Solutions' future expected business performance and financial results, the ability to accelerate its technology roadmap, the ability to develop joint solutions that address the needs of mutual customers, the ability to deliver increased yield while lowering cost, the expected acceleration of the adoption of PDF Solutions' products, the expected revenue from the license with Advantest, and the anticipation for additional revenue from joint solutions are forward looking and are subject to future events and circumstances. Actual results could differ materially from those expressed in these forward-looking statements. Risks and uncertainties that could cause results to differ materially include risks associated with: the success of the Advantest/PDF partnership; cost and schedule of new product development; adoption of solutions by new and existing customers; project milestones or delays and performance criteria achieved; the provision of technology and services prior to the execution of a final contract; the potential impact of the coronavirus (COVID-19) on the semiconductor industry and on PDF Solutions' operations or demand for its products; and other risks set forth in PDF Solutions' periodic public filings with the Securities and Exchange Commission, including, without limitation, its Annual Reports on Form 10-K, most recently filed for the year ended December 31, 2019, Quarterly Reports on Form 10-Q, and Current Reports on Form 8-K and amendments to such reports. The forward-looking statements made in this presentation are made as of the date hereof, and PDF Solutions does not assume any obligation to update such statements nor the reasons why actual results could differ materially from those projected in such statements.