

VALIDATION
“WORLD’S THINNEST 13.3” TOUCH LAPTOP PC”

STATEMENT OF WORK (SOW)

Wirth Consulting is an independent source that specializes in the research and testing of office/consumer products and solutions. HP commissioned Wirth Consulting to validate claims that the HP Spectre 13.3” touch laptop PC is “World’s Thinnest Touch Laptop PC” as of September 15, 2017.

HP Disclaimer: “Based on vendors shipping > 1 million units worldwide annually with clamshell design, Windows or OSX, measured at z-height as of 9/15/17.”

SIGNIFICANCE AND USE

This study commissioned by HP is an attempt to clarify the concept of “thin” touch laptop PCs to consumers and validate vendor claims of “thinnest” touch laptop PC.

Third-party research and reporting by Wirth Consulting will provide the most compelling supporting arguments whether it be positive, negative, or a mixture of both.

LAPTOP PC SAMPLE SELECTION

1. Laptop PC with clamshell design and touch screen.
2. Supports Microsoft Windows and/or Apple OSX operating system.
3. Laptop PC vendors shipping more than 1M units worldwide in 2016 and a worldwide sales and distribution network that utilizes its branded name.
4. All price ranges.

METHODOLOGY

1. Select samples per above.
2. Research publicly-available product dimensions.
3. Determine the z-height of each touch laptop PC at its thickest point.
4. Summarize the research results and product a research report with included validation statement.

RESEARCH RESULTS AND VALIDATION STATEMENT



Wirth Consulting validates that as of September 15, 2017 the HP Spectre is the “World’s Thinnest Touch Laptop PC” per an evaluation of selected samples as defined by the selection criteria.

QUALIFIED SAMPLE SELECTION OF TOUCH LAPTOP PCs

Brand	Model Name	Screen Size	z-Height (mm)
Acer	Aspire S 13	13.3"	15.2
Acer	Aspire V 13	13.3"	20.3
Acer	Aspire V Nitro	15.6"	25.4
Asus	X751MA	17.3"	35.6
Asus	Zenbook UX303	13.3"	19.2
Dell	Inspiron 11 3162	11.6"	18.4
Dell	Inspiron 14 3451	14.0"	22.0
Dell	Inspiron 15 3567	15.6"	25.1
Dell	Inspiron 15 5565	15.6"	23.3
Dell	Inspiron 15 5567	15.6"	23.3
HP	EliteBook 1030	13.3"	15.0
HP	Envy 15	15.6"	18.0
HP	Spectre	13.3"	10.4
Lenovo	Ideapad 110	15.6"	22.9
Lenovo	IdeaPad 310	15.6"	22.9
Lenovo	IdeaPad 710S Plus Touch	13.3"	14.8
Lenovo	Ideapad Y700 Touch	15.6"	26.0
Lenovo	Ideapad Y900	17.3"	36.0
Lenovo	ThinkPad P50s Mobile Workstation	15.6"	25.8
Lenovo	ThinkPad T560 Ultrabook	15.6"	22.4
LG	Gram	13.3"	15.2
LG	Gram	14.0"	15.2
LG	Gram	15.6"	15.2
Microsoft	Surface Laptop	13.5"	14.5
Samsung	Notebook 5	15.6"	24.9
Samsung	Notebook 7 Spin	15.6"	19.8
Samsung	Notebook 9 Spin	13.3"	15.0
Toshiba	Satellite Radius 12	12.5"	15.4

TESTING AND EVALUATION VALIDATION

Wirth Consulting submits this document as a validation of Hewlett-Packard's claims that the HP Spectre is the "World's Thinnest Touch Laptop PC" as defined by the selection criteria.

July 27, 2017

Date Submitted



Theodore (Terry) Wirth, President
Wirth Consulting LLC

ACCREDITATIONS - THIRD PARTY VALIDATOR

Wirth Consulting LLC
 Oxford, New Jersey, USA
 +1 (862) 223-9491
 wirthconsulting.org



Terry Wirth - Co-Founder and President

Has over 30 years of experience in the evaluation and testing of printers, MFPs, All-in-Ones and other business-imaging equipment and has been responsible for managing testing programs at Buyers Laboratory Inc. (BLI), Industry Analysts, Inc., and BERTL. As former chairman and member since 1989 of the American Society for the Testing of Materials (ASTM) F05 Committee on Business Imaging Production, he has written numerous published ASTM test methods. ASTM is one of the world's largest voluntary standards organizations and is a trusted source for technical standards, as well as for products and services.

Responsible for product development, IT systems and support, the design and maintenance of the [Wirth Consulting Web site](#) and all daily business and financial matters. Developed a system of test reports and competitive evaluations of digital-imaging devices and solutions and the methodology for the daily distribution and dissemination of critical information.

Terry@wirthconsulting.org
 +1 (862) 223-9491

Kathleen Wirth – Co-Founder and Executive Editor

Has been covering the digital-imaging industry for nearly 20 years, and has been a regular contributor to many industry publications. As an analyst and writer, she has covered product launches, written guides for using MFPs, printers and their software, and has tracked industry news. She has also tested and reviewed many MFPs and printers. Her hands-on experience garnered from years of testing printers and MFPs provides her with a unique perspective when covering new products and technology. Kathleen holds an MA degree from New York University.

Responsible for research and editorial matters and the maintenance of and daily creation of content on the [Wirth Consulting Web site](#).

Kathy@wirthconsulting.org
 +1 (973) 964-3579

ABOUT WIRTH CONSULTING

Wirth Consulting was founded in order to provide independent comprehensive evaluations of digital-imaging equipment and is the premier source for the most comprehensive printer, All-in-One, and MFP news and analysis, competitive evaluations and testing. Our unmatched insight has been earned by evaluating and testing these products and their software and solutions since their inception.

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