

Restoration Robotics, Inc.
128 Baytech Drive
San Jose, CA 95134

August 6, 2018

VIA EDGAR AND E-MAIL

United States Securities and Exchange Commission
Division of Corporation Finance
100 F Street, N.E.
Washington, D.C. 20549-6010

Attention: Heather Percival

**Re: Restoration Robotics, Inc. Registration Statement on Form S-1
(Registration No. 333-226598)**

Ladies and Gentlemen:

In accordance with Rule 461 of Regulation C of the General Rules and Regulations under the Securities Act of 1933, as amended, we hereby request acceleration of the effective date of the Registration Statement on Form S-1 (File No. 333-226598) (the "**Registration Statement**") of Restoration Robotics, Inc. (the "**Company**"). We respectfully request that the Registration Statement become effective as of 4:30 p.m., Washington, D.C. time, on August 8, 2018, or as soon as practicable thereafter. Once the Registration Statement has been declared effective, please orally confirm that event with our counsel, Latham & Watkins LLP, by calling Brian Cuneo at (650) 463-3014.

Thank you for your assistance in this matter.

Very truly yours,

RESTORATION ROBOTICS, INC.

By: /s/ Ryan Rhodes
Ryan Rhodes
President and Chief Executive Officer

CC: Mark Hair, Restoration Robotics, Inc.
Brian J. Cuneo, Latham & Watkins LLP
B. Shayne Kennedy, Latham & Watkins LLP
Michael D. Maline, Goodwin Procter LLP

August 6, 2018

VIA EDGAR

U.S. Securities and Exchange Commission
Division of Corporation Finance
100 F Street, N.E.
Washington, D.C. 20549

Attn: Heather Percival

Re: **Restoration Robotics, Inc.**
Registration Statement on Form S-1
File No. 333-226598

Acceleration Request

Requested Date: August 8, 2018
Requested Time: 4:30 p.m., Eastern Daylight Time

Ladies and Gentlemen:

In accordance with Rule 461 under the Securities Act of 1933, as amended (the “*Act*”), William Blair & Company, L.L.C., as representative of the several underwriters, hereby joins Restoration Robotics, Inc. in requesting that the Securities and Exchange Commission (the “*Commission*”) take appropriate action to cause the Registration Statement on Form S-1 (File No. 333-226598) (the “*Registration Statement*”) to become effective on Wednesday, August 8, 2018, at 4:30 p.m., Eastern Daylight Time, or as soon as practicable thereafter.

Pursuant to Rule 460 under the Act, please be advised that we will take reasonable steps to secure adequate distribution of the preliminary prospectus to underwriters, dealers, institutions and others, prior to the requested effective time of the Registration Statement.

We will comply, and have been informed by the participating underwriters that they will comply, with the requirements of Rule 15c2-8 under the Securities Exchange Act of 1934, as amended, to the extent applicable.

[Signature Page Follows]

Very truly yours,

William Blair & Company, L.L.C.

By: /s/ Steve Maletzky

Name: Steve Maletzky

Title: Partner, Equity Capital Markets

cc: Mark Hair, *Restoration Robotics, Inc.*
Michael Maline, *Goodwin Procter LLP*
Brian Cuneo, *Latham & Watkins LLP*
B. Shayne Kennedy, *Latham & Watkins LLP*