



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

June 13, 2014

Via E-mail

Ingrid Mittelstädt
Chief Financial Officer
Rofin-Sinar Technologies Inc.
40984 Concept Drive
Plymouth, MI 48170

**Re: Rofin-Sinar Technologies Inc.
Form 10-K for the Fiscal Year Ended September 30, 2013
Filed November 29, 2013
File No. 000-21377**

Dear Ms. Mittelstädt:

We have completed our review of your filing. We remind you that our comments or changes to disclosure in response to our comments do not foreclose the Commission from taking any action with respect to the company or the filing and the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States. We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/ Amanda Ravitz

Amanda Ravitz
Assistant Director

cc (via e-mail): Bradley J. Wyatt
Dickinson Wright PLLC