



THIS LETTER CERTIFIES THAT

Quartztec Europe Ltd
Scotland

has met ASM's quality standards and has obtained a license from ASM to perform and sell Licensed Services for use in ASM equipment as follows:

Licensed Products

Vertical Diffusion Quartz
Parts

ASM Equipment

A400, A400XT, A412

This certification is contingent on Supplier continuing its obligations under ASM Qualified Licensed Supplier Program. Thank you for continuous support of ASM.

A handwritten signature in black ink, appearing to read "Dr. Han Westenrdorp".

Dr. Han Westenrdorp

VP Corporate Marketing

Issue Date: March, 2020
Expiration Date: February 28, 2027