

| TRUENESS                                                                            |       |       |        |       |       |         |         |         |         |         |
|-------------------------------------------------------------------------------------|-------|-------|--------|-------|-------|---------|---------|---------|---------|---------|
| MAXILLA                                                                             |       |       |        |       |       |         |         |         |         |         |
| Trios 5                                                                             |       |       |        |       |       |         |         |         |         |         |
| S1                                                                                  | 9,61  | 11,87 | 9,83   | 10,84 | 8,05  | 8,0179  | 9,0289  | 10,04   | 11,0511 | 12,0621 |
| S2                                                                                  | 7,9   | 9,76  | 10,44  | 8,744 | 11,97 | 7,5449  | 8,6538  | 9,7628  | 10,8718 | 11,9807 |
| S3                                                                                  | 10,45 | 9,85  | 10,2   | 11,05 | 11,9  | 9,5505  | 10,1202 | 10,69   | 11,2598 | 11,8295 |
| S4                                                                                  | 10,71 | 9,8   | 9,79   | 10,74 | 9,78  | 9,4395  | 9,8018  | 10,164  | 10,5262 | 10,8885 |
| Helios 600                                                                          |       |       |        |       |       |         |         |         |         |         |
| S1                                                                                  | 11,01 | 8,1   | 11,112 | 11,02 | 9,15  | 8,1292  | 9,1038  | 10,0784 | 11,053  | 12,0276 |
| S2                                                                                  | 7,8   | 9,4   | 11,3   | 9,7   | 11,6  | 7,7769  | 8,8684  | 9,96    | 11,0516 | 12,1431 |
| S3                                                                                  | 12,5  | 12,1  | 12,4   | 11,92 | 11,87 | 11,759  | 11,9585 | 12,158  | 12,3575 | 12,557  |
| S4                                                                                  | 10,91 | 11,01 | 9,89   | 10,05 | 10,2  | 9,686   | 10,049  | 10,412  | 10,775  | 11,138  |
| MANDIBLE                                                                            |       |       |        |       |       |         |         |         |         |         |
| Trios 5                                                                             |       |       |        |       |       |         |         |         |         |         |
| S1                                                                                  | 10,61 | 9,87  | 9,83   | 9,84  | 9,05  | 9,0596  | 9,4498  | 9,84    | 10,2302 | 10,6204 |
| S2                                                                                  | 8,9   | 8,1   | 9,05   | 9,2   | 9,97  | 8,097   | 8,5705  | 9,044   | 9,5175  | 9,991   |
| S3                                                                                  | 10,45 | 10,15 | 10,2   | 10,05 | 9,9   | 9,8628  | 10,0064 | 10,15   | 10,2936 | 10,4372 |
| S4                                                                                  | 10,71 | 9,8   | 8,79   | 9,74  | 9,78  | 8,8033  | 9,2837  | 9,764   | 10,2443 | 10,7247 |
| Helios 600                                                                          |       |       |        |       |       |         |         |         |         |         |
| S1                                                                                  | 11,01 | 10,1  | 9,89   | 9,2   | 9,15  | 8,7929  | 9,3315  | 9,87    | 10,4085 | 10,9471 |
| S2                                                                                  | 9,8   | 9,4   | 11,3   | 7,7   | 9,6   | 7,7473  | 8,6536  | 9,56    | 10,4664 | 11,3727 |
| S3                                                                                  | 11,5  | 12,1  | 11,4   | 11,3  | 9,87  | 10,0693 | 10,6516 | 11,234  | 11,8164 | 12,3987 |
| S4                                                                                  | 8,91  | 11,01 | 8,89   | 10,05 | 10,2  | 8,5263  | 9,1691  | 9,812   | 10,4549 | 11,0977 |
| The raw RMS measurements (µm) used for the trueness analyses are provided in table. |       |       |        |       |       |         |         |         |         |         |

| PRECISION                                                                                         |        |        |        |        |        |         |         |         |         |         |
|---------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| MAXILLA                                                                                           |        |        |        |        |        |         |         |         |         |         |
| Trios 5                                                                                           |        |        |        |        |        |         |         |         |         |         |
| S1                                                                                                | 21,644 | 23,276 | 24,015 | 25,15  | 22,053 | 21,2021 | 22,2148 | 23,2276 | 24,2404 | 25,2531 |
| S2                                                                                                | 23,057 | 24,256 | 24,023 | 23,557 | 24,259 | 23,0973 | 23,4639 | 23,8304 | 24,1969 | 24,5635 |
| S3                                                                                                | 24,867 | 24,765 | 24,76  | 24,03  | 23,963 | 23,8528 | 24,1649 | 24,477  | 24,7891 | 25,1012 |
| S4                                                                                                | 23,359 | 24,205 | 23,26  | 23,361 | 23,054 | 22,8237 | 23,1357 | 23,4478 | 23,7599 | 24,0719 |
| Helios 600                                                                                        |        |        |        |        |        |         |         |         |         |         |
| S1                                                                                                | 22,653 | 23,556 | 24,057 | 23,659 | 25,056 | 22,5636 | 23,1799 | 23,7962 | 24,4125 | 25,0288 |
| S2                                                                                                | 23,86  | 24,759 | 23,858 | 23,556 | 23,858 | 23,3337 | 23,6559 | 23,9782 | 24,3005 | 24,6227 |
| S3                                                                                                | 26,264 | 25,863 | 25,962 | 24,061 | 25,361 | 24,2736 | 24,8879 | 25,5022 | 26,1165 | 26,7308 |
| S4                                                                                                | 23,658 | 23,257 | 23,959 | 24,01  | 23,762 | 23,3045 | 23,5168 | 23,7292 | 23,9416 | 24,1539 |
| MANDIBLE                                                                                          |        |        |        |        |        |         |         |         |         |         |
| Trios 5                                                                                           |        |        |        |        |        |         |         |         |         |         |
| S1                                                                                                | 21,144 | 23,176 | 24,115 | 25,05  | 22,053 | 20,8985 | 22,003  | 23,1076 | 24,2122 | 25,3167 |
| S2                                                                                                | 23,057 | 24,056 | 24,023 | 23,057 | 24,059 | 22,8841 | 23,2672 | 23,6504 | 24,0336 | 24,4167 |
| S3                                                                                                | 24,767 | 24,765 | 24,06  | 23,93  | 23,063 | 23,1191 | 23,6181 | 24,117  | 24,6159 | 25,1149 |
| S4                                                                                                | 24,059 | 25,115 | 23,96  | 24,061 | 23,054 | 23,0167 | 23,5333 | 24,0498 | 24,5663 | 25,0829 |
| Helios 600                                                                                        |        |        |        |        |        |         |         |         |         |         |
| S1                                                                                                | 22,553 | 23,056 | 24,057 | 23,359 | 25,056 | 22,2418 | 22,929  | 23,6162 | 24,3034 | 24,9906 |
| S2                                                                                                | 23,86  | 24,059 | 23,258 | 23,556 | 23,858 | 23,2744 | 23,4963 | 23,7182 | 23,9401 | 24,162  |
| S3                                                                                                | 26,064 | 25,863 | 25,062 | 24,061 | 25,361 | 24,1654 | 24,7238 | 25,2822 | 25,8406 | 26,399  |
| S4                                                                                                | 24,058 | 23,257 | 23,959 | 24,01  | 23,762 | 23,3445 | 23,5769 | 23,8092 | 24,0415 | 24,2739 |
| The raw RMS measurements ( $\mu\text{m}$ ) used for the precision analyses are provided in table. |        |        |        |        |        |         |         |         |         |         |