DIN EN ISO 20896-1:2019-12 (E)

Dentistry - Digi tal impression devices - Part 1: Methods for assessing accuracy (ISO 20896-1:201 9)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **6**

4 Requirements ... **8**
4.1 General ... 8
4.2 Reference measurement of test objects ... 8

5 Test Methods ... **9**
5.1 Test objects ... 9
5.1.1 General ... 9
5.1.2 Preparation ... 9
5.1.3 Measurement of reference values ... 9
5.2 Test conditions ... 10
5.2.1 Ambient conditions ... 10
5.2.2 Scanning pattern ... 10
5.2.3 Scanning time ... 10
5.2.4 Number of scans ... 10
5.3 Processing of the digital impression ... 10
5.3.1 General ... 10
5.3.2 Dimensions of interest ... 10
5.3.3 Determination of dimensions ... 10
5.4 Assessment of accuracy ... 11
5.4.1 Statistical analysis ... 11
5.4.2 Expression of bias ... 11
5.4.3 Expression of accuracy ... 11

6 Test Report ... **12**
6.1 General ... 12
6.2 Device ... 12
6.3 Test object ... 12
6.4 Test method ... 12
6.5 Test results ... 13

Annex A (normative) **Test object — Crown preparation** ... **14**

Annex B (normative) **Test object — Inlay preparation** ... **16**

Annex C (normative) **Test object — Full arch** ... **18**

Bibliography ... **20**