

# ISO 23298:2023-05 (E)

## Dentistry - Test methods for machining accuracy of computer-aided milling machines

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	General .....	2
5	Test methods .....	2
5.1	Metal die method .....	2
5.1.1	Target restorations .....	2
5.1.2	Apparatus .....	2
5.1.3	Measurement of metal dies .....	5
5.1.4	Preparation of three-dimensional data .....	5
5.1.5	Machining of restorations .....	7
5.1.6	Evaluation of accuracy .....	8
5.2	Test methods for software method .....	13
5.2.1	General .....	13
5.2.2	Test object .....	15
5.2.3	Equipment and apparatus .....	18
5.2.4	Machining of specimens .....	18
5.2.5	Measurement .....	20
5.2.6	Data alignment procedures .....	21
5.2.7	Data analysis procedure .....	22
5.2.8	Calculation of total errors .....	25
6	Test report .....	26
6.1	General information .....	26
6.2	Specific information .....	27
6.2.1	Die method .....	27
6.2.2	Software method .....	27
6.3	Averaged characteristic accuracy values .....	27
6.3.1	Die method .....	27
6.3.2	Software method .....	28
Annex A (informative)	Flow chart of test method .....	29
Annex B (normative)	Measurement of die set(s) and preparation of CAD data of target restoration(s) .....	31
Annex C (informative)	of test reports .....	41
Bibliography .....		46