
**Dentistry — Powered toothbrushes —
General requirements and test methods**

*Art dentaire — Broses à dents électriques — Exigences générales et
méthodes d'essai*



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Foreword

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ISO 20127 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 7, *Oral hygiene products*.

Introduction

Powered toothbrushes are used for the removal of dental plaque and oral debris in order to facilitate oral hygiene.

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Dentistry — Powered toothbrushes — General requirements and test methods

1 Scope

This International Standard specifies requirements and test methods for the physical properties of powered toothbrushes in order to promote the safety of these products for their intended use.

Specifically excluded are other types of powered oral hygiene devices (such as powered interdental brushes) and manual toothbrushes.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1942, *Dentistry — Vocabulary*

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods*

IEC 60335-1:2004, *Household and similar electrical appliances — Safety — Part 1: General requirements*

IEC 60335-2-52, *Household and similar electrical appliances — Safety — Part 2-52: Particular requirements for oral hygiene appliances*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942 and the following apply.

3.1

powered toothbrush

hand-held electrically-powered appliance, the brush head of which carries filaments, used primarily for cleaning surfaces within the oral cavity

3.2

brush head

fixed or removable working end of an electrically-powered toothbrush to which the filaments are attached

3.3

filament

single strand within the brush head

3.4

tuft

group of filaments gathered together and attached to the brush head