

ISO 1985:2015-03 (E)

Machine tools - Test conditions for surface grinding machines with vertical grinding wheel spindle and reciprocating table - Testing of the accuracy

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terminology and designation of axes	1
4	Preliminary remarks	3
4.1	Measurement units	3
4.2	Reference to ISO 230-1, ISO 230-2, and ISO 230-7	3
4.3	Machine levelling	3
4.4	Testing sequence	3
4.5	Tests to be performed	3
4.6	Measuring instruments	3
4.7	Diagrams	3
4.8	Software compensation	4
4.9	Minimum tolerance	4
4.10	Machining test	4
5	Geometric tests	5
5.1	Linear axes	5
5.2	Table	12
5.3	Spindle	14
6	Positioning tests	17
6.1	Positioning of manual or automatic (but not numerically controlled) linear axes	17
6.2	Positioning of numerically controlled linear axis	18
7	Machining tests	19
Annex A (informative)	Tests for checking accuracy of axes of rotation	21
Annex B (informative)	Equivalent terms in German, Italian, Persian, and Japanese	23
Bibliography		24