

ISO 3875:2004-01 (E)

Machine tools - Test conditions for external cylindrical centreless grinding machines - Testing of the accuracy

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terminology and design of axes	1
4	Preliminary remarks	3
4.1	Measuring units	3
4.2	Reference to ISO 230-1 and ISO 230-2	3
4.3	Testing sequence	3
4.4	Tests to be performed	3
4.5	Measuring instruments	3
4.6	Machining tests	3
4.7	Minimum tolerance	3
5	Geometric tests	4
5.1	Grinding wheel dresser	4
5.2	Regulating wheel dresser	5
5.3	Work support blade location	6
5.4	Grinding wheel spindle	7
5.5	Regulating wheel spindle	8
6	Machining tests	9
7	Accuracy and repeatability of positioning	11
7.1	Positioning of manual or automatic (but not numerically controlled) linear axes	11
7.2	Positioning of numerically controlled linear axes	12
Bibliography		15