

Test conditions for machining centres —

Part 10: Evaluation of thermal distortions

ICS 25.040.10

National foreword

This British Standard was published by BSI. It is the UK implementation of ISO 10791-10:2007.

The UK participation in its preparation was entrusted to Technical Committee MTE/1, Machine tools.

A list of organizations represented on MTE/1 can be obtained on request to its secretary.

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 March 2007

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ISBN 978 0 580 50420 4

Amendments issued since publication

Amd. No.	Date	Comments

INTERNATIONAL STANDARD

ISO
10791-10

First edition
2007-03-01

Test conditions for machining centres — Part 10: Evaluation of thermal distortions

Conditions d'essai des centres d'usinage —

Partie 10: Évaluation des déformations thermiques



Reference number
ISO 10791-10:2007(E)

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Foreword

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ISO 10791-10 was prepared by Technical Committee ISO/TC 39, *Machine tools*, Subcommittee SC 2, *Test conditions for metal cutting machine tools*.

ISO 10791 consists of the following parts, under the general title *Test conditions for machining centres*:

- *Part 1: Geometric tests for machines with horizontal spindle and with accessory heads (horizontal Z-axis)*
- *Part 2: Geometric tests for machines with vertical spindle or universal heads with vertical primary rotary axis (vertical Z-axis)*
- *Part 3: Geometric tests for machines with integral indexable or continuous universal heads (vertical Z-axis)*
- *Part 4: Accuracy and repeatability of positioning of linear and rotary axes*
- *Part 5: Accuracy and repeatability of positioning of work-holding pallets*
- *Part 6: Accuracy of feeds, speeds and interpolations*
- *Part 7: Accuracy of a finished test piece*
- *Part 8: Evaluation of contouring performance in the three coordinate planes*
- *Part 9: Evaluation of the operating times of tool change and pallet change*
- *Part 10: Evaluation of thermal distortions*