



**PRODUCT MANUAL  
FOR  
BRAILLE SHORTHAND MACHINE  
ACCORDING TO IS 14429: 1997**

*This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure coherence of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification licence/certificate.*

1.	<b>Product</b>	:	IS 14429 : 1997
	<b>Title</b>	:	Braille Shorthand Machine
	<b>No. of Amendments</b>	:	1
2.	<b>Sampling Guidelines:</b>		
a)	<b>Raw material</b>	:	As per clause 3 of IS 14429
b)	<b>Grouping guidelines</b>	:	Not Applicable
c)	<b>Sample Size</b>	:	One Machine
3.	<b>List of Test Equipment</b>	:	Please refer ANNEX – <b><u>A</u></b>
4.	<b>Scheme of Inspection and Testing</b>	:	Please refer ANNEX – <b><u>B</u></b>
5.	<b>Possible tests in a day:</b>		All tests
6.	<b>Scope of the Licence :</b>		
	Licence is granted to use Standard Mark as per IS 14429 : 1997 with the following scope:		
	<b>Name of the product</b>		Braille Shorthand Machine

**ANNEX A****List of Test Equipment**

*Major test equipment required to test as per the Indian Standard*

Sl. No.	Tests used in with Clause Reference	Test Equipment
1	Size and Fabrication (Clause 4 & 5)	(i) Measuring Tape (ii) Steel Scale
2	Requirements (Clause 6)	(i) Weighing Scale (ii) Vernier Caliper
3	Performance (Clause 7)	(i) Steel Scale (ii) Vernier Caliper

*The above list is indicative only and may not be treated as exhaustive.*

**ANNEX B**

**Scheme of Inspection And Testing**

**1. LABORATORY** - A laboratory shall be maintained which shall be suitably equipped (as per the requirement given in column 2 of Table 1) and staffed, where different tests given in the specification shall be carried out in accordance with the methods given in the specification.

**1.1** The manufacturer shall prepare a calibration plan for the test equipments.

**2. TEST RECORDS** – The manufacturer shall maintain test records for the tests carried out to establish conformity.

**3. LABELLING AND MARKING** – As per Clause 9 of IS 14429: 1997.

**4. CONTROL UNIT** – All the Machines manufactured from the same raw material in a day shall constitute a control unit.

**5. LEVELS OF CONTROL** - The tests as indicated in column 1 of Table 1 and the levels of control in column 3 of Table 1, shall be carried out on the whole production of the factory which is covered by this plan and appropriate records maintained in accordance with paragraph 2 above.

**5.1** All the production which conforms to the Indian Standards and covered by the licence should be marked with Standard Mark.

**6. REJECTIONS** – Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act, 2016.

**TABLE 1**

<b>(1)</b>				<b>(2)</b>	<b>(3)</b>		
<b>Test Details</b>				<b>Test equipment requirement R: required (or) S: Sub-contracting permitted</b>	<b>Levels of Control</b>		
<b>Cl.</b>	<b>Requirement</b>	<b>Test Method</b>			<b>No. of Sample</b>	<b>Frequency</b>	<b>Remarks</b>
		<b>Clause</b>	<b>Reference</b>				
3	Material	3.1 to 3.3	IS 14429	S	One Sample	Each Consignment	No further testing is required if the consignment received is with test certificate or ISI marked.
4	Size	4	IS 14429	R	Five	Each Control Unit	---
5	Fabrication	5	IS 14429	R	Each Machine	-	Any machine not meeting the requirement shall not be marked and shall be rejected.
6	Requirements	6.1 to 6.9	IS 14429	R	Each Machine	-	
7	Performance Test	7		R	Each Machine	-	

Note-1: Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empanelled by the Bureau.

Note-2: The control unit and levels of control as decided by the Bureau are obligatory, to which the licensee shall comply with.