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Textile machinery — Dyeing and finishing machines — Nominal speeds

iTeh STANDARD PREVIEW
*Matériel pour l'industrie textile — Machines de teinture et d'apprêt —
Vitesses nominales*
(standards.iteh.ai)

ISO 10457:1991

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75% of the member bodies casting a vote.

International Standard ISO 10457 was prepared by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*, Sub-Committee SC 4, *Dyeing, finishing and allied machinery and accessories*.

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Textile machinery — Dyeing and finishing machines — Nominal speeds

1 Scope

This International Standard specifies nominal speeds for dyeing and finishing machines to simplify the choice of the drive units and to facilitate the combination of individual machines in a production plant.

2 Definitions

For the purposes of this International Standard, the following definitions apply.

2.1 nominal speed: Maximum production speed of the machine or plant.

2.2 production speed: Speed of the fabric, measured at the exit of the machine.

2.3 difference speed: Difference between the local speed of a fabric and the production speed, ex-

pressed as a percentage of the production speed (e.g. overfeed at a shrinking-stretch).

2.4 local speed: Speed of the fabric measured at any point other than the exit of the machine.

3 Nominal speeds

3.1 The range of nominal speeds is given in table 1.

Table 1

Nominal speeds in metres per minute

5	10	20	30	40	50	60	80	100	125	150	200	250
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3.2 The tolerance on the nominal speed is $\pm 3\%$.

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