
**Textile machinery — Dyeing and finishing
machines — Nominal speeds**

*Matériel pour l'industrie textile — Machines de teinture et d'apprêt —
Vitesses nominales*

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Foreword

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ISO 10457 was prepared by Technical Committee ISO/TC 72, *Textile machinery and machinery for dry-cleaning and industrial laundering*, Subcommittee SC 4, *Dyeing and finishing machinery and accessories*.

This second edition cancels and replaces the first edition (ISO 10457:1991), which has been technically revised.

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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, with the aim of simplifying the choice of the drive units and facilitating the combination of individual machines in a production plant.

2 Terms and definitions

For the purposes of this document, the following terms and 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 the fabric and the production speed, expressed as a percentage of the production speed

EXAMPLE Overfeed at a shrinkage/stretch.

2.4

local speed

speed of the fabric measured at any point other than the exit of the machine

3 Nominal speeds

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	300	400	500	600
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