ISO 12643-5:2023-11 (E)

Graphic technology - Safety requirements for graphic technology equipment and systems - Part 5: Manually-fed stand-alone platen presses

Contents

Page

Foreword ... **iv**

Introduction ... **vi**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **2**

4 Safeguarding of significant hazards ... **3**

4.1 General safeguarding requirements ... 3
4.2 Safeguarding side access ... 4
4.3 Safeguarding front access ... 11
4.4 Access detection using laser scanners ... 12
4.5 Access and presence detection using vision based protective devices (VBPD) ... 14
4.6 Platen presses with dwell mode (timer-controlled operation) ... 16
4.7 Stopping distance and performance ... 16
4.8 Main drive braking and clutch/brake mechanism ... 16
4.9 Flywheels ... 17
4.10 Controls ... 17
4.10.1 Emergency stop pushbutton ... 17
4.10.2 Other controls ... 17
4.11 Safety related stop ... 17
4.12 Signals and warning devices — Indicator light for dwell mode ... 17

5 Verification of safety requirements and/or protective measures ... **17**

6 Contents of instruction handbook ... **18**

Annex A (informative) **List of significant hazards** ... **19**

Bibliography ... **20**