

DIN EN 13035-5:2010-07 (E)

**Machines and plants for the manufacture, treatment and processing of fl at glass -
Safety requirements - Part 5: Machines and installations for stacking and de-stacking
(includes Amendment A1:2009)**

| Contents | Page |
|--|-------------|
| Foreword | 3 |
| Introduction | 4 |
| 1 Scope | 5 |
| 2 Normative references | 5 |
| 3 Terms and definitions | 7 |
| 4 List of significant hazards | 7 |
| 5 Safety requirements and/or protective measures | 9 |
| 6 Verification of safety requirements and/or protective measures | 11 |
| 7 Information for use | 12 |
| and de-stacking | 14 |
| controlled braking | 22 |
| Requirements of EU Directive 98/37/EC | 24 |
| ! Requirements of EU Directive 2006/42/EC"....." | 25 |
| Bibliography | 26 |
| Tables Table 1 -- List of significant hazards | 8 |
| !Table 2 -- Individual testing for requirements stated in Clause 5 | 12 |
| Annex A (informative) Examples of typical constructions of machines and installations for stacking Annex D (informative) Example of stopping operation by safety equipment with electronically Annex ZA (informative) Relationship between this European Standard and the Essential Annex ZB (informative) !!Relationship between this European Standard and the Essential Annex B (informative) Example of electrical interlocking of movable guard (guard closed) | 20 |
| Annex C (informative) Example of electrical interlocking with guard locking | 21 |
| Annex E (informative) Protection to prevent broken glass from falling out laterally | 23 |