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Health and Safety Executive		Sector Information Minute	
Manufacturing		SIM 03/2003/66 (formerly 04/2003/09)	
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Target Audience:
FOD Inspectors
S G Specialist Inspectors

**MANUFACTURING SECTOR - PAPER, PLASTICS & RUBBER
COMITÉ EUROPÉEN DE NORMALISATION (CEN) STANDARDS**

This SIM informs Inspectors of the current status of the various European Standards for Manufacturing Sector, Paper, Plastics & Rubber machinery.

BACKGROUND

1 Detailed in the [Appendix](#) is a progress report on the various European Standards for Manufacturing Sector, Paper, Plastics and Rubber machinery. It reflects their status at the end of 2002.

2 The list provides information for proactive or reactive product supply work and the Sector will support and advise Inspectors on the finer points if necessary. The list is also suitable for issuing outside HSE if clients or others request an update on current effort.

3 The CEN Standards Making has a number of main stages indicated below.

- DRAFTING
- PUBLIC ENQUIRY
- REVISION
- FORMAL VOTE
- COMMISSION ACCEPTANCE
- PUBLICATION IN OFFICIAL JOURNAL

The stage each standard has reached is indicated in the progress column of the [Appendix](#).

CONTACT

4 Should you wish to obtain further information on the progress on these standards you can contact Chris Flint on VPN 515-4384 at the Leeds office.

Date first issued: 8 November 2003

.. APPENDIX

**HARMONISED EUROPEAN STANDARDS FOR
POLYMERS AND FIBRES MACHINERY**

MACHINERY	PROGRESS	STANDARD
Injection Moulding Machines	Published. Review started 2002.	BS EN201:1997
Compression and Transfer Moulding Presses	Published (Review process started in 1997. Final editing in progress prior to formal vote at CEN.	BS EN289:1994
Extruders and Extrusion Lines (3 parts)	Part 1 Extruders. Published Part 2 Die-face Pelletisers. Published. Part 3 Haul-off Devices. Published.	Part 1 BS EN1114-1:1997. 5 Part 2 BS EN1114-2:1998 Part 3 BS EN1114-3:2001
Two Roll Mills	Published	BS EN1417:1997
Blow Moulding Machines	Published	BS EN422:1996
Size Reduction Machines	Part 1 Blade Granulators: Published. Part 2 Strand Pelletisers: Published. Part 3 Shredders: Published. Part 4 Agglomerators: Working Group has commenced preparation of draft.	Part 1 BS EN12012-1: 2000 Part 2 BS EN12012-2: 2001 Part 3 BS EN12012-3: 2001
Internal Mixers	Published	BS EN 12013:2000
Calenders	Published	BS EN 12301:2000

MACHINERY	PROGRESS	STANDARD
Reaction Moulding Machines	Part 1 Mixing and Metering Units: Published Part 2 Reaction moulding machines: Published	Part 1 BS EN1612-1:1997 Part 2 BS EN1612-2:2000
Thermoforming Machines	Published	BS EN 12409:1999
Winding Machines for Film and Sheet	Draft with CEN prior to formal vote.	
Welding Machines for Plastics - likely to be multi-part standard	WG 14 has commenced preparation of draft of Bag Making Machines standard.	
Belt-knife cutting machines for block foam	WG 15 has commenced preparation of draft.	

EN 1034 Safety requirements for the design and construction of paper making and finishing machines - summary of the status of the parts.

MACHINERY	PROGRESS	STANDARD
Part 1 - Common requirements	In force	
Part 2 - Barking drums	Discussed at working group meeting of 25/26 Jan 2001 and presented to CEN for UAP (unique acceptance procedure)	
Part 3 - Re-reelers, slitters plying machines	In force (needs review ref. reel clearance as in Pt 5 & 6)	
Part 4 - Pulpers	Discussed at working group meeting of 25/26 Jan 2001 and presented to CEN for UAP	
Part 5 - Sheetters	Discussed at working group meeting of 15/26 Jan 2001 and presented to CEN for UAP	
Part 6 - Calenders	Discussed at the working group meeting of 25/26 Jan 2001 and presented to CEN for UAP	
Part 7 - Chests	Discussed at working group	

	meeting of 15/16 Jan 2002 and to be presented to CEN for UAP following agreed amendments	
Part 8 - Refiners	not started	
Part 9 - Beaters	not started	
Part 10 - Sorters	not started	
Part 11 - Thickeners	not started	
Part 12 - Disintegrators	not started	
Part 13 - De-wiring units	discussed at the working group meeting of 26/27 Nov 2002 and submitted to CEN for UAP	
Part 14 - Reel splitters	discussed at the working group meeting of 26/27 Nov 2002 and submitted to CEN for UAP	
Part 15 - Wire belt presses	not started	
Part 16 - Paper and board making machines	draft standard being prepared (UK/Swedish lead) and discussed at the working group meeting of 12/13 June 2003. After editing it will be presented to CEN for UAP	
Part 17 - Tissue making machines	draft standard being prepared (UK/Swedish lead) and discussed at the working group meeting of 12/13 June 2003. After editing it will be presented to CEN for UAP	
Part 18 - Cardboard making machines	approved in the work programme but at a standstill	
Part 19 - Pulp dewatering machines	approved in the work programme but at a standstill	
Part 20 - Fibre board making machines	approved in the work programme but at a standstill machines	
Part 21 - Coaters	approved in the work programme but at a standstill. UK to press for it to be brought forward	

	urgently	
Part 22 - Grinders	discussed at the working group meeting of 15/16 Jan 2002 and to be presented to CEN for UAP	
Part 23 - Digesters	not started	
Part 24 - Calenders	see Part 6	
Part 25 - Plying machines	approved in the work programme but at a standstill - see also Part 3	
Part 26 - Reel packing machines	discussed at the working group meeting of 26/27 Nov 2002 and submitted to CEN for UAP	

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