

EUROMAP General Secretariat: 2005 - 2008

Change in Secretariat General:

Bernd Knörr retired by end of September 2006 and his successor, Thorsten Kühmann, was appointed by the Executive Committee in September 2006.

Structural Changes:

EUROMAP represents more than 3,600 companies manufacturing equipment for the plastics and rubber industry in the field of core machinery, moulds and dies, peripheral equipment and flexographic printing machines for plastics film. Together, they employ a total of almost 100,000 staff and generate annual sales amounting to more than 17 billion EURO. Hence EUROMAP accounts for more than 50% of worldwide production and export volumes which marks the largest industry in this field world-wide. The Executive Committee strives to bring stronger awareness of this momentum to the public and to the members:

- For this reason EUROMAP has worked out a marketing concept which includes a new corporate identity. A private studio designed a logo which has been approved by the Executive Committee and the President in 2007. Consequently all EUROMAP documents and the webpage www.euromap.org were adapted to the new design.
- EUROMAP's approach to the press is more progressive. Starting point has been K-Show where journalists from diverse countries were invited to a "President-talk". The economic situation as well as perspectives of the plastics branch on a global scale were addressed. Today, on occasion of the General Assembly, the media has been invited to Bologna. Altogether 12 journalists from renowned plastics magazines from France, Germany, Italy, Japan, Russia, Spain, Switzerland, the UK and the USA will attend. The President and Vice President, the Secretary General, Sector Co-ordinators as well as representatives from the European industry will participate in the press conference.
- EUROMAP has widened its scope towards new members across Europe, especially Eastern Europe. Turkey (PAGDER) joined EUROMAP in 2008 and is the 10th member country of EUROMAP besides Austria, France, Germany, Italy, Luxembourg, the Netherlands, Spain, Switzerland and the United Kingdom.
- Moreover EUROMAP has strengthened its ties to the major European Plastics Associations (PlasticEurope and EUPC). Both associations participate in the General Assembly and EUROMAP joins the Conference of National Plastics Association Directors (NPA Conference).
- EUROMAP has for the first time taken an information booth at an exhibition in 2008.
- EUROMAP has developed a new concept for its Newsletter. Design and content have been adapted to modern standards.

Services for Machine Manufacturers:

The backbone of EUROMAP is the member companies of the European Plastic and Rubber Machine Associations. They are the driving force for each activity of EUROMAP and the overall success of EUROMAP will be measured by the satisfaction of those companies. In the Period 2005 - 2008 following services were supplied:

- **Campaign Pro Original**

Two thirds of our industry is effected by product piracy and the situation worsens year by year. Therefore EUROMAP supports the campaign Pro Original which brings a positive awareness for originality. Converters must understand that the use of original technology ensures success. Only original machines stand for

- Quality
- Innovation
- Efficiency
- Experience
- Safety

- **Market Studies**

- Structural Changes in the Global Plastics Market, TOP RIGHT MARKETING SERVICES, Germany, 2006
- Plastics Industry in the Middle East, AMI Consulting, UK, 2009

- **Statistical Surveys**

- Injection Moulding Machines, Quarterly Survey
- Injection Moulding Machines, Sales by Applications
- Injections Moulding Machines, Electric Machines
- Extruders and Extrusion Lines
- Trend Survey
- Economic Survey

- **Technical Matters**

EUROMAP has picked up a crucial issue for the Industry: Energy Efficiency. This stands for both environmental awareness as well as cost cutting for the converter. EUROMAP 30 - Extruders - and EUROMAP 60 - Injection Moulding Machines deal with the measurement of specific machine related energy consumptions. The standards make energy consumption comparable and classification easier for the converters. The industry then has to decide on introducing an eco labelling.

Altogether EUROMAP has launched 5 new projects as EUROMAP recommendations (technical standards) and has revised 34 recommendations.

- **Exhibitions**

EUROMAP supported a number of major national and international exhibitions with an excellent track record in the European machinery industry. The exhibition calendar gives an overview of the supported events. Beyond this EUROMAP provided a comprehensive list of plastics and rubber related trade shows on a global scale. EUROMAP supported events were:

- ARABPLAST
- ASEANPLAS
- CHINAPLAS
- India Rubber Expo
- INTERPLASTICA
- K-Show
- NPE
- PLASTINDIA
- PLAST
- TIPREX

September 2008

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EUROMAP Communications: 2005 - 2008

Communications Objective:

The principal objective in 2008 has been to heighten the profile of EUROMAP with the aim of bringing commercial benefit to its member associations and firms.

Re-styling of Communications

EUROMAP communications were reviewed fundamentally and an entirely new approach adopted with the consequence that EUROMAP was re-styled. A new logo and letter-heading were adopted which are much more contemporary in appearance.

Web-site re-launched

This provided an opportunity for the web-site to be totally revamped. The home page is re-styled with an introduction to the organisation and its activities, is more easily navigable and has the interests of all stakeholders in mind with links to a press archive and to the websites of member associations and, through them, member firms. Please visit this on www.euromap.org

E-Newsletter developed

A major communications tool has been the EUROMAP E-Newsletter. There have been two issues so far this year with a third planned following the Annual assembly. This has been re-styled and provides a comprehensive picture of activities ranging from Economic to Market, Technical and Exhibition activities. News is welcomed from all member associations and this is integrated with the editorial overview of the production team.

New Departures

2008 marks two further new departures in EUROMAP Communications.

- **Intensification of Press Contact**

Firstly, following the success of the press briefing held at the Kunststoffe Fair in 2007 in Düsseldorf EUROMAP has organised a larger and more formal 'EUROMAP Meets The Press' event at the Bologna Annual Assembly and this will be attended by journalists not only from Western Europe but also from markets as far afield as Japan and Russia.

- **Campaign Launched**

The second innovation is the initiation of a campaign to support the use of original equipment – 'Pro Original' - which, following launch at the Annual Assembly, will be rolled out through the member national associations. It will involve the use, on carefully controlled circumstances of a 'Pro Original' Logo.

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EUROMAP MARKETS: 2005 – 2008

Statistical Surveys

Injection Moulding Machines

The quarterly survey on new orders and sales of injection moulding machines is being continued. In order to comply with the European Anti Trust Law the scope of the survey needed to undergo some changes. From 2006 onwards company reports from all participating countries have been summarized into a EUROMAP total. In order to make up for the loss of information resulting from this change, the origins of new orders and sales are now broken down into a more detailed list of countries. These fundamental changes in contents have been complemented by a switch to new reporting software which makes online reporting possible. In the meantime all participants make use of this means of reporting.

The exchange of data between EUROMAP on the one hand side and the respective associations and manufacturers in Japan and the US on the other hand side is being continued.

Injection Moulding Machines; Sales by Applications

In early 2007 this new survey was started. Based on the total number of injection moulding machines sold in 2006 participants were asked to break down the companies' figures into several fields of applications defined prior to the survey.

Despite some problems in compiling and collecting the data and doubts regarding the quality of data, the survey was carried out again in 2008 and will be repeated at regular annual intervals. The Italian manufacturers do not take part in this survey.

Injection Moulding Machines; Electric Machines

Started in 2002 as a sub group of the quarterly survey on new orders and sales of injection moulding machines, from 2007 onwards data is broken down into three different clamping force categories in order to make the results more informative.

The new extended survey, too, is available for online reporting, it is being repeated at quarterly intervals and also exchanged with Japanese and US data.

Extruders and Extrusion Lines

From the beginning of 2006 onwards national statistical surveys carried out for manufacturers of extruders and extrusion lines in Germany, Austria and Switzerland on the one hand and Italy on the other joined to become a EUROMAP survey. Adding up sub-group results a EUROMAP total is generated.

A few new participants joined, the contents were slightly extended and new software introduced, which makes online reporting and processing of data possible. The online reporting is used by the vast majority of participants.

The exchange of data with the US manufacturers has been extended to all participants in EUROMAP countries. The US counterparts are striving to make the contents of their survey more detailed and informative for the sake of better comparability, but did not achieve this goal so far.

Changes in Nomenclature

National associations have been informed about changes in European nomenclatures which were under discussion and consideration to come into effect in 2007.

With regard to the production statistics nomenclature Prodcom, there were considerations to merge certain headings referring to calenders and rolling mills. Another suggestion is about deleting the heading covering tyre machines.

Export and import statistics were affected by changes in the international Harmonised System (HS) and the European Combined Nomenclature (CN); they mainly referred to Injection Moulding Machines.

The national associations had been requested to inform their members who might be affected and to take appropriate action where needed.

Trend Survey

Initiated in 2005, EUROMAP in July 2008 has carried through the eighth edition of its Trend Survey.

Twice a year – in January and July – EUROMAP's associations are inviting and encouraging their membership to participate in this survey. Collected national data is forwarded to EUROMAP's Markets' secretariat which, in turn, provides both National and consolidated European results.

The Trend Survey focuses on the current business situation and on expectations within the European plastics and rubber machinery industries. Tables, diagrams and comments give an overview on the development of new orders and sales in different market regions worldwide during the past six months as well as on the estimates for the current and coming months. Capacity utilisation and employment are also covered.

The overall number of participants is fluctuating with each edition of the survey and leaves room for improvement. The most recent result was based on a number of 223 participants. This total is composed of 100 replies from German manufacturers, 93 from Italy, 15 from Switzerland, six from Spain, five from Austria, two from France, one from Luxembourg and finally one from UK.

Detailed results of the Trend Survey are only available to members; nevertheless its contents are the basis for press releases.

Starting in mid 2008 online reporting to this survey has been established and offered to member associations. Unfortunately, so far only a few companies made use of this reporting method.

Economic Survey

In the period under consideration, EUROMAP continued to compile its annual Economic Survey.

In mid-May, questionnaires are mailed to all member associations, asking for the previous' year's data on production, export and import based on official statistical data or – if not available – on estimates provided by the national associations. In addition the number of companies and the overall workforce employed in our branch are to be updated. Finally, member associations are asked to give percentage growth estimates on the current year.

The survey is broken down to the core machinery business (pre-processing, converting, post-processing), moulds and dies for the plastics and rubber industries, auxiliary and peripheral equipment and finally flexographic printing machines for plastic film.

A preliminary version is compiled in June. It is only available to member companies of the national EUROMAP associations. The revised version, due in autumn, is also available to the public at EUROMAP's website at www.euromap.org.

Market Studies

Structural Changes in the Global Plastics Market

At its last General Assembly 2005 in Cologne, EUROMAP had suggested to carry out an analysis on the existing and future capacities of raw material producers worldwide and the shifts of capacities between regions. Slightly changed in contents to be covered, this job was commissioned to TOP RIGHT MARKETING SERVICES – Klaus Kohlhepp – and carried out in the first half of 2006.

The study 'Structural Changes in the Global Plastics Market' presents on some 90 pages the 1995 through 2015 development of consumption volumes broken down by a comprehensive range of polymers and subdivided as well by geographic regions and sub-regions. It also covers per capita consumption data in the regions and sub-regions under consideration. The analysis is complemented by tables with comprehensive annual data.

The results of this study are meant to enable the member companies of EUROMAP's national associations to evaluate – for the polymers relevant to their individual business – which markets will consume which volumes in the years to come, how the pattern of regional shares will change over the years and finally to deduct conclusions and strategies for their business activities.

The study is available for members to EUROMAP's national associations only.

Plastics Industry in the Middle East

In early June 2008 a new EUROMAP study has been commissioned with AMI Consulting (UK). It will cover the plastics industry in the Gulf Cooperation Council (GCC) countries Saudi Arabia, United Arab Emirates, Kuwait, Oman, Qatar and Bahrain.

The information to be developed will cover the economic, political and social background, will give brief insights into the plastics raw materials manufacturing as well as into the plastics machinery industry in these countries. Focus will be on the local plastics processing industry and on main fields of applications and customer branches. This information will be supplemented by addresses and contact data of major local organisations.

The study together with conclusions derived for the European plastics and rubber machinery manufacturers is supposed to be presented to EUROMAP member associations by AMI on the occasion of ARABPLAST in Dubai in January 2009.

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EUROMAP Exhibitions: 2005 - 2008

Coordinated calendar

EUROMAP support to a selected number of trade shows is continuing.

The main event at international level, the "K-Show" in Düsseldorf, sees an EUROMAP delegate in the K-Beirat.

For the still increasing Chinese market, EUROMAP for over 20 years has been the main sponsor of CHINAPLAS. This cooperation has allowed to offer annually to exhibitors and visitors a big and exhaustive event that - unlike the confused fair panorama that distinguishes other industrial sectors in China - is representing for the plastics and rubber industry a unique focus.

For another leading market like Russia, EUROMAP supports the biggest annual trade show INTERPLASTICA, held in Moscow and organized by Messe Düsseldorf.

Furthermore, EUROMAP gives its patronage to exhibitions organized every three years, which take place in Chicago (NPE) and New Delhi (PLASTINDIA) and in Europe our Committee supports the second triennial exhibition of the plastics and rubber sector, PLAST'09, organized by the Italian plastics and rubber processing machinery and moulds manufacturers' Association (ASSOCOMAPLAST).

Finally, in the most interesting developing countries, EUROMAP has recognized some attractive fairs: ARABPLAST (Dubai), TIPREX (Bangkok), ASEANPLAS (Singapore); whereas for the specific rubber sector EUROMAP has given its support to INDIA RUBBER EXPO (Calcutta).

In order to spread its fair policy, EUROMAP publishes on 12 trade magazines advertisements (see annex).

IPR help desk

Another initiative devoted to the surveillance of the European market, to prevent the import of machines and ancillaries that do not fulfil the Machinery Directive and CEN standards related to plastics and rubber machines, EUROMAP is studying a specific control action, on the occasion of trade fairs.

The first example will be an "IPR help desk" that, on the occasion of PLAST'09 (Milan, 24-28.3.2009), will be active to gather and point out to exhibitors and visitors machines and ancillaries that do not comply with the safety requirements and that, consequently, can be displayed but not introduced on the market.

Claudio Celata
EUROMAP Exhibitions Issues Coordinator

TECHNICAL MATTERS: 2005 - 2008

New projects

EUROMAP 30 – Extruders – Measurement of specific machine related energy consumption

Two meetings: July and October 2008.

EUROMAP 73 – Electrical Interface between Injection Moulding Machines and External Safety Devices

Draft, version 1.0, July 2008

First meeting of the working group in September 2008.

Revision of recommendations

EUROMAP 60 – Determination of specific machine related electric energy consumption

Draft, version 2.0, June 2008

2 meetings: April and June 2008. Next meeting in December 2008.

EUROMAP 64 – Injection Moulding Machines - Warning Signs

Version 1.4, May 2008

Explanatory text (USA) only updated.

EUROMAP 67 – Electrical Interface between Injection Moulding Machine and Handling Device / Robot

Version 1.7, June 2008

A further supplier added.

EUROMAP 67.1 – Electrical Interface between Shuttle- and Turntable Injection Moulding Machine and Handling Device / Robot

Version 1.2, June 2008

A further supplier added.

EUROMAP 68 – Injection Moulding Machines – Prohibition Signs

Version 1.2, May 2008

Explanatory text (USA) updated.

EUROMAP 69 – Injection Moulding Machines - Mandatory Action Signs

Version 1.1, May 2008 - Further mandatory action signs added.

Version 1.2, June 2008 – Debugged.

EUROMAP 71 – Electrical Interface between Injection Moulding Machine and Mould Changing Device

Version 1.1, February 2008

Diagram signal sequence in clause 3 was modified.

Other work items

List of Exhibits

Machinery Directory

Nomenclature permanently updated.

Revision of

- **ANSI/SPI B151.7-1996 * – Requirements for the manufacture, care and use of extrusion machines**
Information of **virtual** EUROMAP working group.
- **ANSI/SPI B151.15:2003 * – Extrusion Blow Molding Machines – Safety Requirements for Manufacture, Care, and Use**
Information of **virtual** EUROMAP working group.
- **ANSI/SPI B151.21:2003 * – Injection Blow Molding Machines – Safety Requirements for Manufacture, Care, and Use**
Information of **virtual** EUROMAP working group.
- **ANSI/SPI B151.29:2002 * –Vertical Clamp Injection molding Machines –Safety Requirements for Manufacture, Care, and Use**
Information of **virtual** EUROMAP working group.

EUROGIP Meetings / Vertical Group 4 (VG 4)

(European Co-Ordination of Notified Bodies) ,Vertical Group 4: Injection or compression moulding machine)

EUROMAP participation in January and June, 2008.

INTERNET

- List of EUROMAP recommendations permanently updated
- NEWS for each new and revised EUROMAP recommendation
- Data sheets of VG 4 permanently updated.

** in cooperation with SPI*

Report on 2007 activities

New recommendations

EUROMAP 27-6 – Pipe and Profile Extrusion Lines – Generic CANopen Interface – Part 6: Calibration-table

Version 1.0, April 2007

This part specifies the CANopen interface for calibration-table. An identical text is published under CiA 420-6 DS V1.0: CANopen Profiles for Extruder Downstream Devices, Part 6: Calibration-table.

Revision of recommendations

EUROMAP 6 – Injection Moulding Machines – Determination of the duration of the dry cycle

Version 2.0, January 2007 – Note added in clause 2.3 for clarification reasons.

EUROMAP 12 – Electrical interface between injection moulding machine and handling device

Version 1.3, July 2007 – Supplier's data amended.

EUROMAP 13 – Injection moulding machines, Core pullers, Electrical interface

Version 1.2, July 2007 – Supplier's data amended.

EUROMAP 14-1 Injection moulding machines – Hotrunners and electrical mould heating equipment, Electrical interface Part 1: Thermocouples

Version 1.1, July 2007 – Supplier's data updated.

EUROMAP 14-2 – Injection moulding machines – Hotrunners and electrical mould heating equipment, Electrical interface Part 2: Heating resistors

Version 1.2, August 2007 – Plug types added.

EUROMAP 16 – Injection moulding machines – Electrical connection of peripheral equipment with analog or digital interface

Version 1.2, July 2007 – Supplier's data amended.

EUROMAP 17 – Protocol for Communication between Plastic Processing Machinery or Central Computer and Peripheral Equipment

Version 1.2, March 2007 – Further manufacturers included.

EUROMAP 27-1 – Pipe and Profile Extrusion Lines – Generic CANopen Interface – Part 1: General Definitions

Version 3.1, July 2007 – An identical text is published under CiA 420-1 DS V3.0: CANopen Profiles for Extruder Downstream Devices, Part 1: General definitions.

EUROMAP 27-2 – Pipe and Profile Extrusion Lines - Generic CANopen Interface – Part 2: Puller

Version 3.0, April 2007 – An identical text ist published under CiA 420-2 DS V3.0: "CANopen Profiles for Extruder Downstream Devices, Part 2: Puller"

EUROMAP 27-3 – Pipe and Profile Extrusion Lines – Generic CANopen Interface – Part 3: Corrugator

Version 3.0, April 2007 – An identical text ist published under CiA 420-3 DS V3.0: "CANopen Profiles for Extruder Downstream Devices, Part 3: Corrugator"

EUROMAP 27-4 – Pipe and Profile Extrusion Lines – Generic CANopen Interface – Part 4: Saw

Version 3.0, April 2007 – An identical text ist published under CiA 420-4 DS V3.0: "CANopen Profiles for Extruder Downstream Devices, Part 4: Saw"

EUROMAP 27-5 – Pipe and Profile Extrusion Lines – Generic CANopen Interface – Part 5: Simple and advanced co-extruder

Version 2.0, April 2007 – An identical text ist published under CiA 420-5 DS V2.0: "CANopen Profiles for Extruder Downstream Devices, Part 5: Simple and advanced co-extruder"

EUROMAP 28 – Pipe and Profile Extrusion Lines - Electrical Interface for Line Speed Detecting Device (Measuring Wheel)

Version 2.0, July 2007 – Updated to meet EUROMAP 27, version 3.1; further supplier added.

EUROMAP 29 – Pipe and Profile Extrusion Lines – Electrical Interface for Downstream Equipment after CANopen haul-off

Version 2.0, July 2007 – Updated to meet EUROMAP 27, version 3.1; further supplier added.

EUROMAP 70 – Electrical Interface between Injection Moulding Machines and Magnetic Clamping Systems

Version 1.2, July 2007 – A further supplier added.

Other work items

EUROMAP List of Exhibits

EUROMAP List of Machinery for European Sourcing Service

Nomenclature permanently updated.

Revision of ANSI B151.1-1997 * – Horizontal Injection Molding Machines – Safety Requirements for Manufacture, Care, and Use

Information of **virtual** EUROMAP working group.

Revision of ANSI/SPI B151.7-1996 * – Requirements for the manufacture, care and use of extrusion machines

Information of **virtual** EUROMAP working group.

Revision of ANSI/SPI B151.15:2003 * – Extrusion Blow Molding Machines – Safety Requirements for Manufacture, Care, and Use

Information of **virtual** EUROMAP working group.

Revision of ANSI/SPI B151.21:2003 * – Injection Blow Molding Machines – Safety Requirements for Manufacture, Care, and Use

Information of **virtual** EUROMAP working group.

Revision of ANSI/SPI B151.29:2002 * –Vertical Clamp Injection molding Machines – Safety Requirements for Manufacture, Care, and Use

Information of **virtual** EUROMAP working group.

EUROGIP Meetings / Vertical Group 4 (VG 4)

(European Co-Ordination of Notified Bodies) ,Vertical Group 4: Injection or compression moulding machine)

EUROMAP participation in June, 2007.

INTERNET

- List of EUROMAP recommendations permanently updated
- NEWS for each new and revised EUROMAP recommendation
- Data sheets of VG 4 permanently updated.

* *in cooperation with SPI*

Public relations

Press releases:

EUROMAP 6, v. 2.0,	January 2007
EUROMAP 12, v. 1.3,	July 2007
EUROMAP 13, v. 1.2,	July 2007
EUROMAP 14-1, v. 1.1,	July 2007
EUROMAP 14-2, v. 1.2,	August 2007
EUROMAP 16, v. 1.2,	July 2007
EUROMAP 17, v. 1.2	April 2007
EUROMAP 27, parts 1 to 6,	April 2007
EUROMAP 28, vers. 2.0,	July 2007
EUROMAP 29, vers. 2.0,	July 2007

Report on 2006 activities

New recommendations

EUROMAP 31 – Extrusion Melt Temperature Measurement

Version 1.0, February 2006

In this document a method to measure a representative mean value of the melt temperature in a flow channel with a circular cross section is defined. It allows the comparison of measuring data from different sources.

EUROMAP 72 - Horizontal injection Moulding Machines

Version 1.0, January 2006

It is intended to facilitate the design, installation and normal use of a new magnetic clamping system on a horizontal injection moulding machine. It identifies and addresses known hazards to personnel and equipment. Moreover the responsibilities for the different parties concerned are given.

Revision of recommendations

EUROMAP 12 – Electrical interface between injection moulding machine and handling device

Version 1.2, October 2006 – A further supplier added.

EUROMAP 13 – Injection moulding machines, Core pullers, Electrical interface

Version 1.1, October 2006 – A further supplier added

EUROMAP 14-2 – Injection moulding machines – Hotrunners and electrical mould heating equipment, Electrical interface Part 2: Heating resistors

Version 1.1, October 2006 – A further supplier added.

EUROMAP 16 – Injection moulding machines – Electrical connection of peripheral equipment with analog or digital interface

Version 1.1, October 2006 – A further supplier added.

EUROMAP 62 – Injection Moulding Machines – Electrical Interface for Fluid Injector Systems

Version 1.2, October 2006: A further supplier added.

EUROMAP 64 – Injection moulding machines - Warning Signs

Version 1.2, February, 2006

References to other standards updated, further warning signs added.

Version 1.3, December 2006 – Debugged (No. 1, US text).

EUROMAP 65 – Injection Moulding Machines - User Identification

Version 1.1, March 2006 – Language code ISO 639-2/B selected.

EUROMAP 67 – Electrical Interface between Injection Moulding Machine and Handling Device / Robot

Version 1.6, February 2006 – Maximum delay for safety signals transmitted via 2 channels added in clause 2.3.

EUROMAP 67.1 - Electrical Interface between Shuttle- and Turntable Injection Moulding Machine and Handling Device / Robot

Version 1.1, February 2006 – Maximum delay for safety signals transmitted via 2 channels added in clause 2.3.

EUROMAP 68 – Injection Moulding Machines – Prohibition Signs

Version 1.1, April 2006

References to other standards updated, further prohibition signs added.

Other work items

EUROMAP List of Exhibits

EUROMAP List of Machinery for European Sourcing Service

Nomenclature permanently updated.

Revision of ANSI B151.1-1997 * – Horizontal Injection Molding Machines – Safety Requirements for Manufacture, Care, and Use

Information of **virtual** EUROMAP working group.

Revision of ANSI/SPI B151.7-1996 * – Requirements for the manufacture, care and use of extrusion machines

Information of **virtual** EUROMAP working group.

Revision of ANSI/SPI B151.29:2002 * –Vertical Clamp Injection molding Machines – Safety Requirements for Manufacture, Care, and Use

Information of **virtual** EUROMAP working group.

EUROGIP Meetings / Vertical Group 4 (VG 4)

EUROMAP participation in May and December 2006.

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Public relations

Press releases:

EUROMAP 12, v. 1.2,	October 2006
EUROMAP 13, v. 1.1,	October 2006
EUROMAP 14-2, v. 1.1,	October 2006
EUROMAP 16, v. 1.1,	October 2006
EUROMAP 31, v. 1.0,	February 2006
EUROMAP 62, v. 1.2	October 2006
EUROMAP 64, v. 1.3	December 2006
EUROMAP 65, v. 1.1	February 2006
EUROMAP 67, v. 1.6	October 2006
EUROMAP 67.1, v. 1.1	February 2006
EUROMAP 68, v. 1.1	April 2006

Report on 2005 activities

New recommendations

EUROMAP 62 – Injection Moulding Machines – Electrical Interface for Fluid Injector Systems

Published June 2005, Revised; version 1.1, August 2005.

EUROMAP 65 – Injection Moulding Machines – User Identification

Published June 2005.

EUROMAP 67 – Electrical Interface between Injection Moulding Machine and Handling Device/Robot

Published February 2003

Revised: version 1.2, December 2003, version 1.3, January 2004, version 1.4, July 2005, version 1.5, September 2005.

Revision of recommendations

EUROMAP 64 * – Injection Moulding Machines – Warning Signs

EUROMAP 67 *– Electrical Interface between Injection Moulding Machine and Handling Device/Robot

EUROMAP 68 *– Injection Moulding Machines - Prohibition Signs

EUROMAP 69 *– Injection Moulding Machines - Mandatory Action Signs

EUROMAP 70 *– Electrical Interface between Injection Moulding Machines and Magnetic Clamping Systems

* *in cooperation with SPI*

Other work items

EUROMAP list of exhibits

EUROMAP List of Machinery for European Sourcing Service

Revision of ANSI B151.1-1997 – Horizontal Injection Molding Machines – Safety Requirements for Manufacture, Care, and Use *

EUROGIP Meetings / Vertical Group 4 (VG 4)

EUROVIPP (European Virtual Institute for Plastics Processing) – Meetings of Advisory Group

Revision of ANSI/SPI B151.7-1996 – Requirements for the manufacture, care and use of extrusion machines *

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Public relations

Press releases:

EUROMAP 62, vers. 1.0, June 2005

EUROMAP 65, vers. 1.0, June 2005

EUROMAP 67, vers. 1.5, September 2005

*** in cooperation with SPI**

September 2008

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