INOSSIDABILE

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Summary

For more detailed information please contact directly the names indicated at the end of each notification

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STAINLESS STEEL BOTTLES AND FLASKS: A SAFE CHOISE FOR THE ENVIRONMENT AND HEALTH
(Bottiglie e borracce inox: una scelta sicura per l'ambiente e per la salute)
Whether on a picnic in the mountains or for the long days at the office, you cannot do without bottles and flasks to maintain a proper level of hydration. Common plastic containers, made of PET are handy due to their lightness. However, this material can cause health issues. PET contains bisphenol A (BPA). This organic compound has been linked to various diseases such as breast tumours and infertility. In recent years, consumers have become more aware of this and they are increasingly turning towards stainless steel. There are many advantages of choosing this alloy over plastic. Its production has a lower environmental impact, it is totally recyclable, hygienic and does not corrode in contact with drinks. In addition, stainless steel containers are very light and have excellent insulating properties.
Producer: 24Bottles® is a trademark of DESIGN24 s.a.s. di Melotti & C. – Via delle Fosse Ardeatine, 8 – I-40139 Bologna BO – Office: Via Bruno Tosarelli, 284 – I-40055 Villanova di Castenaso BO, info@24bottles.com, www.24bottles.com / ***Designer:*** Luca D'Ambrosio

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PAINTING ON A METALLIC… CANVAS
(Quadro su tela… metallica)
In Vimercate, twenty kilometres from the centre of Milan, the Energy Park technological centre was established in 2009 for those companies operating in the information technology, telecommunication and advanced research areas. The anechoic chamber is located in one of the most recent buildings, and one of its distinguishing features is represented by a semi-transparent metal crown, covered with stainless steel wire mesh. The company producing the product supplied 1,300 square meters of EN 1.4401 (AISI 316) stainless steel wire mesh. What stands out is the graphic reproduction of a series of trees, made on the wire mesh through a process of digital oxidation. The tree-lined motif embellishes the structure in an unusual and elegant way, highlighting the energy saving goal of which Energy Park is the promoter.
Producer: Tessitura Tele Metalliche ROSSI OLIVIERO & C. s.r.l. – Via dell'Artigianato, 16 – I-22079 Villa Guardia CO, phone +39 031 480350, info@ttmrossi.it, www.ttmrossi.it

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CENTRO INOX SERVIZI SRL AFFILIATES
(Gli affiliati alla Centro Inox Servizi S.r.l.)
In a world where with a simple "click" you can access any type of information, the general user can have problems in making choices especially if they operate in niche and technically well-defined sectors. Since 1995, alongside Centro Inox Association, Centro Inox Servizi srl allows "dedicated" and broad-based technical consultancy. It is possible to purchase an annual package of services which follows a well-tested programme. The most recent introduction is the "Affiliation" package which provides a whole series of promotional advantages in various areas and gives the opportunity to the "affiliate" to publicise its range of products and services to the interested technical public. There are now 15 companies that have joined this initiative, all involved for various reasons in the stainless steel sector – trade, service centers, laboratories, etc. With this formula, we try to forge an ever-closer link between affiliates and the whole market of stainless steel users. To find out more about all the services offered to affiliates you can consult the site: www.centroinox.it/affiliazione

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HEAT TREATMENTS FOR STAINLESS STEEL AND NICKEL ALLOYS
(I trattamenti termici per acciai inossidabili e leghe di nichel)
16 October 2018 – 9.00 a.m., Nerviano (MI)
Hotel dei Giardini
PROGRAMME:
8.30 a.m. - 9.00 a.m. – Registration of participants
- **Introduction to the works: the reason for the theoretical-practical courses**
  F. Capelli, P. Viganò – Centro Inox, Milan
- **Metallurgical meanings and performance requirements**
  L. Cislaghi, A. Magistrelli – T.T.N., Nerviano
- **Conventional heat treatments for the main families of stainless steels. Temperatures / durations/ cooling media/ atmospheres, etc.**
  D. Mattavelli, A. Casagrande – T.T.N., Nerviano
  Debate – Coffee break
- **Heat treatments for PH stainless steel/ superaustenitic and super-duplex stainless steels/ nickel alloys**
  R. Bertelli, A. Norberti – Acciaierie Valbruna, Vicenza
- **Criticalities deriving from incorrect heat treatments (grain enlargement, precipitated, carbides, etc.)**
  R. Bertelli, S. Bedin – Acciaierie Valbruna, Vicenza
- **Heat treatment techniques in the production of welded pipes**
  S. Toscano – Marcegaglia Specialties, Forlimpopoli
  Debate – Lunch break

2.00 p.m. – Continuation
- **Pre and post welding heat treatments: when are they useful?**
  G. Garbarino – Italian Institute of Welding, Genoa
- **Surface hardening treatments: tradition and innovation (nitriding, PVD, DLC)**
  M. Ferrando, T. Sanvito – T.T.N., Nerviano
- **Guided tour of the facilities at T.T.N., in Nerviano (MI)**

The course will be structured with both a theoretical and a practical-applicative part. The official language will be Italian.
For further information:
Centro Inox – tel. 02 86450559/69
eventi@centroinox.it, www.centroinox.it,

WATER AND STAINLESS STEEL: A WINNING COMBINATION FOR THE FUTURE
(Acqua e acciaio inox: un connubio vincente per il futuro)
ACCADUEO – BolognaFiere – 17 October 2018 – room G - "CH4" – 2.30 p.m. - 5.30 p.m.
PROGRAMME:
- **Introduction to the work: stainless steel is a "cheap" material**
  F. Capelli, P. Viganò – Centro Inox, Milano
- **Hydraulic characterisation of stainless steel pipes**
  E. Orsi – Polytechnic University of Milan, Milan
- **Stainless steel and the integrated drinking water cycle**
  R. Savarino – C.d.I. Consulenze di Ingegneria, Pavia
- **The corrosion of stainless steel in water services: the behaviour of welded joints**
  M. De Marco – Italian Institute of Welding, Genoa
- **What is happening in the rest of the world: the examples of Tokyo and Taipei**
  B. Van Hecke – Nickel Institute, Brussels

The meeting will take place during the ACCADUEO exhibition. Centro Inox will be present for the entire duration of the event with a stand. The official language will be Italian.
For further information:
Centro Inox – tel. 02 86450559/69
eventi@centroinox.it, www.centroinox.it,
www.accadueo.com

MECHANICAL TESTS ON STAINLESS STEEL: FROM THEORY TO PRACTICE
(Le prove meccaniche sugli acciai inossidabili: dalla teoria alla pratica)
FLASH COURSE – RTM BREDA, Carrè (VI) – 30 October 2018 – 9.00 a.m. - 1.00 p.m.
The official language will be Italian.
For information and registration:
Centro Inox – tel. 02 86450559/69
www.centroinox.it – eventi@centroinox.it

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FCMs (FOOD CONTACT MATERIALS) AND STAINLESS STEELS
(M.O.C.A. (Materiali ed Oggetti a Contatto con Alimenti) e acciai inossidabili)
University of Milan – Palazzo Greppi – Sala Napoleonica – Milan – 26 November 2018 – 9.00 a.m.
In order to provide a contribution to the whole chain of companies involved in the stainless steel sector destined to the food sector (producers, service centers, final processing firms, etc.), it was decided to organize a study day centered on FCMs (Food Contact Materials). National and European National and European Regulations and the related Decrees will be discussed, the documents to be produced, together with the compliance declaration, according to the position the interested companies assume in the abovementioned chain. There are many interconnected issues to be addressed on this issue. For example, the import of both base and already transformed products, documents or tests to be carried out in order to include a new material in the positive list, etc., should be considered. An attempt was made to examine the most important aspects, with important speakers from the academic world, Ministry of Health, relevant authorities, user companies and accredited laboratories. There are witnesses from companies which had to comply with certain obligations which are useful for the technical public that will participate.
PROGRAMME:
8.30 a.m. – 9.00 a.m. – Registration of participants
- **Participants welcome and introduction to the works**
  F. Capelli – Centro Inox, Milan
- **Stainless steel: the ideal partner in the food industry**
  R. Guidetti – University of Milan, Milan
- **National and European regulatory framework for food contact materials: regulations EC 1935/2004 – EC 2023/2006 – MD 21/03/73. The passage in order to insert a new stainless steel in the positive list**
  M. Capasso – Italian Ministry of Health
- **Compliance declaration**
  Italian Ministry of Health
  Debate – Coffee break
- **Witnesses from companies belonging to the food industry chain: producers/ service centers/ processing firms). Some examples of compliance declarations**
  Marcegaglia – Euro Inox – Pinti Inox
- **Penalty Decree LD 29 of 10/02/17**
  Italian Ministry of Health
  Debate – Lunch break

2.00 p.m. – Continuation
- **Import and export issues: steel product and final product (importer responsibility)**
  Federacciai – Italian Revenue Agency
- **Main materials used in the food industry (some examples included in the positive list). The positive list part A and part B**
  P. Viganò – Centro Inox, Milan
- **Leaching tests: experiences and witnesses from an accredited laboratory**
  G. Rivolta, M. Bertoldi – RTM Breda, Vicenza

The official language will be Italian.
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Centro Inox – tel. 02 86450559/69
eventi@centroinox.it, www.centroinox.it

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IMPERISHABLE ARTISTIC SIGNS
(Segni artistici imperituri)
The examples reported in the article are representative of how stainless steel can be moulded and worked on the surface according to the desire of an artist. They show the ability of austenitic stainless steel to be cold worked, thanks to the high ultimate elongation values it can reach. These qualities, together with the possibility to obtain special finishes, allowed the sculptor Helidon Xhixha, to choose for years EN 1.4401 (AISI 316) stainless steel, as the main material for his works. In the article two sculptures are reported: "Order and Chaos", made of mirror-polished stainless steel, and "Knowledge", obtained from strips and sheets of the same material with a mirror-polished finish.
Artist: Helidon Xhixha – info@helidonxhixha.com, www.helidonxhixha.com

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