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

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STAINLESS STEEL FOR THE DEFENCE OF PARIS

(L'acciaio inossidabile per la difesa di Parigi)

A stainless steel paneling has given a new aspect to the old building of the French Ministry of Defence, called "Tour F". Today, the building shows an external surface of 12,000 sq. m. curtain walls, which were made using a structural cell system with glass and metal infill frames. In addition, the southern façade of the building is further covered with a "second skin" of over 5,800 sq. m. sunbreaking panels made of EN 1.4404 (AISI 316 L) satin-finished and perforated stainless steel sheet. The supporting structure of the sun-breaking panels is spaced out of the façade so as to allow easy cleaning and maintenance operations. Furthermore, the decision to use perforated sheet panels has allowed to lighten the overall structure of the building. The supply of these panels was made by an Italian leading company in the area of perforated

Manufacturing company: Gatti Precorvi S.r.l. – Via Lombardia – I-124030 Medolago BG, phone +39 035 4993311, fax +39 035 4993402, vendite@gattiprecorvi.com, www.gattiprecorviengineering.com / Main Contractor: Simco Tecnovering S.r.l. – Noventa di Piave VE

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PLANTS FOR THE CERAMIC INDUSTRY (Impianti per l'industria ceramica)

The company this article is focused on is a manufacturer of plants that largely make use of stainless steel, in particular as regards the air distribution ring, the inner surface of the drying tower, and the exhausted air extraction circuit. The machine is formed by a drying tower made of EN 1.4016 (AISI 430), and the exhausted air extraction circuit - which is more subject to the build-up of condensation - is made of EN 1.4301 (AISI 304). The parts of the combustion chamber that come into contact with the burner flame, are made of EN 1.4845 (AISI 310 S) stainless steel, which is particularly resistant to high temperatures. In case of particular conditions, applications, or requirements depending on the raw materials to be used or on the products to be manufactured, the tower is covered with EN 1.4307 (AISI 304 L) or EN 1.4541 (AISI 321) austenitic stainless steel. These materials are all purchased either in coils (in width ranging between 1,250 and 1,500 mm, and thicknesses between 2 and 3 mm) or in 1.5 to 4 mm thick sheets. All these materials are supplied with 2B finish.

Project and manufacture: Sacmi Imola S.C. – Via Selice Provinciale 17/A – I-40026 Imola BO, phone +39 0542 607111, fax +39 0542 642354, www. sacmi.it, sacmi@sacmi.it / Stainless steel produced by: Aperam Stainless Services & Solutions Italy S.r.l. – Divisione Massalengo – Loc. Priora – I-26815 Massalengo LO, phone +39 0371 49041, fax +39 0371 490475, www.aperam.com, leonardo. frosali@aperam.com

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FROM OUR MEMBERS UGITECH

INNOVATION IS OUR GUIDE

(Ugitech - L'innovazione ci guida)

Ugitech is a company that belongs to the Schmolz + Bickenbach Group, the major European manufacturer of long products made of stainless steel, and the fourth in Europe as regards construction steels. Bars, wire rods, and drawn wire form the three mainstays of the company overall offer. Ugitech combines tradition with state-of-the-art technology, thanks to its research centre, which is considered one of the most important ones of the whole industrial sector. In addition to the casting departments, Ugitech includes a hot-rolling department, and a cold-process and drawing department, which are structured to meet most customer needs.

Ugitech Identity Card - Size range: 205 mm blooms and billets from 50 to 120 mm; round bars from 1.5 to 400 mm; hexagonal bars from 2 to 55 mm; round and hexagonal wire rod (from 5 to 32 mm, supplied in 450 and 900 kg coils); drawn wire in diameters from 15 micron to 18 mm. Ugitech, Investing for the Future - Today, all Ugitech managers confirm their involvement and commitment to the company and to environmental issues, respectful towards laws and regulations concerning health, safety, and environment. Paying the utmost attention to the requirements of their customers, they put team spirit and solidarity into practice, aiming at changing the company into a flexible entity through innovation - in order to diversify it from competitors -, and through a careful cost management policy and a continuous pursuit of excellence. A Number of Developed Programs of Action – Development of renewable energy: solar energy; solar panels covering an overall 20,000 sq. m surface and developing 2,500 kW power; waste recycling and exploitation systems; energy saving planning; Ugigreen® registered trademark to promote inside and outside the company the measures adopted by Ugitech as regards its processes and products. Main Actions - Water: The Ugine plant succeeded in reducing water consumption by two thirds in the course of ten years only. Iron and steel derivatives: Ugitech improves and enhances the value of waste and refuse, which are disposed and reused as base layers in road construction; powders originated by smoke abatement systems; rolling plant sludge and sludge resulting from the treatment of metal hydroxides. The handling of these products began in 1995 with the installation of an in-house waste separator. CO₂: The iron and steel industry is particularly involved in the reduction of greenhouse-effect gas emissions. Ugitech, too, has put an energy reduction plan into effect in order to conform its needs to those specified by the national regulations. Innovation - ESR: Within the number of innovations adopted by Ugitech, one of the latest big investments concerned the installation of an ESR (Electro Slag

Remelting) system. The system began working in 2007, and after the setting-up period, is now fully operating. Attention to Customers in Order to Conform the Offer to their Requirements, and Consequent Process Development - This activity is based on four major mainstays: reliability of the company's industrial instruments, development of human resource skills and expertise, improvement of product quality, and production cost management. **Technical Assistance** – To support its sales network and provide its customers with an appropriate and reliable technical support, Ugitech has made available its network of specialized engineers and operators. Stainless Steel with a Vocation to Machine Tool Making - Ugitech has developed the vocation of its steel to the improvement of machinability not only as regards re-sulphurized grades. The company can supply 22 different and most common steel grades with improved workability (Ugima®), and some of them have been further improved (Ugima® 2, HM).

SCHMOLZ + BICKENBACH Inox Srl – Via G. Di Vittorio 32 – I-20068 Peschiera Borromeo MI, phone +39 02 547769-1, fax +39 +39 02 54302343, www.schmolz-bickenbach.com

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END OF EN 10088-1/-2/-3 AND EN 10217-7 STANDARDS REVISION

(Conclusa la revisione delle EN 10088-1/-2/-3 e della EN 10217-7)

The new edition of EN 10088-1 (Stainless steels -Part 1: List of stainless steels), EN 10088-2 (Stainless steels - Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes), EN 10088-3 (Stainless steels - Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes), and EN 10217-7 (Welded steel tubes for pressure purposes - Technical delivery conditions – Part 7: Stainless steel tubes) standards was published in the month of October 2014. Through the issuing of these new standards, the long revision process required for updating their contents and conforming them to the current stainless steel market requirements has come to an end. EN 10088 is the most important set of European standards concerning stainless steels, since they report the chemical composition, the physical and mechanical characteristics, and the supply conditions of 182 different stainless steel grades, divided into austenitic, austeno-ferritic (duplex), ferritic, martensitic, and precipitation-hardening (PH) types. The revision of the first three parts began in 2010 and positively ended in October 2014. This is the third revision since 1997, the year in which the first edition of these standards was published. On a European scale, EN 10217-7 is undoubtedly the most important and used standard concerning stainless steel welded tubes. This standard specifies the supply and technical conditions of round-section welded tubes of 23 different grades of corrosion-



resistant stainless steel (austenitic and austenoferritic or duplex steels) for pressure applications at either high or low ambient temperatures.

Photos: from Inossidabile 158,170,171,196

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A "STAINLESS" WELLNESS

(Un benessere...inossidabile)

This manufacturing company, which recently subscribed the package of services offered by Centro Inox Servizi S.r.l., has chosen to use exclusively stainless steel for the construction of its spas, since this material guarantees long durability over time, absence of thermal shocks, maximum hygiene, easy cleaning properties, and high resistance against corrosion. The body makes use of 2.5 mm thick EN 1.4404 (AISI 316 L) stainless steel sheets, which are externally shaped and welded by MIG technology, and internally by using TIG technology, in order to ensure their effective tightness even after many years. The freestanding supporting frame is made of EN 1.4301 (AISI 304) stainless steel, while all fasteners, screws and bolts are made of A 4 (AISI 316 L) stainless steel. Stainless steel is also proposed for the paneling, and it is possible to supply customized panels combining Scotch-Brite and mirror-finish polished stainless steel.

Project and manufacture: Egoè Italian Luxury Spas – Via Val d'Aosta 7/B – I-36015 Schio VI, phone +39 0445 576518, info@egoe.it, www.egoe.it

GLAMOUR IS ITALIAN (Il glamour è italiano)

Stainless steel and glass harmoniously combine to create a staircase, called Mathis, the elegant transparencies of which characterize a well-known fashion store in New York. The staircase is entirely made of triple10-laminated tempered glass, and fittings and handrails are made of EN 1.4301 (AISI 304) stainless steel. An eccentric fabric that simulates a python skin, produced by the famous clothing brand of the store, is applied on one of the two PVB layers inserted between the glass panels that form the steps of the staircase. Transparency, integration and perfect personalization are the result of the placement of Mathis inside the store.

Project and production: Faraone S.r.l. – Via Po 12 – I-64018 Tortoreto Lido TE, phone +39 0861 784200, fax +39 0861 781035, communication@faraone.it, www.faraone.it / *Customer:* Flagship Store Just Cavalli, New York, SoHo

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THE PRODUCTION CYCLE OF A STAINLESS STEEL COFFEEPOT

(Il ciclo operativo di una caffettiera... inossidabile)

All the elements that compose the Moka coffeepot, except the safety valve, are made of EN 1.4301 (AISI 304) stainless steel in thicknesses ranging from 0.8 to 3 mm. The production processes are extremely varied, and include: laser cutting, shearing, deep drawing, trimming, deburring, edging, threading, resistance welding, laser welding, annealing, burnishing, mechanical polishing, electrolytic polishing, washing and assembly. The excellent resistance of AISI 304 against corrosion and against the aggression of chemical agents even after having been submitted to heavy and intensive processes during the production cycle, allows users to rely over time on a safe use of these products for all household applications and in all climatic

Project, design and production: Alessi S.p.A. – Via Privata Alessi 6 – I-28887 Crusinallo VB, phone +39 0323 868611, www.alessi.com / **Stainless**

steel produced by: Aperam Stainless Services & Solutions Italy S.r.l. – Divisione Massalengo – Loc. Priora – I-26815 Massalengo LO, phone +39 0371 49041, fax +39 0371 490475, www.aperam.com, leonardo.frosali@aperam.com

AN ECO-FRIENDLY AND INTELLIGENT STREET LAMP

(Un lampione ecologico e intelligente)

A company based in the Apulia region has manufactured the first urban street lamp capable to produce by itself the necessary electric power for its functioning, and to manage the stored electric charge in an intelligent way. The body of the lamp is entirely made of Scotch-Brite finish EN 1.4301 (AISI 304) stainless steel. The support of the solar panel, too, is made of EN 1.4301 (AISI 304), and allows an optimal adjustment of both the azimuth and the tilt. In the standard version, the lamppost is supplied in EN 1.4301 (AISI 304) SB, and is coupled with a fir-tree pre-treated and painted strip. **Project and production:** Lamp "Cubico", Ecoenergia Pugliese S.r.l. – Via Cellamare 26 – I-70010 Capurso BA, phone +39 080 4509890 –

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+39 080 4553245, fax +39 080 4553245, info@

ecoenergiapugliese.com, www.ecoenergiapugliese.

MADE IN STEEL

fieramilano (Rho), Milan – May 20÷22, 2015

The sixth edition of the most important appointment in southern Europe dedicated to the iron and steel production chain - from steel production to use will be held from May 20 to May 22, 2015, in the halls of fieramilano (the new exhibition centre based in Rho). This event, which can be summarized by the phrase "We Steel Believe", will be focused on stainless steel. "Made in Steel" will take place in conjunction with the opening of the event "EXPO 2015 - Feeding the Planet. Energy for Life". The geographic and thematic closeness of these two events will offer the stainless steel industry, which finds in the food industry an important outlet market, a number of themes and topics to be discussed and studied in depth. The centrality of these themes is further confirmed by the sponsorship of Centro Inox, which for the fifth time puts its trust in this exhibition by granting its support. In addition, on that occasion, on May 21, 2015, Centro Inox will organize in the afternoon, in partnership with "Made in Steel", a conference focused on the theme "Stainless Steel and Foodstuffs Safety", and will attend the exhibition with its stand during the three days of the event

Additional information: MADE IN STEEL S.R.L., phone +39 030 2548520, fax +39 030 2549833 – info@madeinsteel.it – www.madeinsteel.it / Centro Inox, phone +39 02 86450559, fax +39 02 860986, eventi@centroinox.it, www.centroinox.it

NATIONAL WELDING DAYS – GNS 8 Porto Antico, Genoa – May 28 and 29, 2015 (Giornate Nazionali di Saldatura)

This event, which has arrived now to its eighth edition, and is organized by Istituto Italiano della Saldatura at the Congress Centre of the Ancient Port of Genoa, will prove a unique opportunity for the world of welded constructions, since over 1,500 Italian and foreign engineers and technicians, experts and researchers are expected to take part in it. Within the two days of the convention, several events and meetings will be simultaneously held: thematic workshops focused on issues of great industrial interest, technical reports, technical and commercial presentations, as well as a set of advanced specialized courses. An exhibition area will be organized, and within it Centro Inox will be

present with its stand.

Additional information: www.gns.iis.it - Manager of the Event: Ing. Michele Murgia, phone +39 010 8341405, michele.murgia@iis.it - Organizational Secretariat: Ms. Ivana Limardo, phone +39 010 8341373, gns8@iis.it

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EXPO 2015 - THE PROPOSALS OF CENTRO INOX

(Expo 2015 - Le proposte di Centro Inox)

Centro Inox subscribed the "First international call for ideas aimed at developing the cultural program of the Pavillion of Civil Society at EXPO Milano 2015" in order to participate in the project "Exploding energies to change the world" with three proposals:

- A stand during the week June 8-14, 2015 for the launch of the "Educational program for the promotion of the technical and market knowledge of stainless steels";
- A half-day meeting, on June 10, 2015 focused on "Production and conservation of foodstuffs: the stainless steel hygienic chain";
- A half-day meeting, on September 24, 2015, focused on "Stainless steel. Eco-sustainability and recyclability".

Additional information: Centro Inox, phone +39 02 86450559/69, eventi@centroinox.it, www.centroinox.it, / Fondazione Cascina Triulza, www.fondazionetriulza.org

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FROM SIMPLE GABIONS TO OUTDOOR FURNITURE SOLUTIONS

(Da semplici contenitori a prestigiose soluzioni d'arredo)

This manufacturing company has completely upset the concept of the gabions used for building gravity walls, changing them into outdoor furniture solutions. These gabions are exclusively made of stainless steel wire, in virtue of the most peculiar characteristics of this material, i.e. corrosion resistance, absence of sharp edges, high level of aesthetic properties, structural certification (which is necessary when these structures become parapets or arches), excellent integration with other materials, easy assembling and dismantling characteristics, and complete recyclability of end-of-life gabions. In this particular case, the stainless steel used grade is EN 1.4306 (AISI 304 L) in areas presenting low environmental aggression, and EN 1.4401 (AISI 316) in the case of swimming pools on in areas with a strong presence of salt (on road sides or near to the sea).

Project and manufacture: Zanettin Srl – Via Ciclamini 42 – I-38034 Cembra TN, phone +39 0461 682122, fax +39 0461 683188, info@zanettin. it, www.zanettin.it

CENTRO INOX

The Italian Stainless Steel Development Association



Piazza Velasca, 10 - 20122 Milano - Italy Telephone +39 02 86450559 - +39 02 86450569 Fax +39 02 860986

redazione.inossidabile@centroinox.it www.centroinox.it

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