



Focus on

Ice and aluminium fuel rockets



A novel rocket fuel could revolutionise space travel. The surprisingly simple mixture of water and extremely fine aluminium particles is said to be more eco-friendly and safer than conventional rocket fuel but just as powerful. It is decades since the first rockets headed skywards. However, although the rockets themselves have since undergone rapid development, the fuels used today are to a large extent the same as they were over 50 years ago. A mixture of metal and ice could now result in a decisive step forward. According to its developer, it should not only make rocket launches cleaner but it could also allow refuelling to take place during journeys to far-off destinations outside our solar system. The new fuel uses aluminium in the form of nanoparticles that offer a larger reaction surface and have a protective oxide layer that is only a few molecules thick. This can easily be opened

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From The Companies

information from the Community members....

OTEFAL GROUP
DWALL SIGN be creative

EURAL GNUTTI SPA
Foundry: new homogenization equipment

A.T.I.E. UNO INFORMATICA
Extrusion Analysis Intelligence: the best way for production data analysis

images, tables, technical draws, graphics ...
A technical instrument of great utility
only in Italian

LA FONDERIA DI ALLUMINIO NELLA PRATICA QUOTIDIANA

foundry equipment EUROPE
INTERNATIONAL FOUNDRY EQUIPMENT EXHIBITION
14 - 17 April 2010
Garda Exhibition Centre
Montichiari-Brescia-Italy

Latest picks

The Properties of Aluminium and Its Alloys

For over 30 years, the Aluminium Federation's 'The Properties of Aluminium and Its Alloys' handbook has been regarded as the technical 'bible' for the UK Aluminium Industry. Used by aluminium producers and users, processors, stockholders, designers, R&D facilities, Universities

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Edimet publications



The diecasting of aluminum alloys: numeric process simulation.

OnLine picture gallery



Jaguar XJ: Goddess On Four Wheels

Aluminium laser welding

"Aluminium welding: new prospects for the modern laser technology". This is the topic that will be dealt with during the opening convention of EXPOLaser 2009 on Thursday November 19th thanks to the contributions of companies such as Tube Tech Machinery, Trumpf, BIAS, IPG Photonics Italia and Metra as well as of the University of Brescia (info@piacenzaexpo.it - www.piacenzaexpo.it). Aluminium laser welding is a topical issue that is fast spreading throughout the world of light alloys. Performance and operational flexibility well combine with key

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Emirates Aluminum ready in December

Reuters reported that Emirates Aluminum, the JV between Dubai Aluminium Company Limited and Abu Dhabi's Mubadala Development Company, is expected to start production next month. Mr Waleed Al Muhairi COO of Mubadala said that the world's biggest single aluminium smelter

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Metal Prices

Non Ferrous Metal prices		
LME official of 11/13/2009		
	Cash (ASK)	3 months (ASK)
Aluminium	0	0
Aluminium alloy	0	0
Nickel	0	0
Lead	0	0
Copper	0	0
Tin	0	0
Zinc	0	0

Technical analysis: by Kauffmann & Sons



Aluminium QUOTATION (USD)

	3 MONTH		CASH		Support
	BID	ASK	BID	ASK	
Resistance					
2110	1930	1940	1898	1908	1870
2020					1825
	Totals		Movements		
STOCKS	4539625		-2475		
RSI	48,87				
Short period trend			SIDE		
Medium period trend			SIDE		

ASK : the quoted market selling price.
 BID: the quoted market buying price
 CASH: the current price in the market for cash/spot contracts
 3 MONTHS: the current price in the market for a delivery delayed of 3 months
 SUPPORT: a price area where new buying is likely to come in and stem any decline
 RESISTANCE: a price area where new selling will emerge to dampen a continued rise

News from the aluplanet.com archive

2009: the uncertain building sector

In 2008, the building sector in Western Europe absorbed an estimated 3.0 million tonnes of aluminium as part of an ongoing upward trend. Around 1.7 million tonnes was used for profiles, making this sector by far the largest market for extruded products. A more modest, but still substantial, ..read more www.aluplanet.com

New concepts for diecasting

Great news is on its way in the diecasting industry. A patent application was submitted for the design of a new machine that, once made, will surely provide excellence in the field. This project holds many and pragmatic benefits, and is adjustable to various tonnages. So let's take ..read more www.aluplanet.com

A multipurpose anodising plant for non ferrous metals

During the last years magnesium is increasing in its use for a wide application field, but even aluminium is still commonly used for a lot of different purposes. Even if the two metals have a completely different chemistry and are similar only for mechanical or physical characteristics, ..read more www.aluplanet.com

Upcoming Events

- 19 - 21 Piacenza, Italy EXPOLaser 2009
- Nov 2009
- 2 - 5 Jakarta, Manufacturing Indonesia 2009
- Dec 2009 Indonesia
- 19 - 21 Nuremberg, Euroguss 2010
- Jan 2010 Germany

An updated list is available on www.aluplanet.com

New "Info&Prezzi Metalli"
Metals' prices via SMS!

Latest non ferrous Metals Prices, indexes of the most important Stock Markets and a particular trend indicator (KI Index - Kauffmann index)

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