

**Aerospace**

Aerospace market still holding up despite several challenges March/April 31  
Aerospace research at Alcan, Voreppe March/April 34  
Farnborough 2010 sees composites in the air Sept/Oct 98

**ALFED**

Climate change policy provides talking point at ALFED meeting May/June 47  
ALFED urges more government support Nov/Dec 13

**Analysis & Testing**

Alcan R&D centre May/June 48  
Automatic ultrasonic testing of extrusion billet and forging stock July/Aug 19  
Automated Batchpilot helps increase furnace productivity July/Aug 36  
Rapid response hydrogen fluoride analyser July/Aug 28  
The analytical spectrum July/Aug 22  
Handheld spectrometer delivers results July/Aug 28  
Learning to work with UV light July/Aug 24  
Optical measurement of profiles & blanks July/Aug 29

**Automotive**

Reviving the demand for automobiles in N America May/June 39  
Wheels to withstand 1000mph May/June 45

**Casthouse**

State-of-the-art casthouse for Assan Aluminium Diloasi Alcastek 2010 - A report on the Mumbai-based event Jan/Feb 50  
25-26 February March/April 19  
Optifine potent grain refiner reduces risk of cracked ingots and billet March/April 24  
Advanced submersion melting using 'Genios' Sept/Oct 53  
Continuous rod casting spouts for longer casts Sept/Oct 56  
Flexible graphite for the casthouse Sept/Oct 56

**China update**

Doors and windows Jan/Feb 16  
Aluminium demand set to increase in 2010 March/April 16  
Foil markets faces up to its challenges May/June 14  
China faces decisions over surplus capacity July/Aug 15  
Exports and demand drives China aluminium wheel market Sept/Oct 16  
Nonferrous capacity cuts? Sept/Oct 16

**Conference report**

TMS 2010 talking points March/April 46  
Moscow event attracts 9200 visitors July/Aug 39  
INALCO 2010 - Sept/Oct 71  
CRU's world aluminium event Sept/Oct 79  
Expoaluminio 2010 Sept/Oct 84

**Environment**

UK energy efficiency scheme aims to cut CO<sub>2</sub> emissions July/Aug 43

**Exhibition**

Aluminium 2010 Preview July/Aug 30  
Aluminium 2010 - World fair and congress review Nov/Dec 37

**Extrusion**

Kaiser well-positioned for growth of extrusion market May/June 30  
Measuring extrusion profiles May/June 32

Sapa Extrusions North America - A year on from Indalex acquisition May/June 27  
Bright outlook for European market Nov/Dec 35

**Fabrication**

Friction stir welding - innovative variant techniques for the industry Sept/Oct 59  
Acoustics boost ultrasonic welding Sept/Oct 68  
Upgrade to nesting and hole cutting software Sept/Oct 69

**Furnace & Heat Treatment**

Lowering IR measurement costs July/Aug 38

**Furnaces**

Furnaces for scrap & swarf Jan/Feb 43  
Shapemeter IP-4 on the continuous thermal treatment line of Samara Metallurgical Works Jan/Feb 32  
Developments in vacuum pumping technologies for vacuum metallurgical processes Jan/Feb 39  
Smaller furnace door brings large energy benefits to pusher furnace Sept/Oct 90

**India update**

Vedanta seeks support for Orissa project Jan/Feb 18  
Hindalco moving steadily ahead March/April 17  
Nalco receives mining approval March/April 22  
Protests impact on Vedanta smelter May/June 15  
Automotive sector in driving seat July/Aug 16  
India faces 2014 demand/surplus deadline Sept/Oct 20

**Latin America update**

Latin American aluminium trade defence measures Jan/Feb 14  
Votorantim continues its global strategy with the purchase of Trinidad smelter March/April 14  
A small step for Rio Tinto Alcan could be a giant leap for Paraguay March/April 12  
Vale deal is a massive step for Norsk Hydro July/Aug 14  
Brazil makes aluminium forecast Sept/Oct 14  
Brazilian headache Sept/Oct 88  
Bahia state set for mineral resources boom Nov/Dec 10

**Measurement**

Laser vision to measure profiles Sept/Oct 103

**Primary**

The art of revamping aluminium potlines Jan/Feb 21  
Dubal's DX reduction cell technology offers excellent operating performance Jan/Feb 24  
Feeding alumina to the greenfield Qatalum project Jan/Feb 30  
Dust filtration in primary aluminium production Jan/Feb 28  
Alouette on course to reduce emissions March/April 41  
Aluminium Fluoride (AlF<sub>3</sub>) - A striving market March/April 37  
Dubal DX technology at Emal March/April 44  
High amperage DX Reduction Technology at Dubal May/June 42  
Applicability of Carbon Capture & Storage in smelters Sept/Oct 25  
The merits of Qatalum's tapping vehicles Sept/Oct 32  
IAI survey: Aluminium industry continues to reduce emissions Sept/Oct 33  
The global crisis and aluminium smelter construction Sept/Oct 37

New materials for the production of graphitised carbon products Sept/Oct 40  
Successful operation of a new heat exchanger design at Alcoa Mosjøen Sept/Oct 45  
Dubal's greener aluminium Sept/Oct 50  
Inert anode technology closer to fruition at Rusal Jan/Feb 26  
Stub straightener for Dubal Jan/Feb 31  
Anti segregation technology for alumina silos maximises capacity Nov/Dec 14

**Processing**

Cutting lines for aluminium strip Sept/Oct 52

**Rolling**

Laser gauge saves on costs by working 30 times quicker March/April 29  
Planning for lower inventories and better delivery March/April 27

**Russia update**

Russian consumption set to rise? May/June 16  
Russia calls for import restrictions July/Aug 18  
Secondary manufacturers ponder added-value production decline Sept/Oct 22  
Russia considers Al export duties Nov/Dec 12

**Secondary**

Hazards of bone ash in contact with molten aluminium May/June 18  
Retrofitting aluminium melting furnaces May/June 21  
Surface coatings boost melting efficiency and cuts costs May/June 26  
Aluminium twin roll casting transfers to magnesium Nov/Dec 19  
Case study: Converting a primary smelter to a secondary recycler Nov/Dec 24

**Services**

Hydraulic oil helps stop shutdowns July/Aug 46  
The bad debtors of tomorrow Sept/Oct 94  
Local support assists Portland smelter Sept/Oct 101  
Portable plasma cutters for on-site maintenance Sept/Oct 101

**Strip casting**

Release agent reduces oxides and roughness on a Twin Roll Caster Jan/Feb 52

**Surface Treatment**

The science of successfully anodizing die cast substrates Nov/Dec 25  
Hexavalent chromium free sealants boost hard-coated aluminium alloys Nov/Dec 29  
High temperature plasma-spray processing Nov/Dec 33  
Green chrome-free solutions for aluminium pre-treatment Nov/Dec 34  
Polymeric coating provides protection from the elements Nov/Dec 34

**Transport & Handling**

Developing a safe traffic flow at a smelter May/June 33  
One-stop-shop for packaging solutions May/June 38  
Two new forklifts from Combilift May/June 37

**USA**

USA: recovery will be long and slow July/Aug 40

**USA update**

A New Year but same old story Jan/Feb 12  
Aluminium consumption boost March/April 12  
Alcoa's performance March/April 11  
Baseball's battle of the bat July/Aug 12  
Market oversupply=headaches Sept/Oct 12  
Beer breweries 'excited' by Al cans Nov/Dec 11

For more features on the web visit [www.aluminiumtoday.com](http://www.aluminiumtoday.com) and click on 'Features'