AluMag®

North America 2015 9th - 11th of Nov

AUTOMOTIVE LIGHTWEIGHT

PROCUREMENT SYMPOSIUM

Cobo Center, Detroit, USA



The 3rd Automotive Lightweight Procurement Symposium to be focused on automotive lightweighting, supply / process chain and procurement management, will take place in Detroit from the 9th – 11th of Nov 2015. The symposium is held in the days leading up to the "ALUMINUM USA" exhibition taking place at the Cobo Center, Detroit, Michigan (Walking distance to symposium venue)

ATTENDING COMPANIES:





















StrikoWestofen®

















































































ORGANIZING PARTNERS & SPONSORS



BOCAR













AluMag is "The Market Developer" that successfully penetrates new markets, creates business and localize leading supplier for your company. markets and open doors for your business - regardless of region, market, application, material, process or product. AluMag makes you successful - worldwide!

AluMag® offers the four following services - worldwide:



- ■Aluminium Extrusion **Customer Database**
- ■Foundry & Tool Maker Database
- Automotive Application, Material & Process Analyses
- Various Industrial Application Research & Analyses

AluMag as your provider of automotive research and forecasting studies, offers you and your business, the market intelligence you need to realize the best strategic decisions



Large variety of market accesss, local & global:

- business database with 6,970+ companies and 18.700+ contacts
- 150+ satisfied customers world-
- Arranged 20+ roadshows/events since 2008



Your Benefits:

- Learn about your [potential] clients and competitors
- Obtain an inside view of the market Identify opportunities and threats
- Minimize risk and optimize prof-
- Position your company successfully
- Based on data off the shelf, secondary re-search and inter-views, AluMag generates vali-dated researches



Market Development

- Analysis & Development of **Market Opportunities**
- Accelerate Market Penetration
- Manage New Product Launches
- Establish a Sales Force Sales on Demand

AluMag guides and supports your organization globally through the different market development phasuntil we have successfully launched, implemented or executed your project.



Manage and integrate each aspect of your organization by initiating, planning, con-trolling, executing and closing out a new project. AluMag offers liaison mana-gement services as an addition to our customer's staff by bringing in the resources



Your Benefits

- Analysis and development of Markets
- Realize opportunities
- Accelerate market penetration
- Establish a sales force
- Provide warehousing and distri-
- Manage new product launches
- Sales on demand



■ Organization of Technical &

- Commercial Roadshows ■ Oversea Commercial & **Technical Events**
- Host In-House Events & Presentation
- Common Technology Booth at Leading Exhibitions

AluMag roadshows, tech-meetings and symposia are the first class events used by exhibitors and guest as a unique benchmark platform.



The AluMag think tank events are bringing in decision makers and executives in EUROPE, ASIA and NAFTA



Upcoming Events:

- 2015 Nov: Automotive Lightweight Procurement Symposium in Detroit, USA
- 2016 April Common tech- booth at the SAE World Congress in Detroit, USA
- 2016 Jul: Automotive Lightweight Procurement Symposium in Shanghai, China
- 2016 Nov: Automotive Lightweight Procurement Symposium in Duesseldorf, Germany.



- Warehousing & Distribution Service
- Supplier & Tie-up Localization
- Identification & Trade-off of new Technology
- Foreign Market Business Cases and whose Realization

AluMag has the global expertise to search, identify, evaluate and vali-date potential strategic business opportunities for expansions and partnerships that will assist your business growth plans regionally and globally



Services for:

- · Search, develop and present potential acquisition candidates for regional and global business expansions
- Localization of new manufacturing / service sites for business expansions
- Identification of new technology supplier development related to products, processes and materials
- Search, develop and present potential business partners suppliers to support regional and/or global supply programs
- Evaluate potential competitor profiles for new or existing business in non-presence geographies
- Evaluate new emerging technologies and processes business expansions

Are you:

- looking for specific data, information and outlook about product, material, customer, supplier, technologies, ...
- want to discuss your project, increase sales, access new markets, ...
- interested to participate in one of our roadshows / events or organize your customized showcase ...
- looking to localize, expand into new markets, countries, tie-up targets, ...

please contact your AluMag Team to receive a quote or proposal

CONTACTS & PROJECT TEAM



Mr. Jost GÄRTNER Managing Partner AluMag® Automotive GmbH ERMANY el: +49 2373 929492 nan & English





Mr. Roberto BOEKER Managing Partner AluMag® Automotive LLC 42056 Michigan Avenue Canton, MI 48188 +1 248 962 5086





. Thomas KATCHMARK w Business Developmer utiliag® Automotive LLC 929 Sunnydale mington Hills, MI 48336







N. America Automotive Lightweight Procurement Symposium 2015 9th – 11th Nov

Cobo Center One Washington Blvd. Detroit, Michigan, 48226 USA



AluMag Automotive GmbH Jost GAERTNER Managing Partner

Cell: +49 172 6000569 j.gaertner@alumag.de www.alumag.cc



AluMag Automotive LLC Roberto BOEKER Managing Partner

Cell: +1 248 9625086 r.boeker@alumag.de www.alumag.cc



Index

Company Speechs by:

Ford Research and Innovation Center

Carbon War Room and Meritor Headquarters

Striko Westofen America

Kurtz

Bharat Forge Aluminiumtechnik

C.P.C. USA

BOCAR Group

Ford Motor Company

Automotive Insight

EJOT Fastening Systems LP USA

UACJ Corp.

<u>Lightweight Innovations for Tomorrow</u>

Aluminum Blanking Company

Agenda

Agenda: (Is Continuously Being Updated)

Monday The 9th Of November - Cobo Center, Detroit

05:30pm - 07:30pm



Pre-registration and Welcome

Reception

Tuesday The 10th Of November - Cobo Center, Detroit

08:30am - 09:15am



Registration

Morning Coffee / Tea

<u>09:15am – 09:30am</u>



Welcome:

Mr. Jost GAERTNER - Managing Partner At AluMag Automotive GmbH

09:30am - 10:25am



Opening Keynote: Mr. Craig RENNEKER - Chief Engineer, New A/T Programs & Component – Transmission & Driveline Engineering At Ford Research & Innovation Center

Lightweight Transmission & Driveline Components: Practical Challenges

10:25am - 11:00am

Break for Refreshments/Coffee/Tea, Snacks, Networking, Tech Exhibition

11:00am - 11:45am



Paper 1: Mr Mike ROETH – Executive Director At North American Council for Freight Efficiency (NACFE) & Operations Leader – Carbon War Room



Paper 1: Mr. Karl MAYER – Director Product Line Management At Meritor

Lightweighting Heavy Duty Class 8 Tractors and Trailers

<u> 11:45am – 01:45pm</u>

Break for Lunch, Refreshments, Networking, Tech Exhibition 01:45pm - 02:25pm



Paper 2: Mr Ryan BROWN – Director Of Sales At StrikoWestofen America

Analysis Of Cost Drivers When Buying Lightweight Solutions / Materials & The Elimination Of These

02:30pm - 03:10pm



Paper 3: Mr. Lothar HARTMANN – Managing Director Foundry Machines & Trimming Presses At Kurtz GmbH

Chassis & Suspension Weight Reduction By LPDC Aluminum With Hollow Cross Sections



Mr. Kevin CROY - NAFTA Sales Manager Foundry Machines & Trimming Presses At Kurtz GmbH

03:15pm - 03:45pm



Paper 4: Mr. Jörg MANTWILL – Director Sales At Bharat Forge Aluminiumtechnik GmbH & Co. KG

HCM And Aluminum Forging – Partnership To Birth Chassis Parts' Safety

03:45pm - 04:15pm

Break for Refreshments/Coffee/Tea, Snacks, Networking, Tech Exhibition

04:15pm - 04:55pm



Paper 5: Mr. Gary F. RUFF -President and Chief Executive Officer, Ruff and Associates, LLC 8/12 -Present

Advanced Counter Pressure Casting Process for Light-Weighting of Auto and Truck Chassis and Suspension Components

05:00pm - 05:55pm



Closing Keynote: Mr. Gilberto SALDIVAR – New Projects Group Manager At Bocar Group

Key Factors To Achieve Mechanical Properties In Lightweight Structural Parts

05:55pm - 06:00pm



Summary:

Mr. Roberto BOEKER – Managing Partner At AluMag Automotive LLC

Agenda

06:00pm - 08:00pm



Dinner Speech:

Mr. Richard KLEIN -Responsibility Strategic Planning -Business Development & German Business At BOCAR

Wednesday The 11th Of Nov - Cobo Center, Detroit

08:15am - 08:55am



Mr. Ali JAMMOUL – Global Director Body Exterior And Safety Engineering At Ford

Body Lightweighting

09:00am - 09:40am



Paper 1: Dr. Gerald COLE – President At Light Weight Strategies LLC

Light Weighting the Automotive Industry - The Road to 2025 CAFÉ

09:45am - 10:25am



Paper 2: Mr. Laurence CLAUS -President At NMI Training & Consulting Inc. & Technical Consultant To EJOT Fastening Systems LP USA

EJOT Fastening Solutions Enable Lightweight Body-in-white Assembly

10:25am - 11:00am

Break for Refreshments/Coffee/ Tea, Snacks, Networking, Tech Exhibition

11:00am - 11:40am



Paper 3: Dr. Akio NIIKURA - General Manager R&D Division At UACJ Corp.

UACJ's Global Strategy And Approach To The Automotive Aluminum Market

11:45am - 12:05pm



Paper 4: Mr. Lawrence E. BROWN – Executive Director At Lightweight Innovations For Tomorrow

Lightweight Innovations For Tomorrow!!!!

12:10pm - 12:40pm



Closing Keynote: Ms. Laura ANDERSON – CEO At Aluminum Blanking Company

The Story Behind Aluminum's Sourcing Evolution: A North America Perspective

12:40pm - 12:45pm



Summary:

Mr. Jost GAERTNER, Managing Partner At AluMag Automotive GmbH

12:45 pm - 01:30pm



Reception Speech With Snacks & Finger Food

Mr. Michael KOEHLER - Industry Vice President At Reed Exhibitions USA

01:30pm - 05:30pm



Individual Or Guided Visit At The 2015 "Aluminum USA" Exhibition

EXHIBITOR

Aluminum Blanking Company USA, 48340-1854 Pontiac / Michigan

Tel.: +1 248 3384422 http://www.albl.com



ACTech North America
USA, 48108 Ann Arbor / Michgan

Telefon: +1 734 9130091 www.rapidcastings.com



Bharat Forge Aluminiumtechnik GER 09618 Brand-Erbisdorf

Tel.: +49 37322 474 747 www.bharatforge.com



Auma Engineering Products

USA 48393 Wixom MI Tel.: +1 248 9609330

www. BOCAR.com.mx



C.P.C. USA

USA, 92630 Lake Forest / California

Tel.: +1 949 830 7797

www.cpcmachines.ilindenmachines.com



EXHIBITOR

EJOT Fastening Systems LP USA 48393 Wixom MI

Tel.: + +1 262 612 3550 http://www.ejot-usa.com



Kurtz GmbH GER 97892 Kreuzwertheim

Tel.: +49 9342 807 0 http://www.kurtzersa.de



StrikoWestofen GmbH GER 51643 Gummersbach

Tel.: +49 2261 709 10 www.strikowestofen.com

StrikoWestofen of Group

UACJ Corp.





Dr. Akio NIIKURA **General Manager R&D Division**

UACJ Corp. JAP 100-0004 Tokyo

Tel.: +81 3 6202 3800 http://www.uacj.co.jp

TITLE

UACJ's Global Strategy And Approach To The Automotive Aluminum Market

ABSTRACT

Abstract:

- Outline of UACJ
- UACJ's global strategy– Approach to Automotive Aluminum Market



UACJ's Global Strategy and Approach to the Automotive Aluminum Market

November 11, 2015

North America Automotive Lightweight **Procurement Symposium 2015**



Akio NIIKURA, Ph.D. General Manager **R&D Division**

UACJ Corporation

Contents



- 1. Outline
- 2. Global Network
- 3. Approach to the Automotive Aluminum Market



1. Outline

© 2013 UACJ Corporation. All rights reserved.

2

Introduction





Started on October 1st, 2013

Furukawa-Sky Aluminum Corp.



Sumitomo Light Metal
Industries, Ltd

© 2013 UACJ Corporation. All rights reserved

North America Automotive Lightweight Procurement Symposium 2015

History





integrated business to form UACJ Corporation

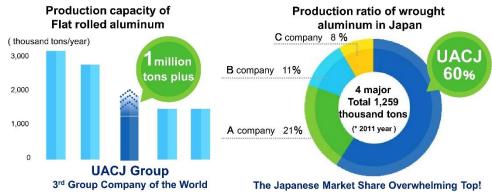
© 2013 UACJ Corporation. All rights reserved.

North America Automotive Lightweight Procurement Symposium 2015

Business Outline



Establish	October 1, 2013
Capital	45 billion yen
Total Companies	77 (160 bases)
Employee	8,556
Consolidated Net Sales	572.5 billion yen (Fiscal 2015)



* Estimated on the basis of the data of Japan Aluminium Association

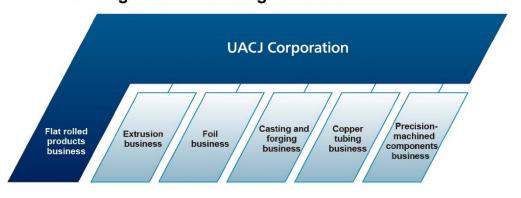
© 2013 UACU Corporation. All rights reserved.

North America Automotive Lightweight Procurement Symposium 2015

Business Fields



Business areas of UACJ group dealing with a wide range of fields



The UACJ Group is structured along business unit lines.

UACJ Corporation provides oversight for each units and UACJ is also responsible for manufacturing and sales in our flat rolled products business.

© 2013 UACJ Corporation. All rights reserved

North America Automotive Lightweight Procurement Symposium 2015

6

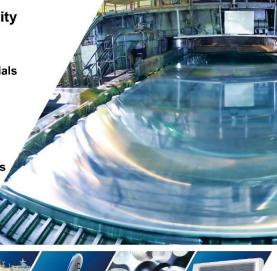
Business Fields

Flat Rolled Products Business



World-leading Manufacturing Capabilities to Deliver High-quality Flat Rolled Products

- · Aluminum can stock and closure materials
- Automotive heat exchanger materials
- · BiW (Body-in-White) panels
- · LNG tank materials
- Aviation and aerospace materials
- IT materials
- · Air-conditioner compressor fin materials
- Liquid crystal and semiconductor equipment thick plates
- · Litho sheet materials
- Construction plates





050

North America Automotive Lightweight Procurement Symposium 2015

UACJ Corp.

Business Fields

Extrusion Business



Comprehensive, Industry-leading Technological Prowess to Meet Needs in a Wide Variety of Fields

- Automobile heat exchanger and tube materials
- Motorcycle frame materials
- Photocopier photoconductive drum materials
- Machine parts materials





© 2013 UACJ Corporation. All rights reserved

North America Automotive Lightweight Procurement Symposium 2015

8

Business Fields

Foil Business



Unparalleled Foil Technologies to Supply Products Designed to Meet the Latest Needs

- Capacitor foil
- Medical industry and chemical products packaging foil
- · Foodstuffs and packaging foil
- Lithium-ion battery current collector foil
- Construction foil
- Daily-use foil





© 2013 UACJ Corporation. All rights reserved.

Business Fields

Casting and Forging Business



Delivering Highly Competitive Products Utilizing Advanced Technologies and Production Network

Turbocharger compressor wheels

 Forged products for aviation and aerospace materials

Forged products for railcars

 Forged products for liquid-crystal production facilities





8 2013 UACJ Corporation, All rights reserved.

North America Automotive Lightweight Procurement Symposium 2015

10

Business Fields

Copper Tubing Business



Meeting a Wide Range of Needs with the Superior Materials Characteristics of Copper

- Air-conditioner internally grooved copper tubing
- Hot-water heater pipe
- Construction/refrigerant pipe
- · Heat exchanger tubing
- · Copper alloy condenser tubing
- Titanium condenser tubing



© 2013 UACJ Corporation. All rights reserved.

UACJ Corp.

Business Fields

Precision-machined Components Business



A Vast Array of Equipment and Technologies in Response to Various Processing Needs

- Structural products
- Welded products
- Heat dissipation /cooling products
- Functional material products





© 2013 UACJ Corporation. All rights reserved.

North America Automotive Lightweight Procurement Symposium 2015

12

Research & Development



Applying Advanced Aluminum Expertise to Create New Innovations

UACJ is continuously developing next-generation products and technologies as we explore the potential of aluminum and

create new value in metals. These R&D initiatives are spearheaded by the UACJ Technical Research and Development Center.



© 2013 UACJ Corporation. All rights reserved.



2. Global Network

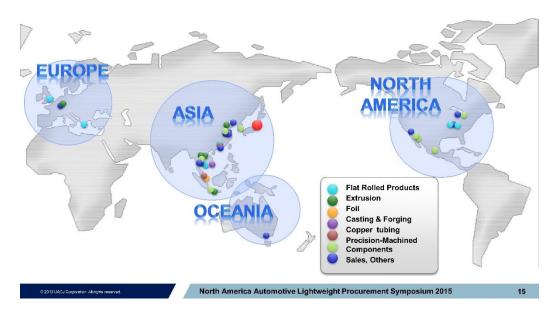
© 2013 UACU Corporation. All rights reserved

14

Global Network of UACJ group



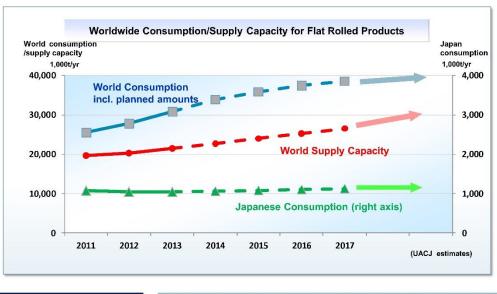
Global Supply Network to Deliver Products to Regions Worldwide



World wide Supply and Demand for Flat Rolled Products



World demand for flat rolled products is expected to grow steadily



© 2013 UACJ Corporation. All rights reserve

North America Automotive Lightweight Procurement Symposium 2015

16

Demand for Flat Rolled Products in Growth Regions and Fields

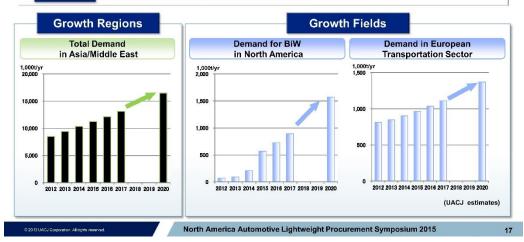


Growth Regions

Demand is increasing in all fields, such as can and foil stock, with the remarkable economic growth in Asia and the Middle East.

Growth Regions

Demand is growing in transportation fields such as the automotive industry and aerospace, especially in Europe and America, due to the need to reduce weight and other factors.



Optimize Global Supply Network



Region Main products	Japan	North America	Europe	China/ South Korea	Southea st Asia	India	Middle East/ Africa
Can Stock	Fukui	TAA	-	Fukui UATH	UATH	UATH	UATH
Automotive heat	Nagoya	UATH	AFSEL	Ruyuan	UATH	UATH	UATH
exchanger materials	(Nikko)	AFSEL		UATH			
BiW	Nagoya (Fukaya)	Joint venture with Constellium	Under investigation				
Litho sheet	Nagoya	BAL	BAL	Nagoya	Nagoya	BAL	BAL
Thick plate (LNG tanker etc.)	Fukui Fukaya	-	-	Fukui Fukaya UPIA	Fukaya	-	_

TAA: Tri-Arrows Aluminum Inc. (USA),

AFSEL: AFSEL S.A.(Joint venture with ELVAL, Greece) BAL: Bridgnorth Aluminum Inc.(UK)

Ruyuan: Ruyuan Dong Yang Guang Fine Foil Co., Ltd.,(China)

© 2013 UACJ Corporation. All rights reserve

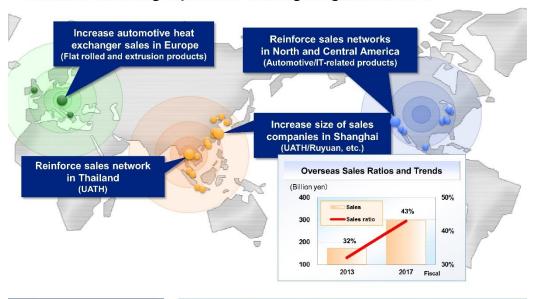
North America Automotive Lightweight Procurement Symposium 2015

18

Strengthening the Global Sales Network



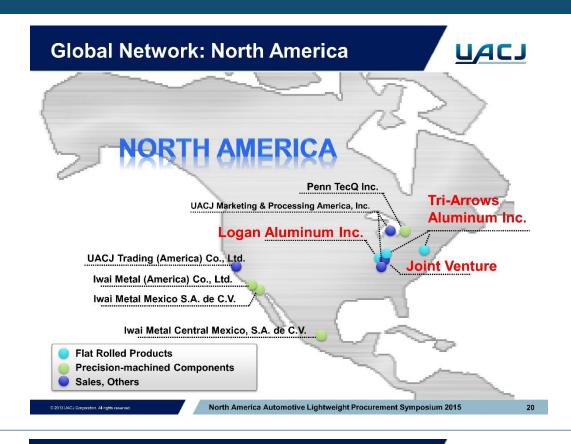
Enhance marketing capabilities utilizing the global network



© 2013 UACJ Corporation. All rights reserved.

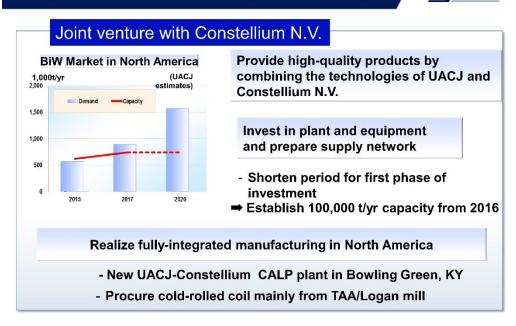
North America Automotive Lightweight Procurement Symposium 2015

UACJ Corp.



North American BiW Business





© 2013 UACJ Corporation. All rights reserved

North American BiW Business

(joint venture with Constellium N.V.)



New UACJ-Constellium plant in Bowling Green, KY



Continuous Annealing Line with Pre-Treatment





© 2013 UACJ Corporation, All rights reserved

North America Automotive Lightweight Procurement Symposium 2015

2

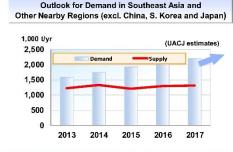
UACJ (Thailand) Co., Ltd. Rayong Works



Establish fully-integrated manufacturing network

Differentiate by improving competitiveness

Function as first-class aluminum works in Asia





© 2013 UACJ Corporation. All rights reserved.

North America Automotive Lightweight Procurement Symposium 2015

UACJ (Thailand) Co., Ltd. Rayong Works







Bird's-eye View of the Rayong Works

Mass Production









Melting Furnace

Production of Slabs

Hot Rolling Mill

Four-stand Finishing Mill

© 2013 UACU Corporation. All rights reserved.

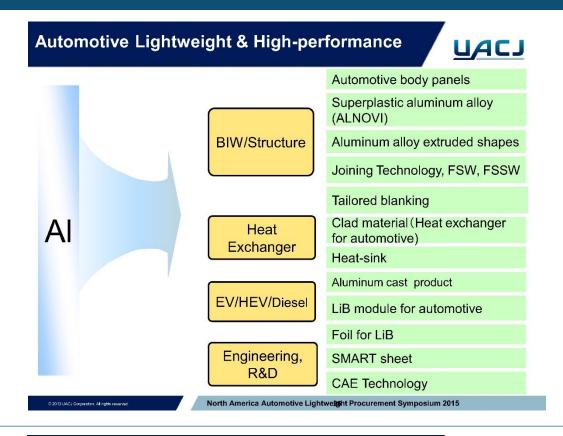
North America Automotive Lightweight Procurement Symposium 2015



3. Approach to the automotive Aluminum Market

© 2013 UACU Corporation. All rights reserved.

UACJ Corp.



Aluminum alloys for automotive body panels



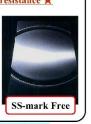
Controling tems:

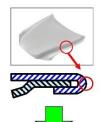
- 1) Chemical composition
- 2) Microstructure
- Intermetallic compound
- **Grain structure**
- Precipitation and solid solution
- Crystal orientation

Through the production process

5xxx series alloy











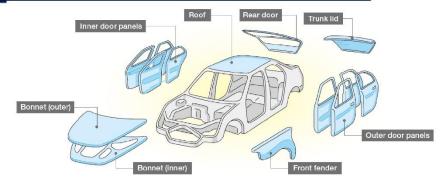


Normal alloy

Developed alloy

Aluminum alloys for automotive body panels





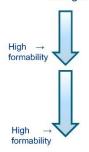


North America Automotive Lightweight Procurement Symposium 2015

Aluminum alloys for automotive body panels







Mechanical	properties
Micchaillea	properties

S Types and mechanical properties (Sheet thickness: 1mm)

Material properties	AA*1	Tensile strength (N/mm²)	Proof stress (N/mm²)	Stretch (%)	Proof stress (after baking)*2 (N/mm²)
SG112-T4	(6016)	230	120	27	195
SG212-T4	(6016)	240	130	28	205
SG212-T4 High formability type	(6016)	245	135	30	170
SG312-T4	(6111)	245	120	30	200
TM30-T4	(6005)	210	110	27	200
TM66-T4	(6111)	240	115	29	210
TM67-T4	(611 1)	255	120	29	215
TM67-T4 High formability type	(6111)	285	145	29	175

5000 series



Mechanical properties | Types and mechanical properties (Sheet thickness: 1mm)

Material properties	AA*1	Tensile strength (N/mm²)	Proof stress (N/mm²)	Stretch(%)	n value*2
GC45-O	5022	280	140	32	0.31
GC55-O	5023	285	130	34	0.35
GM145-O	5182	270	120	28	0.33
52S-O	5052	205	105	28	0.26

^{*1} AA: The Aluminum Association (U.S.A.)

*2 Average value from 2% to the maximum load

Superplastic forming Material



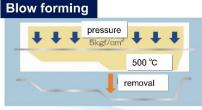
Superplastic 5000 Series Aluminum Alloy "ALNOVI"

Superplastic deformation



Aluminum alloys with fine grains show high elongation, 300%- at high temperature,400~500°C

Manufacturing technology



Superplastic blow forming and ALNOVI enable flexible forming as if plastic.

Products Automotive



Aircraft



Miniature model



North America Automotive Lightweight Procurement Symposium 2015

Aluminum alloy extruded shapes, tubeş

Material development

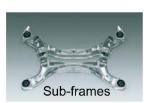
Cold press forming Superplastic blow forming





- ZK80: Alloy with strength and fracture toughness further enhanced than the 7204
- · Creating and Optimum crosssectional configuration
 - 254S(A5154): non-heattreatable 5000 series alloy
 - Aluminum materials can be applied to structural and rotational axis materials.







Mazda MX-5

Front Bumper system ⊿weight = -2.4 Kg

North Am

symposium 2015

Higher strength 7000 series Extrusion



Material development

Ordinary extruded shapes

UACJ High strength 7000series

6061-T6

TS : 315MPa

YS : 275 MPa

EL:17%

ZK170-T5 ZG62-T76

TS : 440 MPa 40%up TS : 600 MPa 90%up





ZG62(A7050): The world's top share as the front fork outer material for motorbikes

8 2013 UACJ Corporation. All rights reserved.

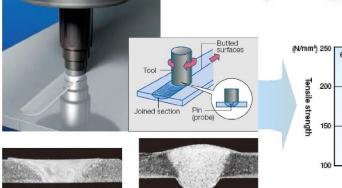
North America Automotive Lightweight Procurement Symposium 2015

32

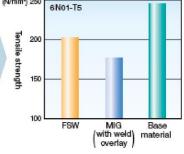
FSW (Friction Stir Welding)



Manufacturing technology



Arc welding



Strength at joined section

- The strength reduction at the thermally affected area is very small.
- High joint strength
- As strain is small, Residual stress can be suppressed.

© 2013 UACJ Corporation All rights reserved.

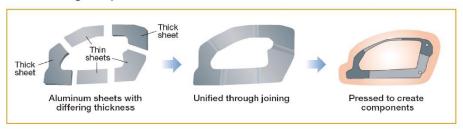
North America Automotive Lightweight Procurement Symposium 2015

Tailored blanking



Manufacturing technology

The thickness of materials can be arranged in an optimal manner, which effectively reduces the weight of parts.



© 2013 UACJ Corporation. All rights reserved

North America Automotive Lightweight Procurement Symposium 2015

34

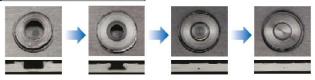
FSSW (Friction Stir Spot Welding)



Manufacturing technology



Double-acting FSSW process

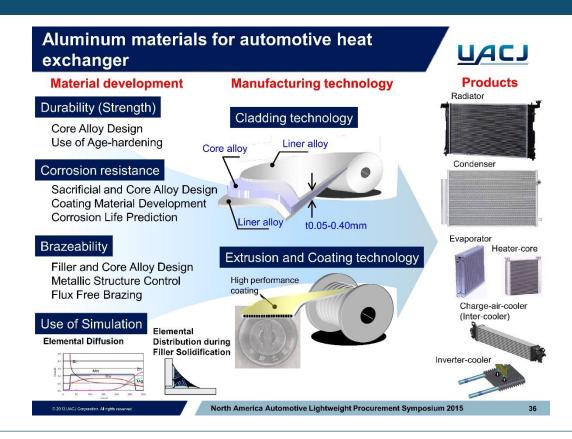


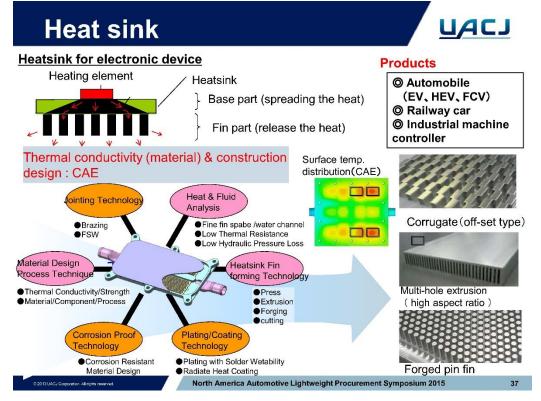
less energy than resistance spot welding Improves the work environment: no sputtering

© 2013 UACJ Corporation, All rights reserved.

North America Automotive Lightweight Procurement Symposium 2015

UACJ Corp.





Aluminum cast products

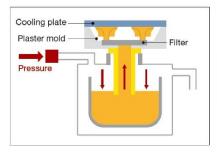


Manufacturing technology

Products

Compressor wheels for automobile Turbocharger

Low-pressure casting



The molten aluminum is cast into the mold by applying low-pressure gas. Aluminum castings with excellent strength, durability and dimension accuracy are produced.





Over 10million pieces/year

No.1 Share in the World

© 2013 UACJ Corporation, All rights reserved

North America Automotive Lightweight Procurement Symposium 2015

38

LiB module for automotive



Blow-off pipe (Corrosion resistance: clad pipe)

Series contact parts
(Electric conductivity:
Al busbar)

Cell (High heat dissipation : Al busbar)

Battery container (Electric conductivity, Laser welding)

Battery cell cooler (water cooling) : (High heat dissipation: heatsink) Battery protection cover (Corrosion resistance: pre-coat AI)

Battery computer cover (Corrosion resistance: pre-coat AI)

Battery board cooler (air cooling) (High heat dissipation: heatsink)

Print circuit board (High reliability, KO treated material)

Pipe for coolant water (Corrosion resistance: pipe)

Al foil for polymer exterior

Al foil for lead tab

Al foil for electrode collector

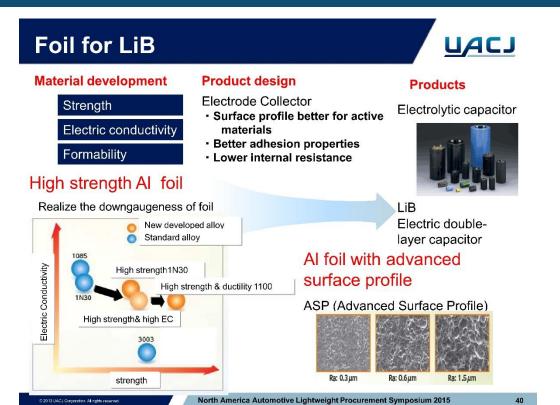
Carbon coated Al foil

Cu foil for electrode collector

© 2013 UACJ Corporation All rights reserved.

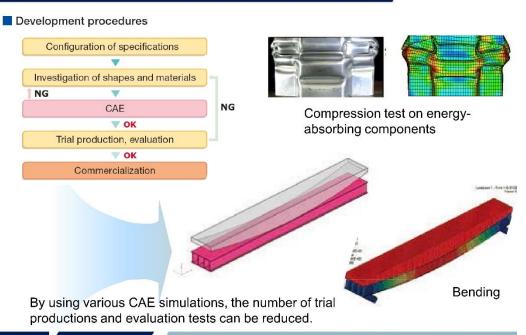
North America Automotive Lightweight Procurement Symposium 2015

Foil



CAE Computer-Assisted Engineering





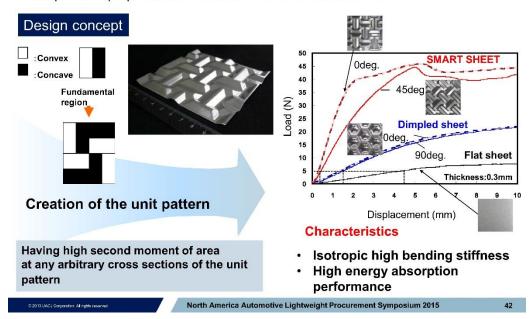
2013 UACJ Convention. All rights reser

North America Automotive Lightweight Procurement Symposium 2015

SMART sheet



Super Multipurpose Aluminum Reinforced and Textured SHEET



Summary



1. Outline

UACJ corporation was started on October 1st 2013. The annual capacity for flat rolled products exceeded 1 million tons, making them the largest such manufacturer in Japan and the third largest in the world.

2. Global Network

UACJ focuses in all fields such as can and foil stock in Asia and the Middle East, and transportation fields such as the automotive industry and aerospace, especially in Europe and America. UACJ has an extensive global network system to supply products worldwide.

3. Approach to the Automotive Aluminum Market

Automotive weight reduction technology is indispensable for improving efficiency. UACJ is actively involved in R&D of aluminum material as well as the technological development required for promoting their utilization.

© 2013 UACJ Corporation. All rights reserved



Thank you for your attention!

Please visit UACJ booth #1204 at the "Aluminum USA 2015" Exhibition.

2013 UACJ Corporation. All rights reserve

North America Automotive Lightweight Procurement Symposium 2015

We Welcome You To Our Next Event



AluMag[®] Asia 2016 6th - 8th of July AUTOMOTIVE LIGHTWEIGHT PROCUREMENT SYMPOSIUM Jumeirah Himalayas Hotel in Shanghai, China





Organized by AluMag

CONTACTS & PROJECT TEAM



Mr. Jost GAFRTNER Managing Partner AluMag® Automotive GmbH Kirchplatz 1a 58706 Menden GERMANY Tel.: +49 2373 929492 j.gaertner@alumag.de German & English



Mr. Jesper Ove LARSEN Manager Market Research AluMag® Scandinavia Byagervænget 69 8330 Beder DENMARK Cell: +45 2573 8790 j.larsen@alumag.de

German & English & Danish



Mr. Roberto BOEKER **Managing Partner** AluMag® Automotive 42056 Michigan Avenue Canton, MI 48188 USA Cell: +1 248 962 5086 r.boeker@alumag.de English & German & Spanish



AluMag Europe India Americas Asia THE MARKET DEVELOPER



Mr. Ricardo SCHOER Senior Consultent AluMag® Automotive Av. San Antonio 189-131 Col. Napoles 03810 MEXICO Cell: +52 55 4002 0501 r.schoer@alumag.de



Ms. Ying ZHOU Project Coordinator Japan & China AluMag® Automotive GmbH Kirchplatz 1a 58706 Menden GERMANY Cell: +49 172 6415876 y.zhou@alumag.de German & English & Chinese & Japanese



Mr. Thomas KATCHMARK New Business Development Manager AluMag® Automotive 20929 Sunnydale Farmington Hills, MI 48336 Cell: +1 313 410 0865 t.katchmark@alumag.de