International Titanium Powder, LLC (ITP) Contracts with A. Epstein to Construct United States’ First Armstrong Process Facility

Lockport, IL --- International Titanium Powder, LLC (ITP), the Lockport, Illinois-based titanium manufacturer, has contracted A. Epstein and Sons International, Inc. (Epstein), the Chicago-based architecture and engineering firm, to provide architectural and engineering design services for the United States’ first Armstrong Titanium Reduction Process production facility in Ottawa, Illinois today announced Stan Borys, ITP CEO.

“Selecting A. Epstein and Sons was an easy decision,” said Bill Ernst, director of engineering for International Titanium (Continued on page 2)

Contest Finalist to Showcase Benefits of Alcoa Howmet’s Investment Castings Process

Cleveland, OH, --- Alcoa Howmet announced its buffer yoke titanium investment casting is a finalist in the recent Investment Casting Institute’s annual casting contest. The casting, which is a structural component for the redesigned M777 155mm Lightweight Towed Howitzer, has been selected to become part of the institute’s traveling exhibit.

The buffer yoke casting will be exhibited in the Investment Casting Institute’s booth at the National Design Engineering Show in Rosemont, IL6, and at the Atlantic Design & Manufacturing Show (Continued on page 7)

Thintri Market Study on Titanium Disruptive Forces Target Titanium Markets

Like a number of metal markets, titanium has experienced dramatic flux in supply and pricing in the last two years. While prices may stabilize at uncomfortable levels, supply issues will continue to threaten many users. Newer applications that migrated to titanium in periods of relative abundance and low price are particularly vulnerable. At the same time, emerging low cost production technologies hold out the promise of an era of plentiful, low cost titanium that could redraw the competitive and market landscapes. A new report from Thintri, Inc., The Titanium Age: Supply Constraints and New Markets, analyzes the supply and price (Continued on page 5)

TIMET Names New President and COO

Titanium Metals Corp. (TIMET) has named a new president and chief operating officer, Christian Leonhard. Mr. Leonhard has served as President and COO of Timet's European operations since October 2005 and chief operating officer-Europe since 2002.

Timet will also relocate their headquarter office from Denver, Colorado to either Dallas, Texas or Morgantown, PA. The relocation will occur later this year.

Mr. Leonhard served as executive vice president-Global Operations of Timet from 2000 to 2002. He joined the company in 1988 as general manager of (Continued on page 3)
What’s New in Titanium?

**ITP Contracts A. Epstein (Continued from page 1)**

What’s New in Titanium?

ITP Contracts A. Epstein (Continued from page 1)

Powder. “Their knowledgeable staff and vast experience compliment our team well. We are looking forward to a very successful project.”

The Armstrong Titanium Reduction Process, developed by ITP, LLC, is the first substantial cost reduction technology innovation in more than 50 years of application of this important metal. The Armstrong Process is a low-cost, continuous process that allows for an end to what traditionally has been a labor and equipment-intensive process for extracting and refining titanium.

“We are very excited about bringing our design and engineering expertise in the industrial marketplace to this cutting-edge facility for this rapidly growing industry,” stated Allen Pomerance, P.E., Epstein senior vice president. “Their state-of-the-art process will allow ITP to develop titanium more easily to meet the many needs of both the public and private sector for this extraordinary metal.”

The new production process is friendly to the environment and produces virtually no wastes. ITP has worked with manufacturers in both the commercial and defense sectors and anticipates that titanium and titanium alloy produced at this new facility will be used for products ranging from high-performance automobile brake rotors to armor for advanced army vehicles.

“We at Epstein are privileged to be bringing this modern titanium manufacturing facility to the State of Illinois,” stated John Patelski, president and executive managing director at Epstein.

International Titanium Powder, LLC (ITP) was formed in 1997 to commercialize the Armstrong Process to produce pure titanium powder and titanium alloy powder at a fraction of the cost of producing titanium by traditional means. The new facility will enable ITP to produce more than four million pounds of titanium powder per year and will allow the company to create 42 new jobs.

A. Epstein and Sons International, Inc. was formed in 1921 and provides architecture, engineering, construction, interior and graphic design services worldwide. Headquartered in Chicago, the firm maintains offices in Los Angeles, California; San Antonio, Texas; Warsaw, Poland; Tel Aviv, Haifa and Beersheba, Israel; Beijing and Shenzhen, China and most recently Bucharest, Romania.

Epstein consistently is ranked tops for its industrial and manufacturing design and construction work by well-known industry media including Engineering News Record, Building Design and Construction and Midwest Construction. Additionally, the firm is well-known for its commercial, high-rise residential, municipal, educational and transportation projects including the current West Expansion to the McCormick Place Convention Center, New York City’s upcoming expansion of the Jacob Javits Convention Center, Chicago’s recently-completed Hyatt Center office tower and Triumph Foods’ Missouri pork processing plant.


**Castle Harlan Acquires RathGibson, Manufacturer of Specialty Tubing**

NY - Castle Harlan, Inc., the New York-based private equity investment firm, announced today that it has purchased RathGibson, Inc., a leading manufacturer of highly engineered premium stainless steel and alloy welded tubing products, in a transaction valued at $260 million.

RathGibson, based in Janesville, Wisconsin, makes a variety of straight and coiled welded tubing products and has a leading share in a number of niche markets. These include the chemical and petrochemical industries, energy, food and beverage and the pharmaceutical industry.

RathGibson’s products are fabricated according to customer specifications, and the tubing can be customized to specific lengths of up to 80,000 feet. The company’s primary trade brands, Rath and Gibson Tube, are recognized as industry leaders.

RathGibson’s revenues for the 12 months ended October 31, 2005, exceeded $200 million and its adjusted earnings before interest, taxes, depreciation and amortization (EBITDA) were approximately $43 million.

(Continued on page 3)
What’s New in Titanium?

Tico Titanium (Spring, Texas)... Is Moving

Tico Titanium, Inc. (Spring, Texas) is relocating (end of Feb. 2006) to a new and larger Service Center and Warehouse facility 5 miles north of their present location. The new facility is 17,800 ft² - 1,800 ft² of office area and 16,000 ft² (80’ x 200’) of warehouse space comprised of 2 bays with an additional 1,600 ft² outside attached sheltered pad. Equipment includes a new overhead 10 ton crane, forklifts, plate shear, horizontal bar and billet saws (with capability to 16” rd.), water cutting table and a horizontal tube cutter (with loading magazine).

This new location affords Tico Titanium opportunities for added product and equipment capacity and greater efficiency of operations with continued and improved service to our customers.

Tico Titanium, Inc.
(281) 355-6555  (888) 676-7575
(281) 355-6676 fax
519 Todd Drive
Oak Ridge North, TX 77385-7333

Tico Titanium, Inc., a Service Center headquartered in New Hudson, MI supplies titanium Fasteners, Fittings, Flanges, Bar, Billet, Rod, Weld Wire, Plate, Sheet, Seamless & Welded Pipe, Seamless & Welded Tube, Specialty Products - Sputtering Targets (various metals, shapes & sizes), Rings, Standard & Specialty Forgings and Fabrications, Tanks, Fire/Rescue Tools, Hinges, Specialty & Prototype Parts to industrial markets.

For more information please visit their website www.ticotitanium.com or at contact: sales@ticotitanium.com, call (800) 521-4392, fax (248) 446-1995.

Castle Harlan Acquires RathGibson (Continued from page 2)

William Pruellage, the managing director who led the negotiations for Castle Harlan, said the company has a solid management team, outstanding brand recognition and a strong and loyal customer base.

"The company has a leading share in very attractive markets, including energy and power, which have positive growth trends and are providing important benefits to the business," Pruellage said. "In addition, we believe the company has significant opportunities for growing sales internationally. RathGibson ships its products to approximately 30 countries around the world and recently opened a sales office in China to strengthen its relationships with customers throughout Asia."

Castle Harlan bought the company from Liberty Partners, a New York private equity firm that had acquired Rath Manufacturing in 1995, and in 1999, Rath acquired Gibson Tube of Somerville, New Jersey.

Castle Harlan, founded in 1987, invests in controlling interests in the buyout and development of middle-market companies in North America and Europe. Its team of 11 managing directors, including its founders, has completed 45 acquisitions since its inception with a total value in excess of $7 billion. The firm traces its roots to the start of the institutionalized private-equity business in the late 1960s.

Castle Harlan's portfolio companies, which employ more than 31,000 people, include Ames True Temper, a leading manufacturer of lawn and garden tools and accessories; Horizon Lines, one of the largest U.S. container shipping companies; and Perkins Restaurant & Bakery, which is the operator and franchisor of 483 family restaurants.

Castle Harlan Names New President (Continued from page 1)

Timet France. He was promoted to president of Timet Savoie S.A. in 1996 and president of European Operations in 1997.

All operating management that previously reported to the former co-presidents and chief operating officers of North America and Europe will report to Christian Leonhard, who will be relocating to Morgantown, PA. Bruce Inglis, v.p.-Finance and corporate controller also will report to Leonhard.

Steven L. Watson, vice chairman of the board was named to the additional position of chief executive officer, formerly held by Harold C. Simmons. Simmons will continue as chairman of the board.

For more information visit their website at www.timet.com.
Vulcanium Metals Inc. Welcomes New Staff Members

Vulcanium Metals Incorporated, a global distributor of titanium mill products, is proud to announce the opening of its West Coast Sales Office and the addition of Herman “Butch” Andreasson as the company’s West Coast Regional Manager. Bringing 30 years of metal distribution experience to Vulcanium, Andreasson covers medical, industrial and aerospace products for Vulcanium’s most valued customers.

In addition to general product knowledge, Butch also has experience in the forging industry. “When the opportunity arose to work for Vulcanium, I jumped at it,” Andreasson explained. “I was familiar with the company and people who work here. It was a good fit.”

Butch will also represent VMI at national trade shows and expositions. He can be reached at 562-431-7020 or bandreasson@Vulcanium.com.

Mark McCall will also join the Vulcanium team as the company’s new Quality Administrator. With ten years of quality and supervisory experience, Mark’s responsibilities will include implementing and updating ISO, as well as writing Work Instructions, procedures and training all VMI employees.

He will also oversee the completion and verification of metal certifications, working closely with VMI’s suppliers.

Mark brings to VMI on-the-job familiarity with scheduling, deadlines, inspections and the calibration of equipment. He has participated in numerous management courses and has completed the ITA’s “Titanium 101” seminar.

For more information visit VMI online at www.vulcanium.com.

Attending the TITANIUM 2006 Conference & Exhibition?

Make your reservations now at the Sheraton San Diego Hotel & Marina. Contact the hotel directly at: 619-291-2900 or make your reservations from the ITA website at www.titanium.org.
issues in today’s market as well as the effects of the advent of new low cost technologies, and forecasts overall growth in key markets, both traditional and new.

A burgeoning aerospace industry, largely fueled by sales of aircraft to small carriers and Asian airlines, has tapped existing supplies of titanium sponge beyond the expectations of even a few years ago. The surge in aerospace demand has combined with increased demand from new markets and competition for supplies from Asian steel makers. During the recent aerospace slump, marketing managers at suppliers of finished titanium products like sheet and rod, did what market managers are supposed to do, i.e., they cultivated new markets that for the most part had been priced out of using the metal. Aggressive marketing efforts, at a time of relatively low consumption levels and prices, brought new markets into being and expanded others that had tentatively ventured into using titanium. Once the aerospace industry began its emergence from its post-9/11 slump, it reasserted its role as a dominant titanium application. The result has been a rapid rise in price of raw and finished materials, and constrictions of supplies. As a result, many users in new or marginal applications are once again priced out. Others, willing to pay the higher prices, have been constrained by shortages of various forms of titanium and are forced to make do with competing materials. All of this ignores the tremendous reservoir of potential markets which could benefit from using titanium but have simply not seriously considered it because of the traditionally high price of titanium.

Suppliers of titanium sponge have stepped up and increased production, but the result will be partial relief at best. Increased production levels will provide some stabilization and reduction in price, but will fall short of levels needed to fully normalize conditions. Markets will then adjust as they always have to tight supplies and high prices, but important opportunities in expanding titanium markets will be missed.

The situation could soon be thrown into even greater flux with the advent of low cost titanium reduction. A number of low cost processes are in development and several are approaching commercialization. A few only need the resolution of funding or other business issues before volume production can begin. The expensive and inefficient Kroll process, which has dominated the industry for 60 years, is about to encounter competition from new processes that can be run much more cheaply.

Several factors argue in favor of there being at least one (and probably more) viable, high volume, low cost titanium reduction process commercially available within two years. There are more than 20 such processes in development, and some have already demonstrated technical viability. Despite the fundamental differences in approach among the various methods, the most advanced are targeting similar final costs for metallic titanium, several in the form of powder.

The output of the new low cost processes cannot be compared on a pound for pound basis with sponge; for overall savings one must look at the entire production chain. For example, several (but certainly not all) of the low cost processes approaching commercialization yield powder. Titanium powder will allow the use of powder metallurgy, with near net shape production and its attendant savings in processing and machining. Today, any application of titanium powder requires starting with sponge, which must then be crushed (and perhaps alloyed). According to industry experts interviewed for the study, powder from the newer processes can be used to manufacture all the popular intermediate forms, including wire, bar, plate, sheet, etc.

Development of low cost reduction methods coincides with important strides in reducing the cost and increasing efficiency in machining, welding and fabrication of titanium. These advances will combine, to varying degrees, to contribute to additional savings in titanium end products.

Low cost titanium could enable a range of new applications that have so far been priced out of its use. New titanium markets that have been struggling may soon find not only cheaper but more reliable supplies.

Some markets like aerospace may feel little effect within the forecast period of the report (up to 2015). The prime reason is that qualifying a new process or material for many aerospace components requires an extraordinary investment in time and money, with extensive testing. Overall, aerospace applications are tightly regulated in the materials and processes that can be used. In addition, aside from the new aircraft designs that incorporate (Continued on page 6)
What’s New in Titanium?

Titanium's unique characteristics such as low density and elastic modulus can offer significant improvements in lifetime, fuel economy and engine efficiency for vehicles in all ranges. With the availability of relatively low cost raw material, titanium has the potential to make inroads in connecting rods, valve trains, exhaust systems, pistons, linkages, brakes, drive shafts, damage-tolerant underpanels and many other systems.

The implications for the titanium industry of a successful penetration of autos are enormous. If a single popular model of an American-made car incorporated just one pound of titanium in each vehicle, it would take up most of the entire present capacity of the US milled titanium market. Should the auto begin its migration to titanium, the ability of the new low cost processes to quickly respond to market demands and scale up to higher volume production will be key.

The stakes are high. To take just one example, under an optimistic scenario of ready availability of low cost titanium powder by 2007, the market for titanium for a single application, in this case valve trains, in passenger

(Continued on page 7)
### What’s New in Titanium?

**Thintri Market Study on Titanium** (Continued from page 6)

Cars will likely reach thousands of tonnes in global consumption per year within six years (see Fig. 1).

Similar growth is forecast for a number of other automotive applications in the Thintri study, as well as for a range of new and established titanium markets.


![Fig. 1 Projected Titanium Market in Valve Train, Passenger Cars](image)

**Benefits of Alcoa Howmet** (Continued from page 1)

in New York.

“This component clearly exemplifies the benefits of the investment casting process, including speed of manufacture, affordability and design freedom,” said Michael C. Perry, Executive Director of the Investment Casting Institute. “We look forward to taking it on the road in 2006 to numerous industrial design shows to demonstrate the problem-solving capabilities of the investment casting process.”

Commenting on the redesigned M777 Howitzer, Marty Kane, Business Manager at the Picatinny Arsenal, who oversees the program for the Department of Defense, said, “The extensive use of advanced titanium investment castings on the M777 is a first for ground combat systems and the first system to incorporate the castings into major structures. The work that has been done in developing the specifications and manufacturing processes for titanium castings is paving the way for systems like the Future Combat System. With the successful manufacture of the M777 Lightweight Howitzer, the industry has demonstrated its ability to produce the lightweight, rugged components necessary to meet the ambitious requirements flowed down from war-fighters to design engineers.”

According to Jeffrey Boulet, Program Manager at Alcoa Howmet Castings, who handles the supply of castings for the BAE Systems M777 Lightweight Howitzer, the suite of 19 structural castings has significantly fewer parts and welds, as well as greatly reduced length of welds, when compared to the original prototype fabrications. Reduced raw material inputs, shorter manufacturing cycle times and significantly broader design freedom are also important positive outcomes of the investment casting process.

“The major improvements to the new howitzer system - 40 percent less weight, a 25 percent smaller footprint, and no loss of firepower — were the result of a pioneering new design that includes investment-cast titanium structural components to improve reliability and producibility,” said Frank Hoerster, BAE Systems’ Director of Fire Support Systems.

*Alcoa is the world’s leading producer and manager of primary aluminum, fabricated aluminum and alumina facilities, and is active in all major aspects of the industry. Alcoa serves the aerospace, automotive, packaging, building and construction, commercial transportation and industrial markets, bringing design, engineering, production and other capabilities of Alcoa’s businesses to customers. In addition to aluminum products and components, Alcoa also markets consumer brands including Reynolds Wrap foils and plastic wraps, Alcoa wheels, and Baco household wraps. Among its other businesses are vinyl siding, closures, fastening systems, precision castings, and electrical distribution systems for cars and trucks. The company has 131,000 employees in 43 countries and has been a member of the Dow Jones Industrial Average for 45 years and the Dow Jones Sustainability Indexes since 2001. More information can be found at www.alcoa.com.*
Inside ITA

ITA Announces New Safety Chairman

The ITA Safety Committee has announced a new chairman, Mr. George Armstrong, RMI Titanium Company. Ms. Lisa White will also be in attendance at the upcoming safety meeting and will be supporting Mr. Armstrong in his position as Chairman. Mr. Greg Creswell, TIMET, has served his two-year term as the Safety Chairman and has relinquished all his duties to Mr. Armstrong.

The next annual Safety Committee Meeting will be held on Wednesday, May 10, 2006. The location of the meeting will be at the RTI Fabrications, LP, 7600 South Santa Fe, Building C, Houston, TX 77061. A tour will also be offered following the meeting.

The ITA Safety Committee meets annually, leaving much of their work to be accomplished either via correspondence or at the annual meeting; therefore, committee members are strongly encouraged to participate. The agenda for this meeting will be sent under a separate cover.

If you wish to participate in the committee meeting please complete the form below and fax or email your reply to the ITA as soon as possible. For more information on the Conference please visit the ITA website at: http://www.titanium.org.

ITA Welcomes New Members

Aerodyne Alloys LLC is a distributor of bar, sheet, and plate, and has facilities in South Windsor, Connecticut and Fresno, California, with total employment of 22 people. They process and distribute nickel-based alloys, titanium, cobalt, and stainless, primarily to the aerospace and energy markets.

Baoji Titanium Industry Co., Ltd. was founded in 1999 and has been listed in the Shanghai Stock Exchange market in 2002. It is the biggest manufacturer in China specialized in titanium and it alloy mill products. An integrated production system including melting, forging, rolling, drawing and fabricating enable them to supply various titanium products, such as ingots, plate and sheet, seamless and welded tubing, bar, billet, wire, forgings, castings as well as titanium equipment. Visit their website at www.baoti.com.

Kasto Racine is a complete supplier and competent consultant regarding cutting and storing of metals including software. They produce hack, band, plate and circular saws, sawing centers as well as bar storage systems. KASTO’s metal sawing machines and bar storage systems are precision engineered to provide reliable, efficient performance in the long run. They have earned KASTO the long-held position of market leader for which we work extremely hard. Visit their website at www.kastoracine.com.

Thintri Inc. provides business and market intelligence for a wide range of technologies through custom consulting, technology assessments, and published market studies. Visit their website at www.thintri.com.

Nominations Sought for Titanium Achievement Award

The International Titanium Association is currently seeking nominations for the Titanium Achievement Award, which recognizes distinguished and significant contributions to the titanium industry through leadership, exceptional services or contributions that have advanced the industry in other areas.

- Nomination candidates may be submitted by any ITA member.
- Nominations should clearly state how the nominee has demonstrated outstanding achievement in his or her field benefiting the titanium industry at large.
- All submitted nominations will be presented to the ITA Awards Committee for final consideration.
- A member may make multiple nominations.
- No sitting member of the Board or of the Awards Committee is eligible for consideration.
- All nominations received will be considered “active” for three years.
- Posthumous nominations will be accepted.
- The winners (except posthumous) must be present at the ITA Annual Meeting to receive the award.
- Nominations may be submitted in writing or electronically, but will only be accepted by use of the proper form.
- Deadline for nominations is May 25, 2006

For additional information or to download the nomination form please visit the ITA website at www.titanium.org. Nominations are due to the ITA by May 25, 2006.
TITANIUM 2006

Call For Papers

TITANIUM 2006 is the only annual event dedicated exclusively to the titanium industry. The TITANIUM 2006 audience represents executive staff, producers, fabricators, distributors, suppliers, purchasing agents, quality control managers, government labs and academia. More than 250 companies and organizations will attend TITANIUM 2006.

TITANIUM 2006 will encompass over 50 presentations containing relevant information on:

- Factors that may eventually lessen the cyclically of the titanium industry.
- How emerging markets are being supported and not hindered by supply and cost issues.
- Current levels of demand; Sponge production; Capacity expansions; Scrap supply recovery and the depletion of world stockpiles.

**Please review the following list of symposia topics and submit your abstract no later than March 20, 2006.**

**Abstract Submission:**

Only abstracts in English will be considered. Abstracts should be 300 words or less. It is highly advisable to include sufficient detail to allow for fair evaluation of the work discussed. Complete contact information for all co-authors, and biographical information for the presenting author will be required. Availability will not last long – submit your abstract today!

Submit your abstract on or before the submission deadline of April 10, 2006.

For inquiries on TITANIUM 2006, please contact:
Jennifer Simpson, Executive Director
International Titanium Association
2655 West Midway Boulevard
Suite 300
Broomfield CO 80020 USA
(303) 404-2221 Telephone
(303) 404-9111 Facsimile
www.titanium.org Website

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Technical Program - Symposia Panels Include:

**World Industry Trends**
World representatives will discuss how the current high level of demand is not occurring from one sector of the industry, but across all markets.

**Commercial Aerospace**
Industry leaders will discuss record production levels and the development of more titanium intensive airplanes.

**Industrial Markets**
Growth in new power generation, chemical processing, and oil & gas markets will be highlighted.

**Emerging Markets**
Find out how new markets are being supported and not hindered by supply and cost issues. Automotive, Consumer, Sporting, and Architecture applications will be represented.

**Military Applications**
Panel representatives will discuss applications and affordability of Military aerospace; Armor, and Ground Vehicle applications.

**Raw Materials**
Papers covering topics of Ferro-titanium; Rhenium; Titanium Sponge, and others will be presented.

**Offshore Applications**
An emphasis of novel techniques for enhanced corrosion resistance of titanium will be addressed.

**Medical & Dentistry Applications**
Titanium and Orthopaedics, biomaterials, and new titanium alloys for medical applications will be reviewed.

**Distribution Trends**
Distribution strategies, market trends, challenges and opportunities will be presented by world representatives.

**Emerging Technologies**
An examination of the latest cost efficient titanium metal production technologies to replace the 1950s Kroll process will be covered.

**Welding and Joining Technologies**
A variety of papers including development of high quality and productivity joining processes for titanium alloys will be presented.
Fundamentals of Titanium Workshop

Workshop Information

The Fundamentals of Titanium will prepare you to present and work effectively with job-related functions that involve titanium. You will receive a complete overview of titanium and a thorough grounding in its metallurgy, characteristics, properties and uses. Detailed information on the types, uses, and properties of common titanium alloys are discussed. Attendees will leave with an understanding of applied titanium metallurgy.

I am interested in the following locations:

- Seattle, Washington
  May 19, 2006
  W Seattle Hotel

- October 4, 2006
  San Diego, California
  Sheraton San Diego Hotel

- November 3, 2006
  Pittsburgh, Pennsylvania
  Crowne Plaza Pittsburgh Airport

Contact information:

Name: 
Telephone: 
Facsimile: 
Email: 
Mail Post: 

Presented by the:
International Titanium Association
Please fax to: 303-404-9111

Course Content
Historical Overview of Titanium
Cleaning & Finishing
Metallurgy & Metallography of Titanium
Casting
Mechanical Properties and Testing
Powder Metallurgy
Titanium Alloy Processing
Joining
Corrosion Resistance
Heat Treating
Machining & Chemical Shaping
Applications Overview

This course is appropriate for:
Professionals that use, process or fabricate components with titanium. Individuals who need an understanding of titanium and its alloys to facilitate their job functions including:
- Administrators
- Marketing / Sales
- Operations
- Purchasing
- Potential Users of Titanium
- Quality Control

Cost:
The cost for the workshop is:
$195 for ITA Members
$245 for Non-Members

As part of the course, ITA will provide attendees with comprehensive handouts to serve as reference tools to utilize the information as needed in the workplace. Attendees will also receive a 20% discounted voucher for the publication, Titanium, when ordered through the International Titanium Association.
ITA Classified Ads

ITA On-line Classified Ads

ITA members rely on the ITA website for the latest news & upcoming events. The website reaches more qualified personnel for titanium related operations.

Advertise:
Equipment, Materials, Products, or Business Opportunities.

Materials For Sale:

HIGH QUALITY 6-4 sheets, AMS4911, ASTM B 265, and Mil-T-9046

Affinity International has the following material in high quality and at a very competitive price:

6-4 sheets, AMS4911, ASTM B 265, and Mil-T-9046.
0.032” x 36 x 96 0.040” x 36 x 96 0.050” x 36 x 96
0.063” x 36 x 96 0.071” x 36 x 96 0.090” x 36 x 96

Contact: John Li, Affinity International
Telephone: 626-935-5588, Fax: 626-912-3578, Email: john1098@adelphia.net

Materials Wanted:

Looking for Excess Usable Inventory
North American Alloys is looking to buy excess usable inventory, remnants, scrap or recycle in all titanium alloys. Call us today for a prompt and competitive bid.

Contact: Michael Shulimson
Telephone: 818-890-2250 or 800-985-2250
Fax: 818-890-7102  Email: m.shulimson@att.net
Steven Meredith
Telephone: 509-586-8848 or 800-985-2250
Fax: 509-586-4943  Email: steve@northamericanalloys.com
Visit us on the web at: www.northamericanalloys.com
North American Alloys

Services:

DUTY DRAWBACK RECOVERY
International Drawback Services (IDS) is one of the largest companies specializing in duty drawback. Duty Drawbacks are among the most valuable, yet most overlooked resource in the import/export industries.
·  Any duty-rated material is eligible for Drawback recovery.
·  IDS can recover refunds on duties you paid up to 5 years ago.
·  Even companies with no direct import or export activity can benefit from Drawback recovery.
·  As a neutral 3rd party, IDS is bound by strict confidentiality agreements.
·  IDS is compensated by commissions based solely on the recovery of duties.

Please call 281-395-6633 or visit our website at www.idrawback.com for more information

Thintri Market Study
Thintri Inc. provides business and market intelligence for a wide range of technologies through custom consulting, technology assessments, and published market studies. For more information on the report, The Titanium Age: Supply Constraints and New Markets, see the Thintri web site at www.thintri.com.

Materials For Sale:

TITANIUM CASTING FURNACES FOR SALE
Have two (2) induction skull melting (cold wall crucible) and precision casting systems available on an as-is, where-is basis. The systems were originally designed to melt and centrifugally cast 25 lbs of titanium and titanium alloys. The furnace systems can also be adapted to Zirconium and other reactive alloys. The equipment is in very good condition and was originally manufactured by ALD Vacuum Technologies in 1996/97. For further information, please contact Dave via Email: dowar35@aol.com

Equipment For Sale:

Business Opportunities:

A detailed job description can be located on the Classified Ads section on the ITA website at www.titanium.org.

Engineer
Job Desc: ITP, LLC has developed the Armstrong Process for the commercial production of titanium/titanium alloy powders. The company is in a scale-up phase to substantially increase production levels to meet expanding Department of Defense and commercial markets. Engineers’ responsibilities include, but not limited to, detailed piping and instrumentation diagram preparation, facilities permitting, chemical plant construction, working within budgets and time schedules.

Metallurgical Engineer
Job Desc: ITP, LLC has developed the Armstrong Process for the commercial production of titanium/titanium alloy powders. At the company’s research and development facility, Lockport, Illinois; metallurgists are responsible for activities related to the direct production of Armstrong Process advanced titanium alloy powders. The work includes extensive interaction with Government agency (Department of Defense, Department of Energy), academic, and industry partners developing process methodology to transition Armstrong titanium for applications in modern component fabrication processes.

For more information contact: International Titanium Powder, LLC, 20634 W. Gaskin Dr., Lockport IL 60441
Email: hr@itponline.com
Phone number 815-834-2112
Fax number 815-834-2113
Current Membership Includes the Following Companies

Accushape Inc.                        President Company, Ltd.
Aerodyne Alloys, LLC                 President Titanium Incorporated
Affinity International, LLC          RathGibson
Allegheny Technologies Inc.          Reading Alloys Incorporated
  ATI Allegheny Ludlum                Renton Coil Spring Company
  ATI Allegheny Rodney                Retech Systems LLC
  ATI Allvac                          Rome Metals Inc.
  ATI Titanium International          Roskill Information Services Ltd.
  ATI Wah Chang                       RTI International Metals Inc.
Avon Metals Ltd.                     RMI Titanium Company
Baoji Titanium Industry Co., Ltd.    RTI Claro
Bayern Software                      RTI Energy Systems
BIBUS Metals AG                      RTI Fabrication
BodyCote                            S. Letvin & Son, Inc.
CEFIVAL                              Sandinox Comercio
Center for Advanced Mineral &       Sapa International
  Metallurgical Processing           Service Steel Aerospace
CONSARC Corporation                  Shanghai Huaxia Industry Co, Ltd
Corrosion Materials                  Snap on Tools
Deutsche Titan GmbH                  Solar Atmospheres Incorporated
DGA/CTA                              Specialty Metals Company
Dolphin Inc.                         Specialty Metals Processing Inc.
DuPont                               Spectore Corporation
Dynamet Incorporated                Spemet Company, Ltd.
Dynamet Technology Incorporated      Stratcor, Inc.
Dynamic Flowform                     Strohecker Incorporated
EHK Technologies                     Sumitomo Corporation of America
ELG Metals Inc.                      Sumitomo Titanium Corporation
Enviro Tech International Inc.       Supra Alloys Incorporated
Excelco Developments Inc.            Thermo Electron Corporation
F.W. Hempel & Co.                    Thintri, Inc.
FAE S.A. Fabricación de              Tibrasil Titania Ltda.
  aleaciones especiales               TICO Titanium Incorporated
FIKO Ltd.                            Tides Marine, Inc.
Form & Technik HgmbH                 TIMET
Fort Wayne Metals Inc.               LOTERIOS S.p.A
G&S Titanium                         TIMET Automotive
GfE Metalle & Materialien GmbH       TIODIZE Company, Inc.
GIB Resources Incorporated           Titania S.p.A.
GRANDIS TITANIUM                     Titanium Engineers Incorporated
Harvey Titanium Limited              Titanium Fabrication Corporation
Heraeus Inc. - Medical Components    Titanium Finishing Company
  Division                           Titanium Industries Incorporated
Hi Tech Alloys                       Titanium International Fabricators (Pty) Limited
High Performance Tube                Toho Titanium Co., Ltd.
Howmet Corporation                   Trans World Alloys Company
Hyundai Titanium Company, Ltd.       Tricor Industrial Incorporated
Innovative Custom Engineering ICE    TSI Titanium
International Drawback Services      United Alloys & Metals, Inc.
International Titanium Powder        United Titanium Incorporated
Jamegy Incorporated                  Uniti Titanium
Kasto Racine                         Vacuum Process Engineering Inc.
Keywell LLC Vac Air Division         VALTIMET
Lectrotherm                          Verichek Technical Services Inc.
Luxembourg Company of Metals &       VSMPO
  Alloys S.A.
Medart, Inc.                         NF & M International Inc.
Metal Management Aerospace           Vulcanium Metals Incorporated
Memel Corporation                    Wellmet International Inc.
Monico Alloys Incorporated           West Penn Testing Group
North American Alloys                Westmoreland Mechanical Testing & Research Inc.
Perryman Company                     Wire Works Studio
Pine Tree Castings                   ZAK, Inc.
Plymouth Extruded Shapes             Wire Works Studio
Plymouth Tube Company

Founded in 1984 the International Titanium Association is a nonprofit networking trade association for the titanium industry. Current membership includes 126 organizations.