

ACME ALLIANCE is global manufacturer of custom engineered aluminum and zinc die-cast components.
Our clients benefit from regional production on three continents: North America, South America and Asia.

Acme Alliance LLC

Tel: 1-847-272-9520
Email: info@acmealliance.com
Address: 3610 Commercial Ave,
Northbrook, IL, 60062, USA

Pichinin

Tel: 55-11-4555-4677
Email: comercial@pichinin.com.br
Address: Rua Juraci Fernandes, 55 |CEP: 09380-150
Maua, SP, Brasil

Acme Alliance Asia

Mobile: 13828828050
Tel: 86-755-2798-9916
Email: sales@acmealliance.asia
Address: No. 6, Niusheng Road, Kengzi Office,
Pingshan New District, Shenzhen, Guangdong Province

Northbrook, IL, USA
since 1964

Shenzhen, China
since 2001

Maua, SP, Brazil
since 1989



400 EMPLOYEES

91 CLIENTS

18 ALLIANCE PARTNERS

6 MAJOR MARKET SEGMENTS

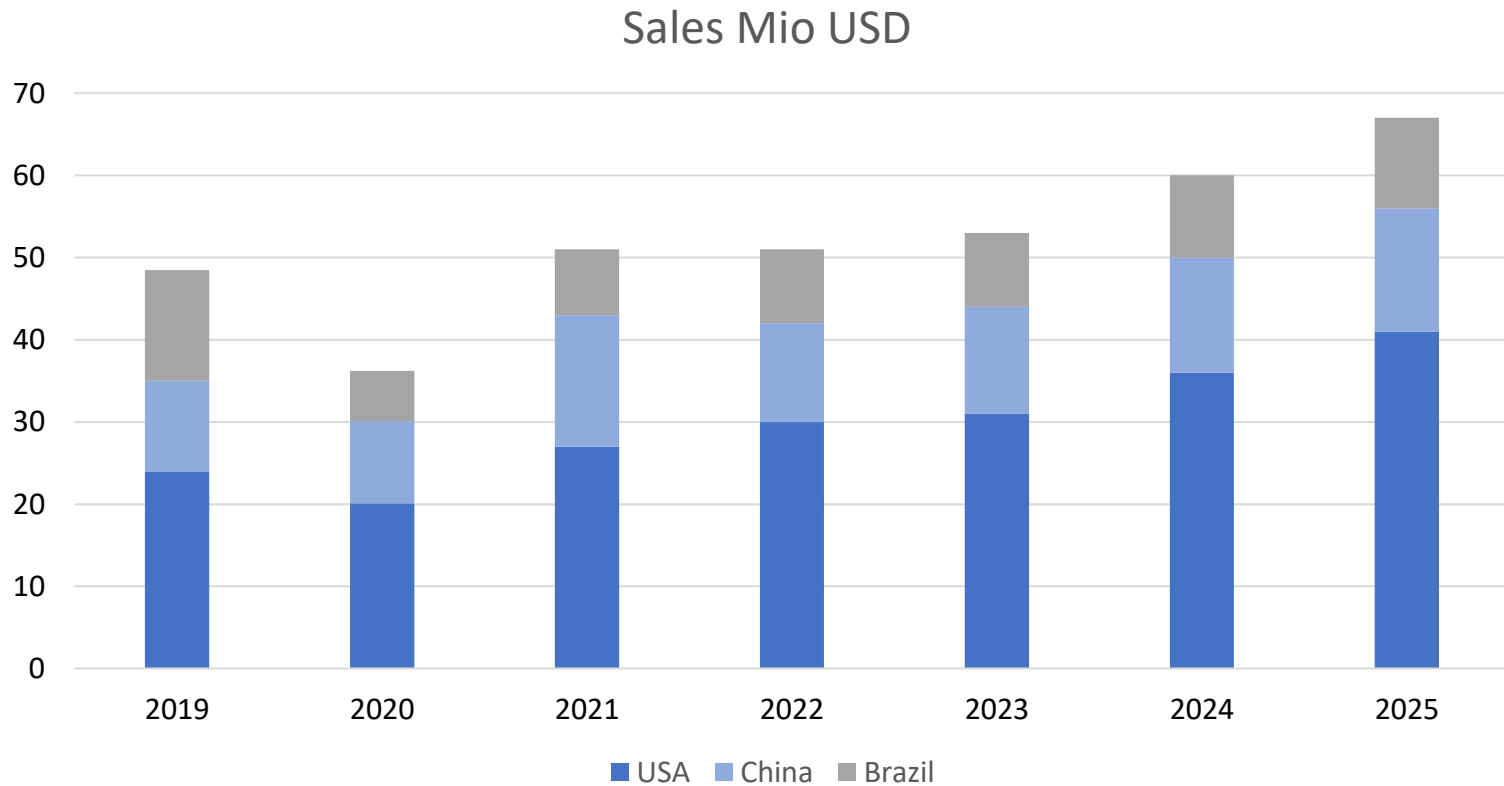
3 REGIONAL FOUNDRIES

1 GLOBAL STANDARD

Acme Alliance Sales



USA – China - Brazil



Acme Alliance Global Clients



NORTH AMERICA



Well diversified among major market segments, including 20-25% automotive.

SOUTH AMERICA



Focused mostly on automotive.

ASIA



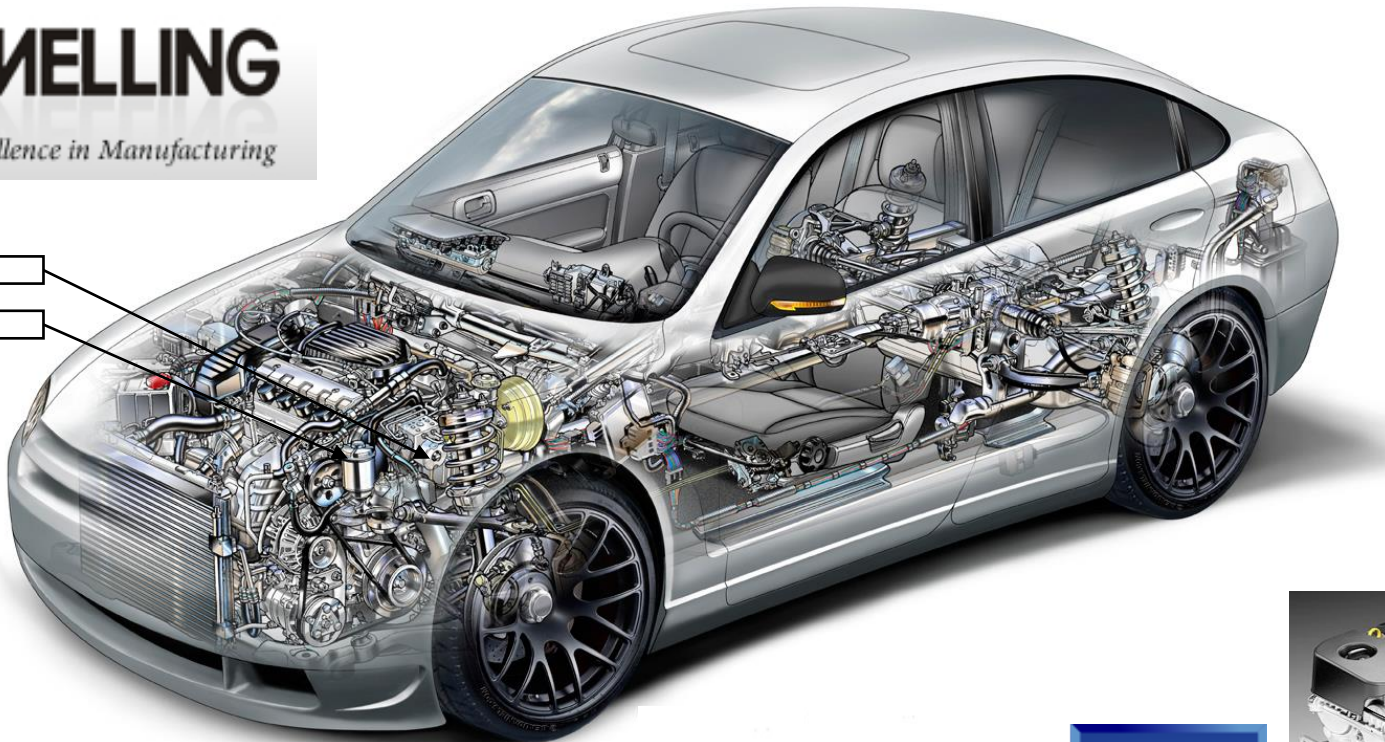
Focused mostly on Telecom.

Acme Alliance Automotive



Water Pump Housing

Oil Filter Housing



Acme Alliance Heavy Truck

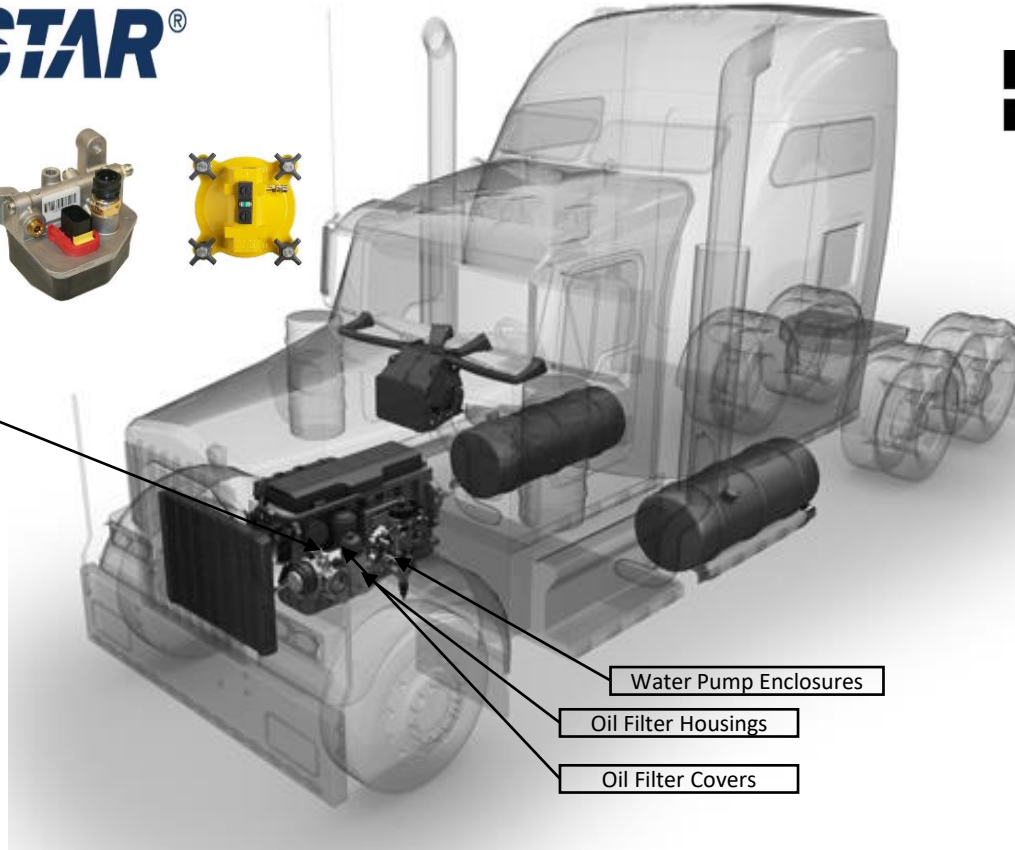
NAVISTAR®



Dosing Manifold



PACCAR



Water Pump Enclosures

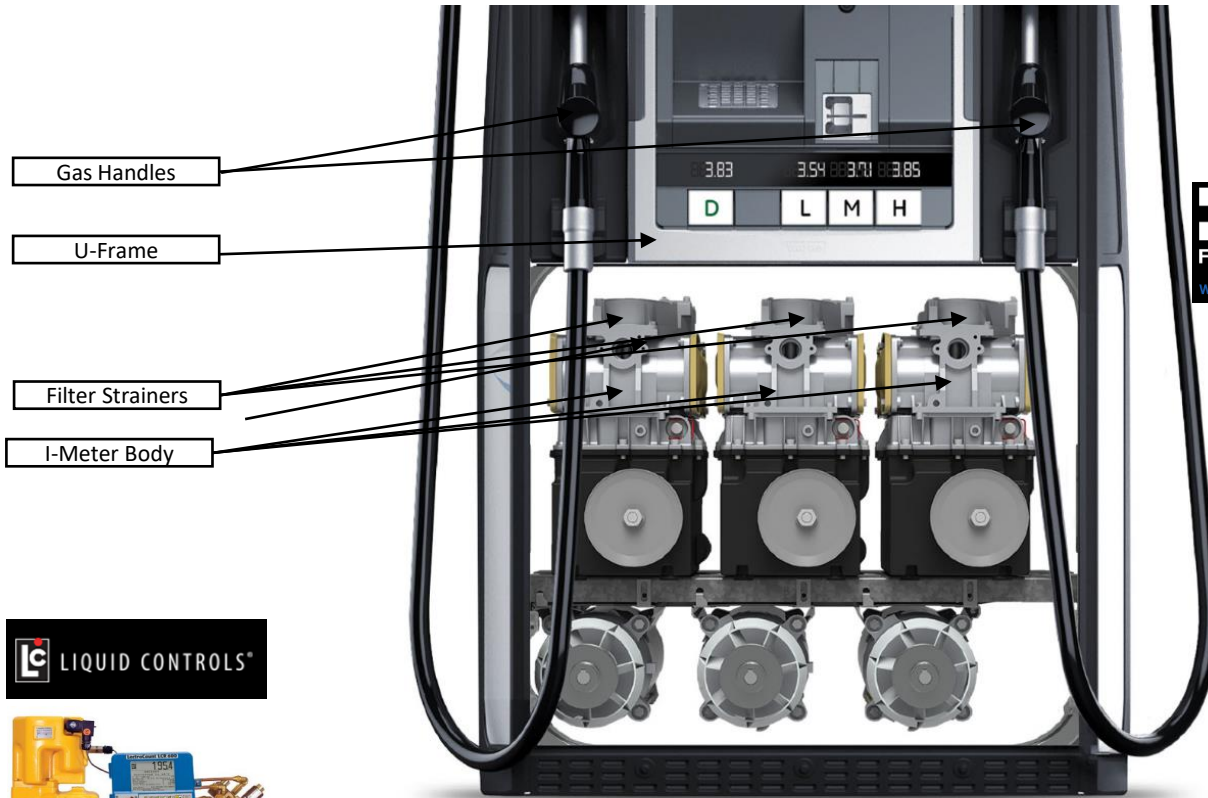
Oil Filter Housings

Oil Filter Covers

Parker Racor



Acme Alliance Energy



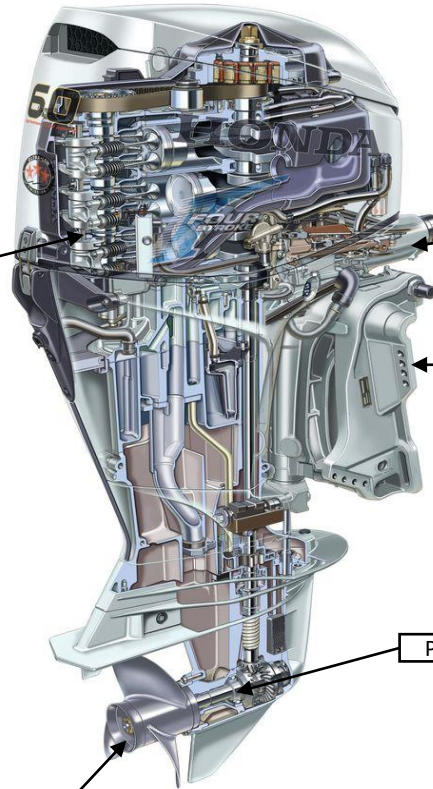
Acme Alliance Marine



Crankcase Housings



Propellers



MERCURY
1st On The Water

Swivel Brackets

Stern Brackets



Propshaft Housings

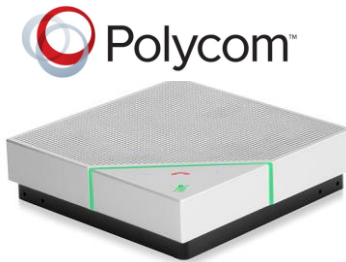
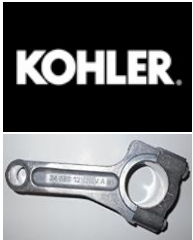
**VOLVO
PENTA**



Acme Alliance Recreational & Agricultural Products



Acme Alliance Industrial Other



Acme Alliance North America Alliance Partners



ANODIZING

PLATING

MECHANICAL FINISHES

MAGNESIUM & ALUMINUM



Powder Coating

Black Oxide

E-Coating

Phosphate Coating

Silk Screen & Pad Printing

Wet Spray Painting

Zinc Plating



Electroless Nickel Plating
Mil-C-26074



Anodizing Services



Chromate Conversion



Powder Coating Services



Resin Impregnation

Acme Alliance – North America Equipment Listing



Die Casting Machines

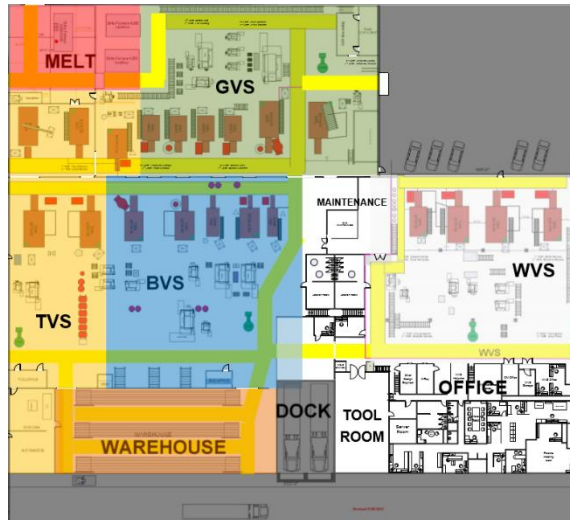
<u>Description</u>	<u>Qty</u>
Lester HP (570 MT/630 UST)	4
Buhler 84 DL (840 MT/925 UST)	7
Buhler Ecoline Pro 84 (840 MT/925 UST)	2
Buhler 66 (660 MT/727 UST)	2
Buhler 53 (530 MT/584 UST)	2
Total: 17	

CNC Machining Centers

<u>Description</u>	<u>Qty</u>
Mori Seiki NH4000	7
Mori Seiki CL-253	3
Mori Seiki SV-400	1
Mori Seiki SH-400	1
Mori Seiki NHX6300	1
Mori Seiki SH500	1
Mori Seiki MV-40	1
Brother TC-R2A	3
Brother TC-22A	1
Brother TC-32A	2
Brother TC-32B	6
Brother Speedio R450X1	1
Brother Speedio R450X2	1
Brother Speedio S500X1	2
Total: 31	

Quality Process Equipment

<u>Description</u>	<u>Qty</u>
Spectrometer	1
Cordax Sheffield Measuring Mach	2
Hexagon Measuring Mach	2
Hardness Testing Mach	1
Fluoroscopic X-Ray	1
Dedicated air decay leak test	12
Cleanliness Test Equipment	
GT Vision SN: GT0210	1
Rotary Degassing	1
Wan Degasser	1
Porosity Analysis System	
PALMER PAS-5000	1



100,000 S.F. / 9,290 S.M. Northbrook, IL 60062 USA

Gas & Electric Furnaces

<u>Description</u>	<u>Qty</u>
Striko Westofen Stack Melter's:	3
Melter/Holders	7
Holding Furnace	14

Software

<u>Description</u>
CMM PCDMIS
CAD PROENGINEER
Flow Simulation: MAGMASOFT

Secondary Equipment

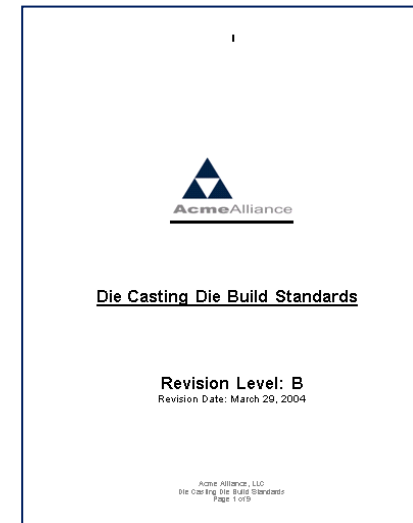
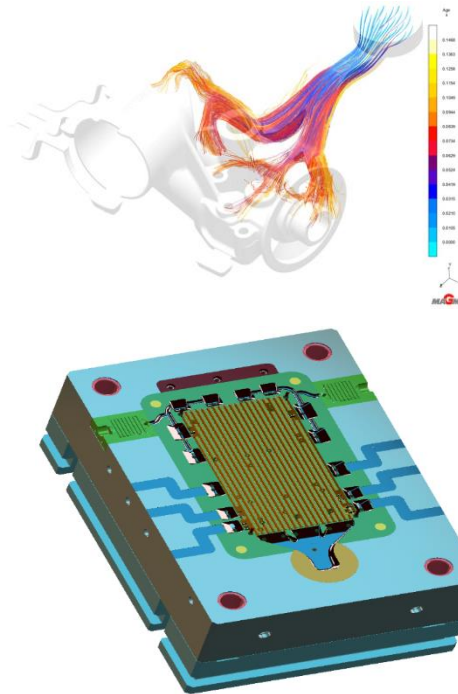
<u>Description</u>	<u>Qty</u>
Automatic ladle	19
Robotic Sprayer/Extractor	19
Trim Press	19
Vibratory Finish	15
Shot Blast Cabinet	10
Robomatic Hot Oil	11
Wash Machines	16



Acme Alliance Global Tool Build Standard



- Global Standard Equipment:
 - Die-casting machines: Buhler
 - CNC machining centers: Mori-Seiki & Brother
- In-house tool design
 - Dedicated Tool Design Staff
 - Magmasoft: die-casting process flow simulation
 - Mastercam: CNC machine programming
 - Pro-Engineer/Creo CAD Modeling
- Acme Alliance Global Die Cast Die Build Standards
- Alliance Tool Build Partner Provided with:
 - Complete 3D tool model
 - Complete Bill of Materials
 - Specified steel & heat treatments
 - Assembly & detail tool drawings
 - Acme Asia engineers to monitor offshore tool build
- 15-Year Alliance tool build partner in China. Tool build partners also available in Brazil and USA for local tool builds.
- Once completed, tools are sampled at Acme Alliance Asia or Brazil on the same standardized die-cast equipment.





Acme Alliance Quality Planning Process – PPAP



Acme Alliance, LLC's ISO 9001:2015 & IATF 16949:2016 certifications provide a platform for standard work. Acme's value stream production system is established to control process flow while reducing waste and improving quality.

Acme Alliance, LLC ISO 9001:2015



Acme Alliance, LLC IATF 16949:2016









All die-casting parts produced by Acme Alliance go thru a Level 3 PPAP where the following are provided to the customer:

- Design Records Drawings
- Process Flow Diagram
- Process FMEA
- Dimension Results
- Material Performance Test Results
- Process Capability Studies
- Measurement System Analysis
- Control Plans
- Part Submission Warrant
- Sample Parts

Acme Alliance

Quality Planning Process – Work Instructions

Work Instructi	Process Description				
	Author	ISO Reference	WI Rev/PN Rev	Date	Value Stream
	M. Anderson	50401A-16 CNC Loading	1	8/15/14	Blue
Equipment/Tools/Gauges Needed: hex wrench, air gun					
Safety Considerations: Wear proper personal protective equipment.					
					
Step	Instruction	Image			
Step 1 of 4: Unload machined parts	<ul style="list-style-type: none"> Take the hex wrench from the wall of CNC machine. Open the door of the CNC machine. Loose the four screws with hex wrench. Take the parts out and place them in the basket of washing machine. Start the wash machine. 				
Step 2 of 4: Clean machining area	<ul style="list-style-type: none"> Blow off chips from the machining areas with air gun. 				

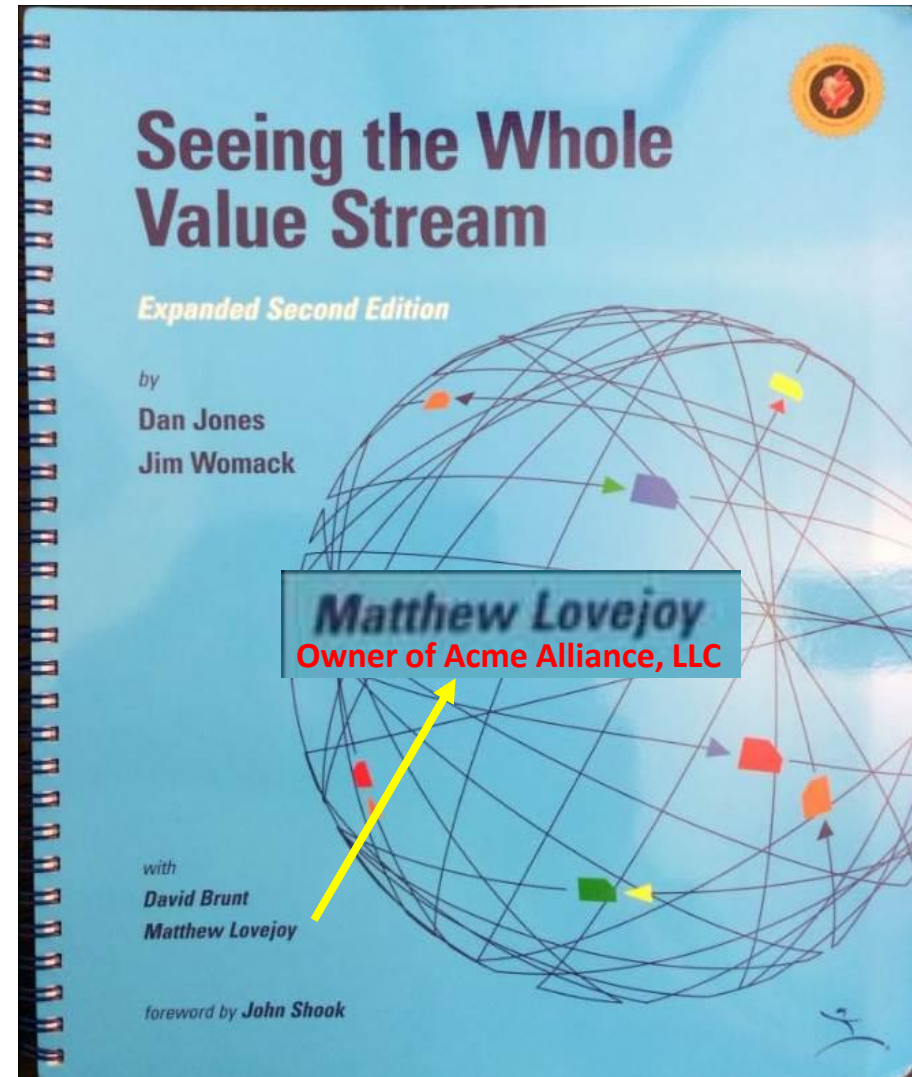
Work Instructi	Process Description				
	Author	ISO Reference	WI Rev/PN Rev	Date	Value Stream
	M. Anderson	0401A-16 CNC Loading	1	0	8/15/14
Equipment/Tools/Gauges Needed: hex wrench, air gun					
Safety Considerations: Wear proper personal protective equipment.					
					
Step	Instruction	Image			
Step 3 of 4: Load two parts	<ul style="list-style-type: none"> Take two parts from the super market and place them at the machining area. Cavity 1 goes to the left position, and cavity 2 goes to the right position. Tighten the four screws with hex wrench. 				
Step 4 of 4: Start the machine	<ul style="list-style-type: none"> Close the door. Push green button on the control panel to start the machine. 				



Why choose Acme Alliance?

Global Total Cost of Ownership Model

- Global standards
- Regional Supply
- Total Cost of Ownership
- Predictable standard work
- A progressive Lean culture
- In house Tooling design
- Managed inventory
- Consistent Product Quality
- Value added operations



Acme Alliance 5-year strategy



To diversify our customer base:

Current segments:

- Automotive and Heavy-Duty Trucks



- Marine



- Recreational Products



- Gas dispensing



- Agriculture



- Small Engines



New segments:

- Solar Energy components



- EV



- e Mobility



Acme Alliance 5-year strategy



To expand our current manufacturing plants:

- USA- Northbrook, Illinois.
 - Current: 89,000 SQF
 - **Goal: 134,000 SQF**
- Brazil – Sao Paolo
 - Current: 70,000 SQF
 - **Goal: 105,000 SQF**
- China - Shenzhen
 - Current: 215,000 SQF
 - **Goal: 322,000 SQF**



Acme Alliance 5-year strategy



To start operations in Europe within two or three years with a warehouse or manufacturing plant.

Current manufacturing plants.

Acme Alliance LLC

Tel: 1-847-272-9520

Email: info@acmealliance.com

Address: 3610 Commercial Ave,
Northbrook, IL, 60062, USA

Pichinin

Tel: 55-11-4555-4677

Email: comercial@pichinin.com.br

Address: Rua Juraci Fernandes, 55 |CEP: 09380-150
Maua, SP, Brasil

Acme Alliance Asia

Mobile: 13828828050

Tel: 86-755-2798-9916

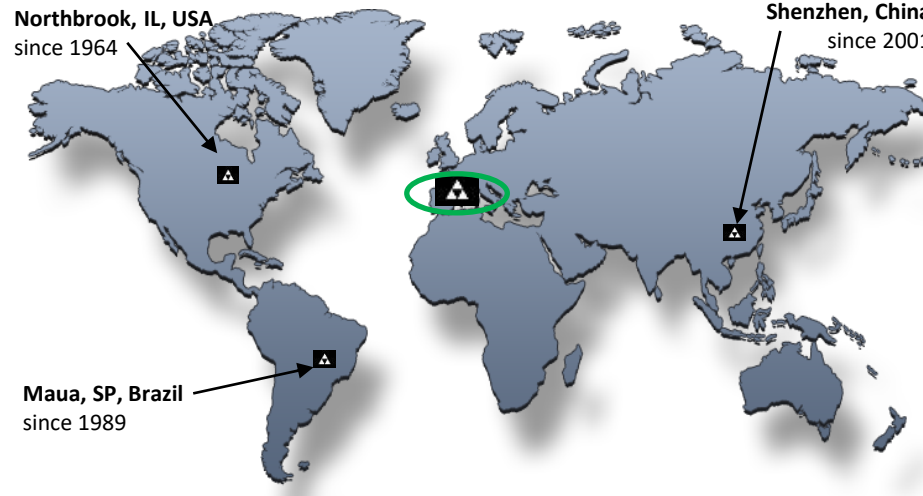
Email: sales@acmealliance.asia

Address: No. 6, Niusheng Road, Kengzi Office,
Pingshan New District, Shenzhen, Guangdong Province

New site.

Portugal or Eastern Europe as main options.

Northbrook, IL, USA
since 1964



Shenzhen, China
since 2001

Maua, SP, Brazil
since 1989

www.acmealliance.com