

UACJ Automotive Whitehall Update

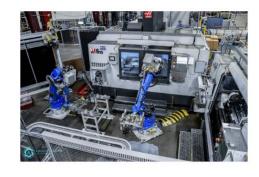


June 7, 2023

Vertically Integrated Process Flow











Extrude

Fabricate

- Machining
- Laser Cutting
- Robotic Welding
- Bending

Assemble

- Manual
- Automated



- Superior aluminum extrusion process control
- Precision machining (nearly 50 years)
- Vertical integration
- Welding, laser cutting, bending
- Excellent quality less than 20ppm





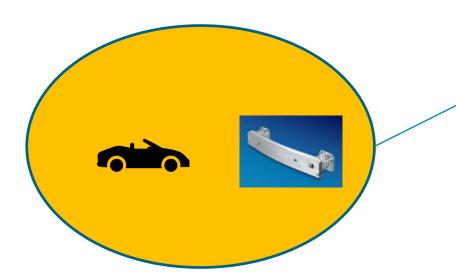


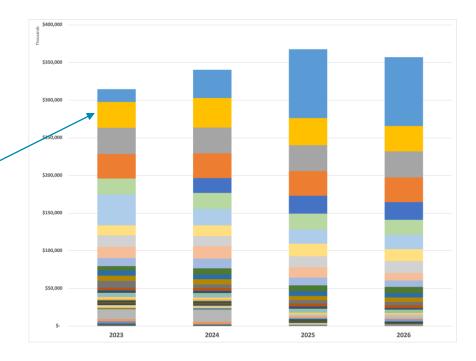
Automotive Parts Business Model

- 100% Automotive
- Automotive parts business consists of many single source contracts:
 - Awarded 2-4 years prior to SOP
 - Contracts awarded for life of program typically 6 years
 - Capital/Tooling must be in place and verified 6-12 months prior to SOP
 - Sales volume dependent upon vehicle sales
- Vertically integrated billet through finished part

Engineer to engineer business development prior to award

Low SG&A costs

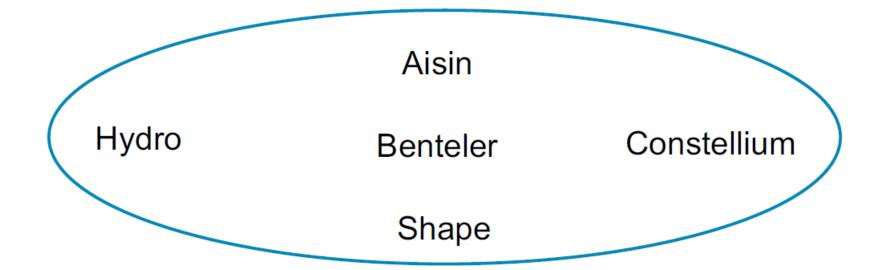




UACJ Automotive Whitehall Locations



Competition - Vertically Integrated Automotive Structural Part Suppliers

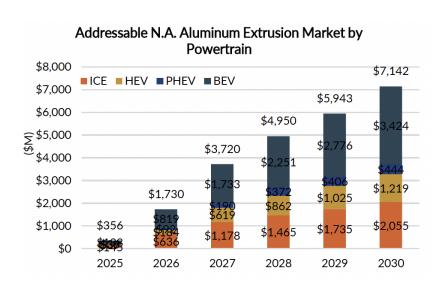


I Believe that UACJ Whitehall is the most capable overall relative to our competition:

- Leader in structural extrusion capability and process control
- Tight tolerance machining for almost 50 years
- Relatively small, but very responsive and flexible
- Exellent in quality less than 20ppm, zero ppm for many large customers
- Competitive cost structure

North American Market Conditions

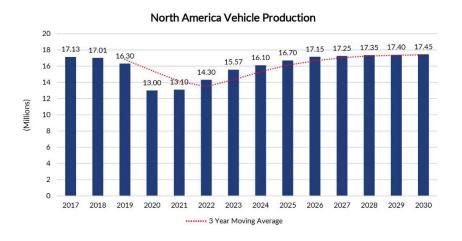
- Margins for auto suppliers have been negatively affected by inflation and pressure to increase wages.
- Chip and component shortages have eased
- Automotive production is expected to increase to 17 million during 2026
- The aluminum extrusion content in the NA automotive market is expected to grow rapidly, driven by EV







Announced vehicle production forecasted to normalize to approximately 17 million units through 2030—three year moving average in 2023 approximately 14 million units

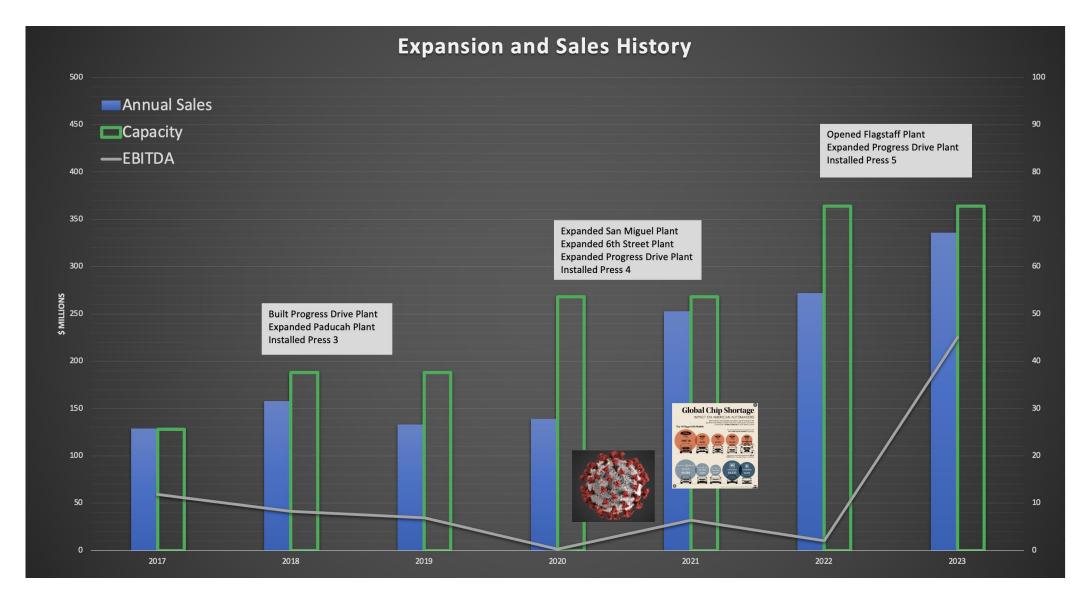


plante moran | Audit. Tax. Consulting. Wealth Management.

Confidential

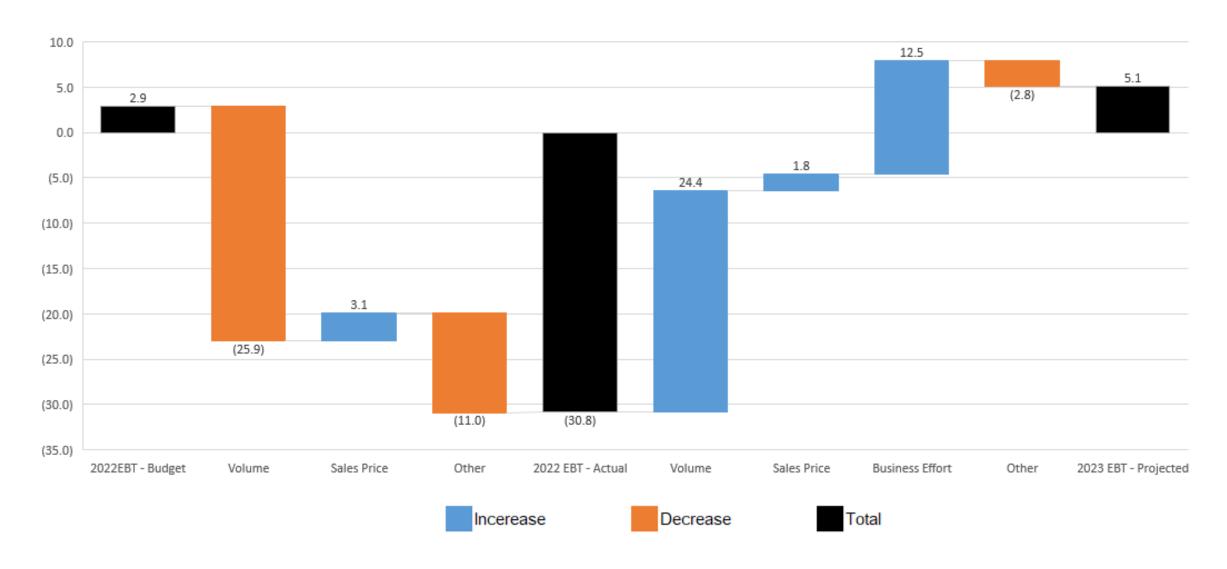
93

Capacity vs Sales Chart 2017 - 2023

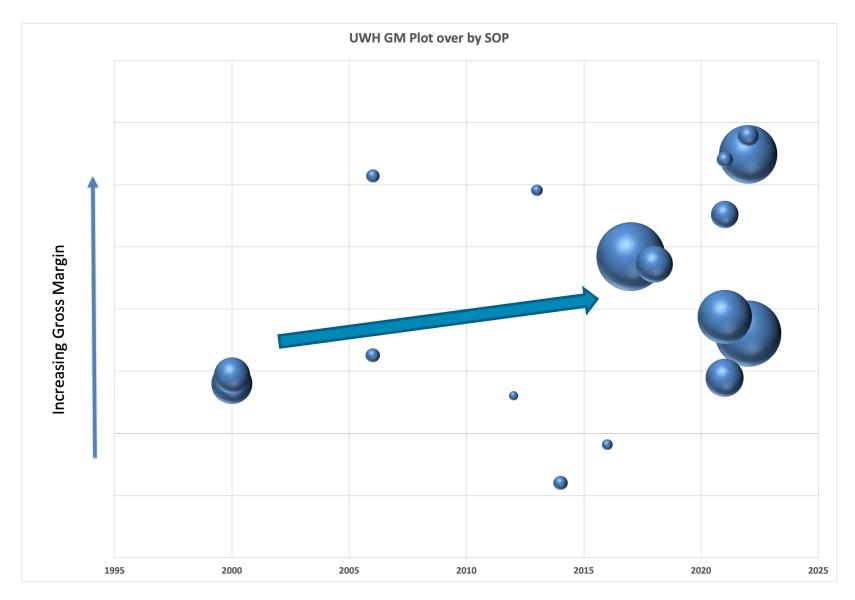


© UACJ Corporation. All rights reserved.

2022 to 2023 Waterfall



Gross Margin by Program over Time



Short Term Focus

- 6 years of expansion are complete complete:
- We have grown in excess of 15% CAGR during some difficult times
- We have transformed from tier 2/3 to primarily tier 1 Structural
- Recent launches of major structural automotive programs have been very successful
- We are now a leader in automotive structural extrusion capability
- We have maintained an excellent quality record of less than 20ppm
- We now have name recognition, and are sought by major OEM's for new business
- We are now pausing expansion. During this pause, we are focused on:
 - Improving profitability
 - Reducing debt
 - Kaizen on newly launched programs
 - Preparing for the next step up and selecting new program targets

Short term focus



Continuous Improvement



Automation



Restructuring



Kaizen Events



Price Negotiations with Customers

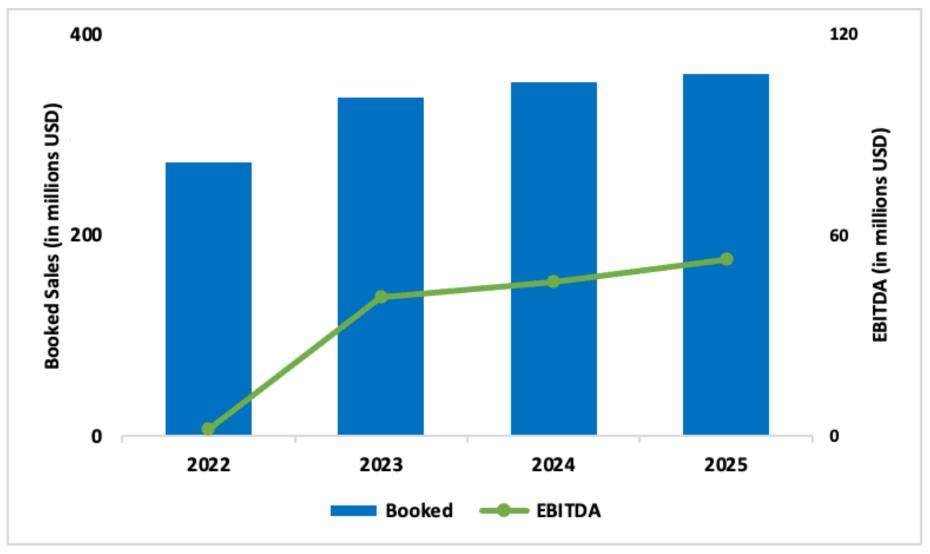


Growing Business in Mexico



Price Negotiations with Suppliers

Sales Forecast 2023-2027 & EBITDA Chart 2022-2025



© UACJ Corporation. All rights reserved.



Aluminum Extrusion Addressable Market *Methodology*



- 1. Identify Key Components
- Identify key aluminum extruded components
- Assign key extruded components to product profile
- Estimate mass and quantity per vehicle by component

- 2. Product Value per Vehicle (VPV)
- Identify material pricing and estimate % of component price related to material
- Calculate component pricing based on mass and material %
- Validate component mass and pricing with similar current UWH components
- Estimate aluminum usage % of identified parts by powertrain type (ICE, HEV, PHEV, BEV)
- Calculate total VPV by powertrain type (ICE, HEV, PHEV, BEV)
- 3. Identify 2025+ vehicle launches & production volume
- Identify upcoming vehicle launches (2025+) and associate production volume
- Forecast new launch production volume by powertrain type (ICE, HEV, PHEV, BEV)

- 4. Addressable Aluminum Extrusion Market
- Forecast addressable aluminum extrusion market (VPV x new launch production volume) by powertrain type and OEM group

Confidential



Aluminum Extrusion Addressable Market Key Components



45

1. Identify Key Components

- Identify key aluminum extruded components
- Assign key extruded components to product profile
- Estimate mass and quantity per vehicle by component

Product Profile	Component	Qty.	Extrusion Unit Mass (lbs.)	Extrusion Total Mass (lbs.)
Complete Battery Enclosure	Frame & structure, cooling system, tray / lower cover	1	95	95
Body & Chassis	Cross Car Beam	1	10	10
	Cross Members	2	13	26
	Radiator Support	1	5	5
	Subframe / Engine Cradle	1	20	20
	Rockers	2	5	10
	Roof Header & Rails	4	2	8
	Front Side Member	2	5	10
	Rear Side Member	2	5	10
Crash	Bumper Beam	2	11	22
Management	Crash Can	4	5	20
	Side Impact Beams	4	5	20
	Total	26	181	256



Aluminum Extrusion Addressable Market Value per Vehicle



2. Product Value per Vehicle (VPV)

- Identify material pricing and estimate % of component price related to material
- Calculate component pricing based on mass and material %
- Validate component mass and pricing with similar current UWH components
- Estimate aluminum usage % of identified parts by powertrain type (ICE, HEV, PHEV, BEV)
- Calculate total VPV by powertrain type (ICE, HEV, PHEV, BEV)

Electrified Powertrains	2022	2023	2024	2025	2026	2027	2028	2029	2030
Complete Battery Enclosure	90%	89%	87%	86%	85%	84%	82%	81%	80%
Body & Chassis	65%	66%	67%	69%	70%	72%	75%	77%	80%
Crash Management	90%	91%	91%	92%	93%	93%	94%	94%	95%

ICE Powertrains	2022	2023	2024	2025	2026	2027	2028	2029	2030
Complete Battery Enclosure					0%				
Body & Chassis	50%	51%	52%	54%	55%	56%	57%	59%	60%
Crash Management	75%	76%	77%	79%	80%	81%	82%	84%	85%

Product Profile	Extrusion Total Mass (lbs.)	Mat'l (\$/lb.)	Mat'l %	BEV Value
Complete Battery Enclosure	95		40%	\$356.25
Body & Chassis	99	\$1.50	30%	\$495.00
Crash Management	62		28%	\$332.14
			Total	\$1,183.39

ICE VPV	HEVVPV	PHEV VPV	BEVVPV				
	\$89.06	\$118.75	\$356.25				
	\$495.00						
\$332.14							
\$827.14	\$916.21	\$945.89	\$1,183.39				





Aluminum Extrusion Market New Launch (2025+) Production Volume



Upcoming launch activity driven by the transition to electrification and replacement of current models—Detroit 3 and Asian (Japanese 3, Others) OEMs represent ~80% of new launch production volume in 2029

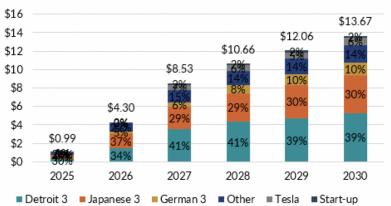
3. Identify 2025+ vehicle launches & production volume

- Identify upcoming vehicle launches (2025+) and associated production volume
- Forecast new launch production volume by powertrain type (ICE, HEV, PHEV, BEV) and OEM group (Detroit 3, Japanese 3, German 3, Other, Start-up)

N.A. Vehicle Production-Launches 2025+ by Powertrain



N.A. Vehicle Production Launches 2025+ by OEM Group







Aluminum Extrusion Addressable Market New Launch (2025+) Production Volume and Market Size

4. Addressable Aluminum **Extrusion Market**

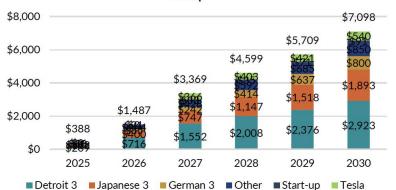
• Forecast addressable aluminum extrusion market (VPV x new launch production volume) by powertrain type and OEM group

Addressable N.A. Aluminum Extrusion Market by Powertrain



Powertrain	2025 (\$M)	2030 (\$M)	'25-'30 CAGR
ICE	\$127	\$2,267	78%
HEV	\$26	\$1,100	111%
PHEV	\$30	\$365	65%
BEV	\$205	\$3,366	75%
Total	\$388	\$7,098	79%

Addressable N.A. Aluminum Extrusion Market by OEM Group



OEM Group	2025 (\$M)	2030 (\$M)	'25-'30 CAGR
Detroit 3	\$209	\$2,923	69%
Japanese 3	\$112	\$1,893	76%
German 3	\$0	\$800	-
Other	\$50	\$850	76%
Start-up	\$16	\$91	41%
Tesla	\$0	\$540	-
Total	\$388	\$7,098	79%

Environment and Sustainability

- Contributing to the EV Market with recyclable aluminum since 2012
- EV Market now more than 50% of our business
- Pursuing ASI Certification
- Co-developing structural alloys using 75% post consumer aluminum
- Developing emission reduction goals
- Continuous effort to reduce scrap and waste this is our largest contribution to emission reduction – a win–win



Our People Make Us What We Are













Excellent Potential for Profitable Growth

UACJ Whitehall is in an excellent competitive position

A highly capable team

A leader in structural extrusion

Excellent quality and customer relationships

Recognized by OEM's - traditional and EV

UACJ Whitehall will be participating in an exploding market for automotive structural aluminum components.