

KAISER ALUMINUM

BUSINESS UPDATE

FEBRUARY 2023



FORWARD LOOKING STATEMENTS

The information contained in this presentation includes statements based on management's current expectations, estimates and projections that constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Such statements include statements regarding the company's anticipated financial and operating performance, relate to future events and expectations and involve known and unknown risks and uncertainties, including but not limited to (i) effectiveness of management's strategies and decisions, including strategic investments, countermeasures to address operational and supply chain challenges and the execution of those strategies, (ii) the successful integration of the acquired operations and technologies, and (iii) the impact of extraordinary external events, and their collateral consequences. The company cautions that such forward-looking statements are not guarantees of future performance or events and involve significant risks and uncertainties and actual events may vary materially from those expressed or implied in the forward-looking statements as a result of various factors. For a summary of specific risk factors that could cause results to differ materially from those expressed in the forward-looking statements, please refer to the company's reports filed with the Securities and Exchange Commission, including the company's most recent Forms 10-Q and 10-K. All information in this presentation is as of the date of the presentation. The company undertakes no duty to update any forward-looking statement to conform the statement to actual results or changes in the company's expectations except as may be required by law.



NON-RUN-RATE ITEMS

Non-run-rate items to us are items that, while they may recur from period to period, (1) are particularly material to results, (2) impact costs as a result of external market factors and (3) may not recur in future periods if the same level of underlying performance were to occur. These are part of our business and operating environment but are worthy of being highlighted for the benefit of the users of our financial statements.

Further, presentations including such terms as net income, operating income, or earnings before interest, tax, depreciation and amortization "before non-run-rate", "after adjustments" or "adjusted" ("EBITDA"), are not intended to be (and should not be relied on) in lieu of the comparable caption under generally accepted accounting principles ("GAAP") to which it is reconciled. Such presentations are solely intended to provide greater clarity of the impact of certain material items on the GAAP measure and are not intended to imply such items should be excluded.



NON-GAAP FINANCIAL MEASURES

This information contains certain non-GAAP financial measures. A "non-GAAP financial measure" is defined as a numerical measure of a company's financial performance that excludes or includes amounts so as to be different than the most directly comparable measure calculated and presented in accordance with GAAP in the statements of income, balance sheets or statements of cash flow of the company. Pursuant to the requirements of Regulation G, the Company has provided a reconciliation of non-GAAP financial measures to the most directly comparable financial measure in the accompanying tables.

The non-GAAP financial measures used within this presentation are conversion revenue, EBITDA, operating income excluding non-run-rate items, adjusted net income and earnings per diluted share, excluding non-run-rate items and ratios related thereto. These measures are presented because management uses this information to monitor and evaluate financial results and trends and believes this information to also be useful for investors. Reconciliations of certain forward looking non-GAAP financial measures to comparable GAAP measures are not provided because certain items required for such reconciliations are outside of our control and/or cannot be reasonably predicted or provided without unreasonable effort.



COMPANY OVERVIEW

- LEADING NORTH AMERICAN PRODUCER OF HIGHLY-ENGINEERED ALUMINUM MILL PRODUCTS
- DIVERSIFIED PORTFOLIO FOCUSED ON END-MARKETS WITH STRONG SECULAR GROWTH TRENDS
- INTEGRAL "PASS-THROUGH" BUSINESS MODEL TO MITIGATE IMPACT OF METAL PRICE
- LONG-STANDING RELATIONSHIPS WITH BLUE-CHIP CUSTOMERS
- DISCIPLINED MANAGEMENT OF LIQUIDITY AND DEBT LEVERAGE
- STRONG OPERATING LEVERAGE AND MANUFACTURING EFFICIENCY













¹ As of December 31, 2022

² EBITDA = Consolidated Operating Income, excluding operating non-run-rate items, plus Depreciation and Amortization, refer to slide 47

³ Liquidity = Cash and cash equivalents and borrowing availability under the Revolving Credit Facility net of Letters of Credit as of December 31, 2022

⁴ Net Debt / EBITDA = Total Debt less Cash on hand / EBITDA as of December 31, 2022, refer to slide 48

LEADING N.A. SPECIALTY ALUMINUM MILL PRODUCTS COMPANY

FOURTEEN NORTH AMERICAN MANUFACTURING LOCATIONS







CONSISTENT, COMPETITIVE STRATEGY



FOCUS

DEMANDING APPLICATIONS WITH BARRIERS TO ENTRY



DIFFERENTIATION

PRODUCT QUALITY, SERVICE
AND KAISERSELECT®
ATTRIBUTES

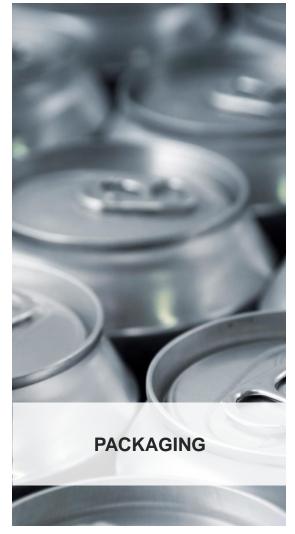


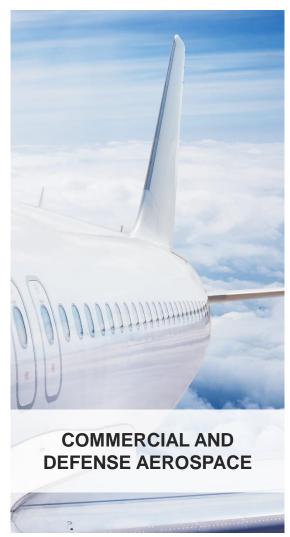
VALUE CREATION

OPERATING LEVERAGE AND MANUFACTURING EFFICIENCY



DIVERSIFIED END MARKETS







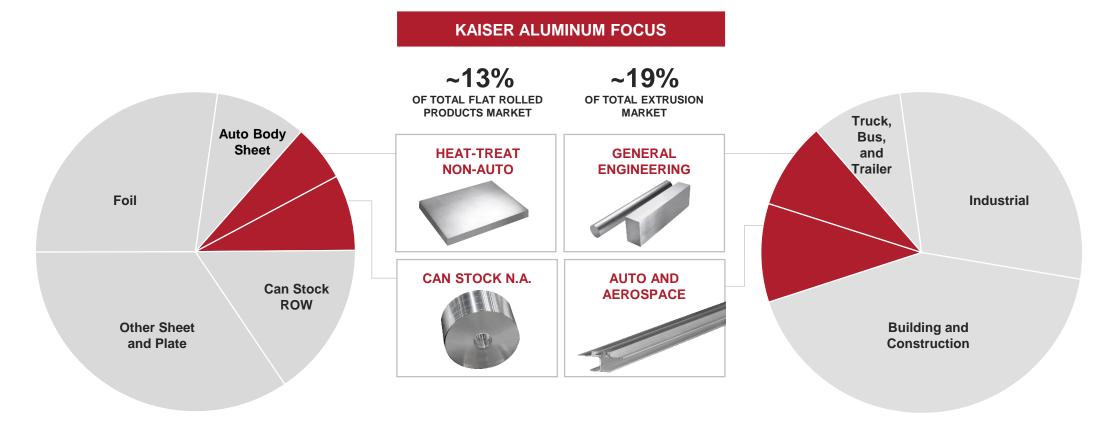




STRATEGIC END MARKET FOCUS WITH HIGH BARRIERS TO ENTRY

GLOBAL FLAT ROLLED PRODUCTS MARKET MARKET SIZE > 65B#

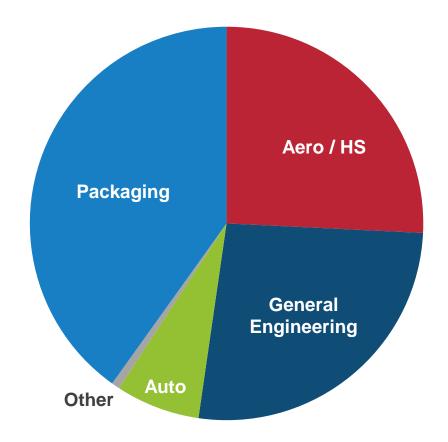
NORTH AMERICAN EXTRUSION MARKET MARKET SIZE >5.8B#





DIVERSIFIED PORTFOLIO

2022 CONVERSION REVENUE¹ BY END MARKET



END MARKET DEMAND DRIVERS

PACKAGING

Sustainability-driven conversion from plastic to aluminum beverage and food cans

AEROSPACE

Secular growth in global passenger air travel

AUTOMOTIVE EXTRUSIONS

Light weighting of vehicles to achieve increased fuel economy; growth in electric vehicles (EV)

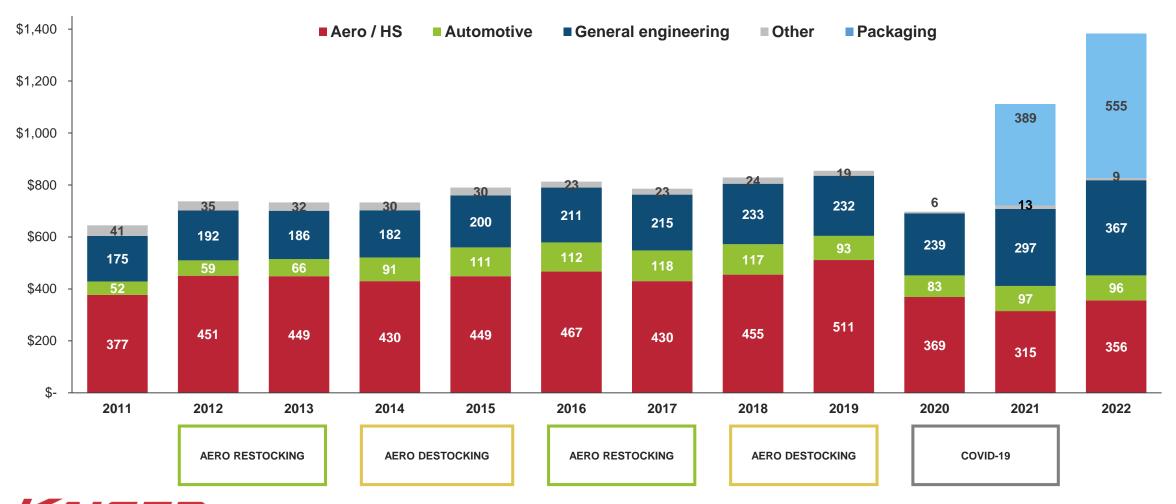
GENERAL ENGINEERING

North American industrial demand and continued trend to reshoring for domestic supply



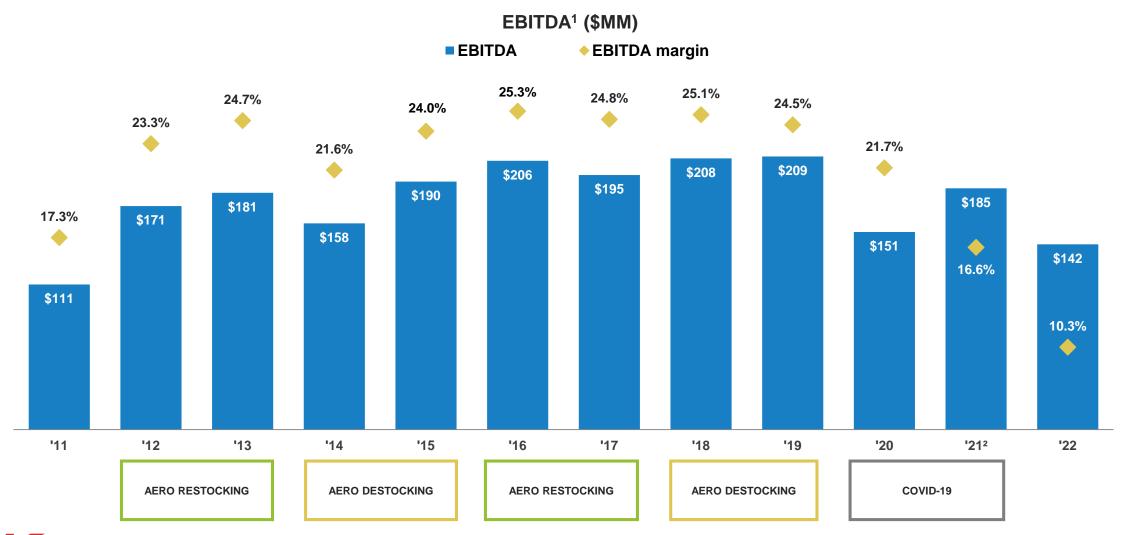
RESILIENCE OF GROWTH THROUGH VARIOUS CYCLES

ANNUAL CONVERSION REVENUE¹ (\$MM)



¹ Conversion Revenue = net sales less hedged cost of alloyed metal. Hedged cost of alloyed metal = Midwest transaction price plus the cost of alloying elements plus any realized gains and/or losses on settled hedges, related to metal sold in the referenced period; refer to slides 45 and 46

DEMONSTRATED ABILITY TO DELIVER RESULTS



¹ EBITDA = Consolidated Operating Income, excluding operating non-run-rate items, plus Depreciation and Amortization; EBITDA Margin = EBITDA as a percentage of Conversion Revenue Refer to slide 47 for reconciliation to GAAP

² Kaiser Warrick was acquired on March 31, 2021



MARKETS WE SERVE



SUSTAINABILITY DRIVEN PRODUCTS AND SOLUTIONS



It requires less than 10% of the energy to recycle aluminum, compared with of the energy needed to create the same amount of aluminum from raw materials



Reducing our customers'
Scope 1 and 2 emissions
with increased efficiency
by using our
KaiserSelect® products
which enable increased
productivity and reduced
scrap



Reducing our customers' Scope 3 emissions through reduction of the carbon footprint of our products by reducing our Scope 1, 2 and 3 estimated emissions



Reducing final customer product lifetime emissions through lightweighting and sustainable recycling



Light-weighting in applications such as aircraft and transportation improving fuel efficiency



Increasing the use of recyclable aluminum beverage and food packaging



OUR ALUMINUM MILL PRODUCTS ARE PART OF THE CARBON SOLUTION



END MARKET OUTLOOK

END MARKET









DEMAND DRIVERS

Sustainability-driven conversion from plastic to aluminum beverage and food cans

Secular growth in global passenger air travel

Light weighting of vehicles to achieve increased fuel economy; growth in electric vehicles (EV)

North American industrial demand and continued trend to re-shoring for domestic supply

MARKET GROWTH OUTLOOK

5-7% N.A. growth next 5+ years cagr¹

3-4% Long-term post recovery rate

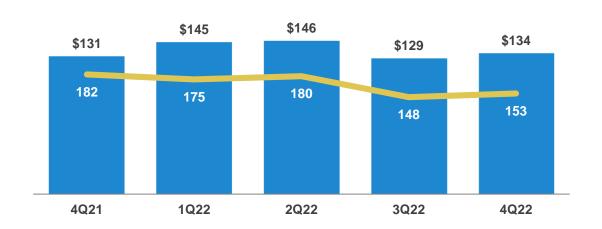
N.A. demand growth next 10 years

2% Long term demand growth

PACKAGING

QUARTERLY CONVERSION REVENUE¹ (\$MM)

Shipments in millions lbs.



GROWTH DRIVERS

- Strong secular shift to aluminum in the North American beverage and food packaging industry driving robust end market demand
- Multi-year contracts support solid long-term growth and favorable mix and margin improvement
- Investment in new roll coat line proceeding as planned, expected to be operational in mid-to-late 2024 converting an additional 25% of production to higher margin coated products
- Anticipate 5%-7% CAGR² for N.A. demand growth next 5+ years

STRONG MARKET POSITION AND SOLID LONG-TERM CONTRACTS SUPPORT GROWTH

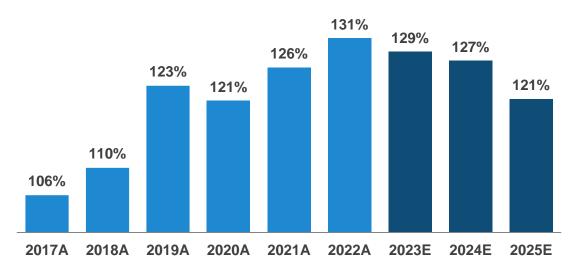


¹ Conversion Revenue = Net sales less hedged cost of alloyed metal; refer to slides 45 and 46

² Kaiser estimate. CAGR reflects industry outlook for served market with a base year of 2021

PACKAGING

NORTH AMERICAN CAN STOCK CONSUMPTION AS % OF N.A. CAN SHEET PRODUCTION



- Aluminum can stock demand is driven by the packaging industry's shift towards environmentally sustainable materials. Aluminum is infinitely recyclable and has the highest consumer recycling rate among beverage containers
 - Major players have already transitioned some plastic bottled water and carbonated soft drink production to aluminum
 - Can manufacturers planned capacity investments and commitment to sustainability targets support continued growth in demand
 - Further growth underpinned by growing consumer preference for craft beer, energy drinks and ready-to-drink-cocktails
- North American packaging capacity has been reallocated towards other end markets, including automotive and industrial

PACKAGING PRODUCT OFFERINGS



COATED FOOD STOCK



COATED END & TAB STOCK



BODY STOCK

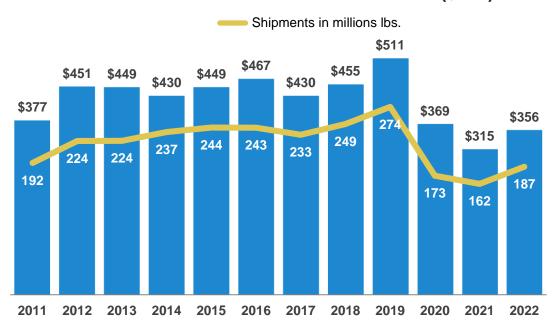


BOTTLE STOCK



AEROSPACE / HIGH STRENGTH

ANNUAL CONVERSION REVENUE¹ (\$MM)



GROWTH DRIVERS

- Large commercial aerospace demand continues to improve from the COVID-19 impact; anticipate full recovery in 2023/2024
- Long-term fundamentals for commercial aerospace remain intact
- Continued strength in demand for defense applications including the F-35 Joint Strike Fighter and other legacy programs
- Kaiser remains well-positioned as a preferred strategic supplier with solid multi-year agreements
- Planned capacity expansion to support further growth as commercial aerospace recovery continues
- Anticipate 3-4% CAGR² for demand growth following aero recovery

COMMERCIAL AEROSPACE RECOVERY UNDERWAY; BUSINESS JET/DEFENSE SOLID

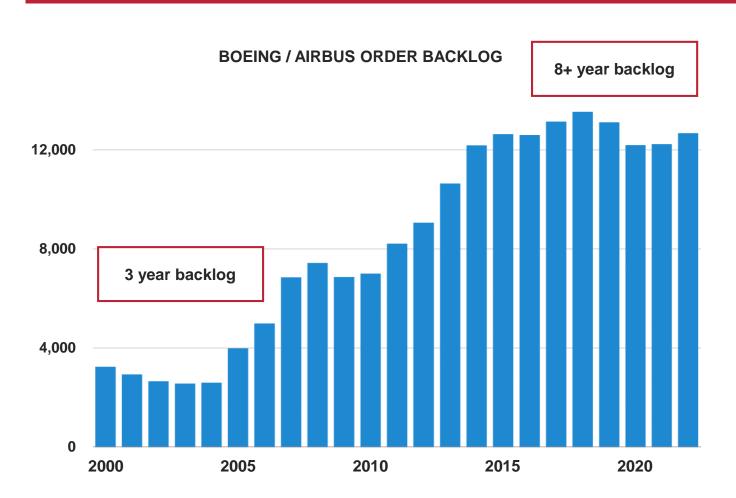


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² Kaiser estimate. CAGR reflects industry outlook for served market

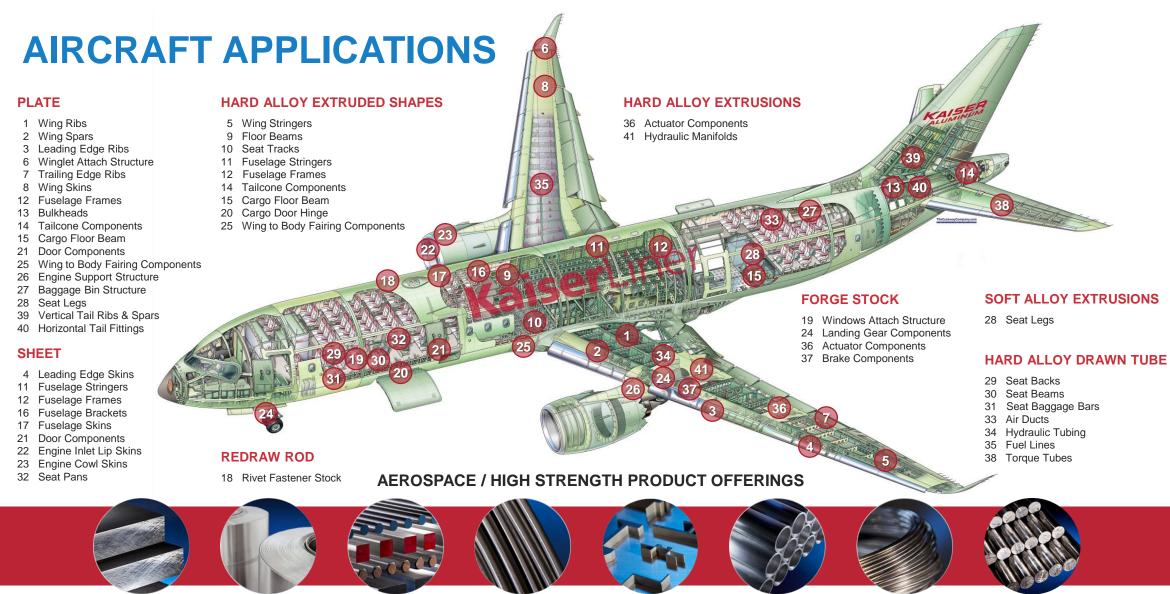
COMMERCIAL AIRFRAME ORDER BACKLOG

BACKLOG REMAINS HISTORICALLY STRONG AND ENABLES STABLE PRODUCTION











AEROSPACE SHEET & COIL

HA COLD FINISHED ROD & BAR

HOT ROLLED REDRAW ROD

SMALL AND INTERMEDIATE HA EXTRUDED SHAPES

HA DRAWN SEAMLESS TUBE

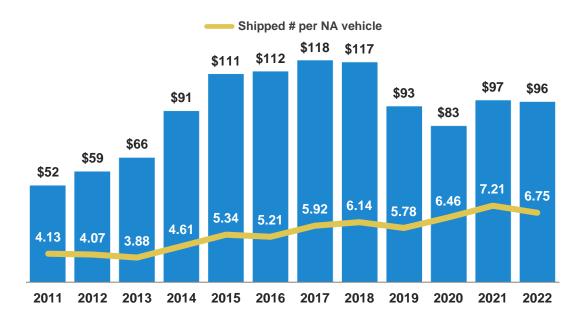


HA EXTRUDED FORGE STOCK



AUTOMOTIVE EXTRUSIONS

ANNUAL CONVERSION REVENUE¹ (\$MM)



GROWTH DRIVERS

- CAFE standards and increased fuel efficiency continues to drive vehicle light-weighting initiatives
- N.A. industry build rates² expected to return to ~16-17M units annually as the impact of industry supply chain issues abates
- Model design and consumer preference for larger vehicles continues to drive aluminum content growth
- OEM's announced plans to expand Electric Vehicles expected to drive further aluminum content growth
- Anticipate 5% CAGR³ for N.A. demand growth next 10 years

STRONG UNDERLYING DEMAND TEMPERED BY SUPPLY CHAIN SHORTAGES



¹ Conversion Revenue = net sales less hedged cost of alloyed metal. Hedged cost of alloyed metal = Midwest transaction price plus the cost of alloying elements plus any realized gains and/or losses on settled hedges, related to metal sold in the referenced period; refer to slides 45 and 46

² IHS December 2022; Kaiser estimates

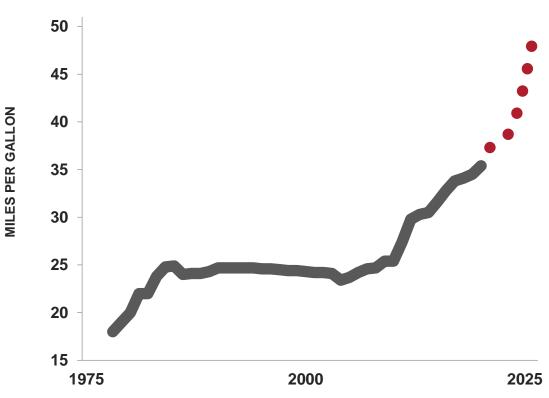
³ Kaiser estimate. CAGR reflects industry outlook for served market

AUTOMOTIVE ALUMINUM CONTENT IS GROWING

CAFE REGULATIONS AND LIGHT WEIGHTING WITH ALUMINUM

CAFE IS A SIGNIFICANT DRIVER FOR IMPROVED AUTOMOTIVE FUEL ECONOMY

CORPORATE AVERAGE FUEL ECONOMY (CAFE) MPG REGULATIONS

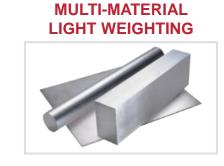


INITIATIVES TO IMPROVE FUEL ECONOMY

AERODYNAMICS

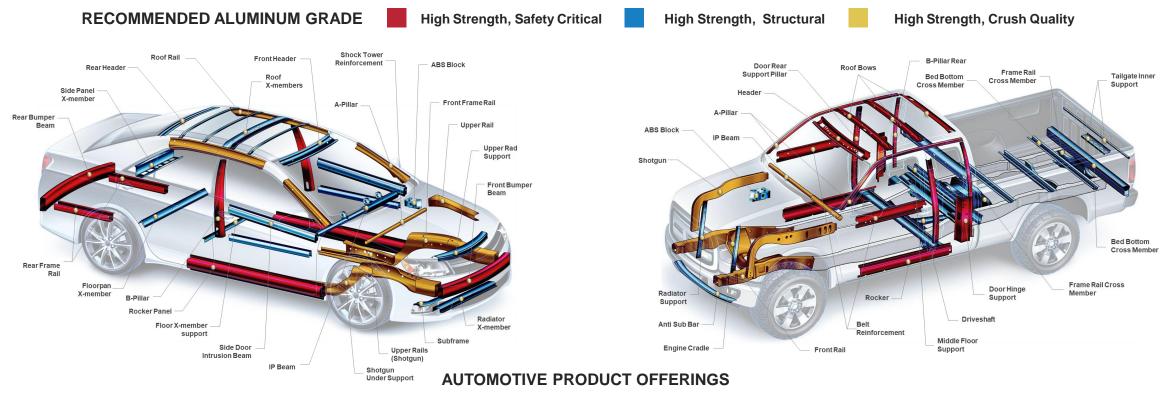








AUTOMOTIVE EXTRUSION APPLICATIONS

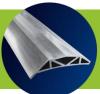












ABS BLOCK

DRIVESHAFT TUBES

BUMPER EXTRUSION

APRON TUBE

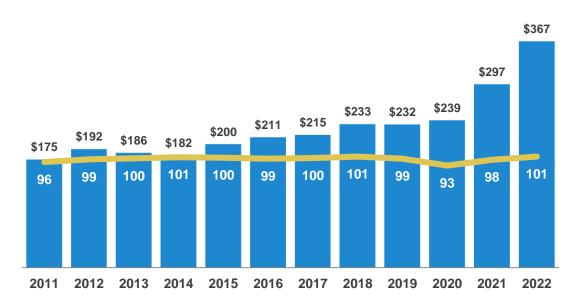
CRASH MANAGEMENT



GENERAL ENGINEERING

ANNUAL CONVERSION REVENUE¹ (\$MM)

U.S. Index of Industrial Production Mfg²



GROWTH DRIVERS

- Solid service center and end market demand driven by semi-conductor, industrial and machine tooling
- Re-shoring continues to drive increasing demand for domestic supply to minimize risk of supply chain disruption
- Continue to be well-positioned with long standing customer relationships and KaiserSelect® product quality
- Anticipate 2% CAGR³ demand growth over the longer term

SOLID UNDERLYING DEMAND



¹ Conversion Revenue = net sales less hedged cost of alloyed metal. Hedged cost of alloyed metal = Midwest transaction price plus the cost of alloying elements plus any realized gains and/or losses on settled hedges, related to metal sold in the referenced period; refer to slides 45 and 46

² Source: Federal Reserve statistics for U.S. Manufacturing

³ Kaiser estimate. CAGR reflects industry outlook for served market

GENERAL ENGINEERING APPLICATIONS AND PERFORMANCE ATTRIBUTES

APPLICATIONS

- Tooling Plate
- Semi-conductor Vacuum Chambers
- Armored Vehicles
- Parts from KaiserSelect® Precision Rod
- Air Cylinder Tubes
- Machine Tool Parts

PERFORMANCE ATTRIBUTES

- Machinability
- Mechanical Properties
- Ballistics Properties
- Structural Strength



Parts Horn Naiser Selected Precision Re

GENERAL ENGINEERING PRODUCT OFFERINGS



PLATE AND SHEET



ROD AND BAR



SEAMLESS AND STRUCTURAL EXTRUDED TUBE



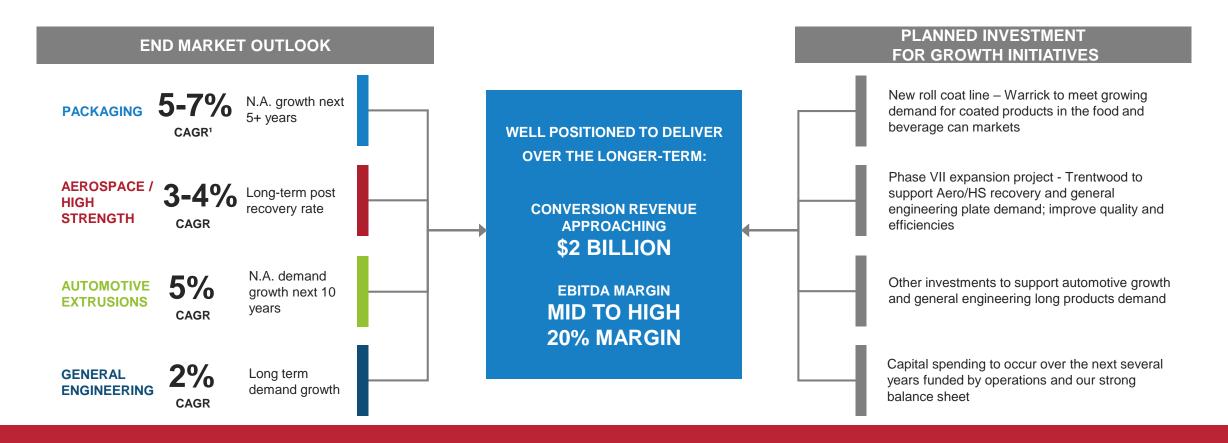
COLD FINISHED ROD AND BAR



STANDARD SHAPES



END MARKET OUTLOOK AND GROWTH POTENTIAL



INVESTING TO SUPPORT STRONG AND RECOVERING END MARKET GROWTH





FINANCIAL STRATEGY



BUSINESS CYCLE STRATEGY

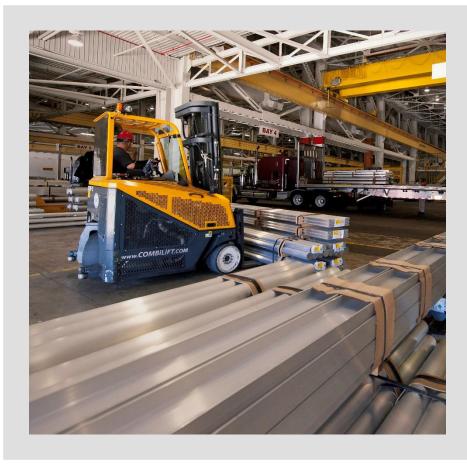


BE WELL-PREPARED FOR ECONOMIC ADVERSITY

- Sustain a strong preferred supplier position
- Flex highly variable costs with changes in business activity
- Retain strong liquidity as a safety net and to facilitate proactive investments during a downturn
- Maintain conservative debt leverage; targeted 2x –
 2.5x net debt to EBITDA¹



METAL PRICE NEUTRALITY



IMMEDIATE PASS-THROUGH

Pricing for more than 95% of shipments passes through the cost of metal, alloying and commodity surcharges if applicable as governed by contractual language or industry practice

TIMING LAG

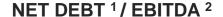
By industry practice, pricing for certain high-value-added non-contract shipments does not directly pass through metal cost

Lag time depends upon market conditions:

- When metal price is rising and...
 - Demand is strong, lag time is short
 - Demand is weak, lag time is long
- When metal price is declining and...
 - Demand is strong, lag time is long
 - Demand is weak, lag time is short



STRONG LIQUIDITY AND FLEXIBILITY



LIQUIDITY SUMMARY

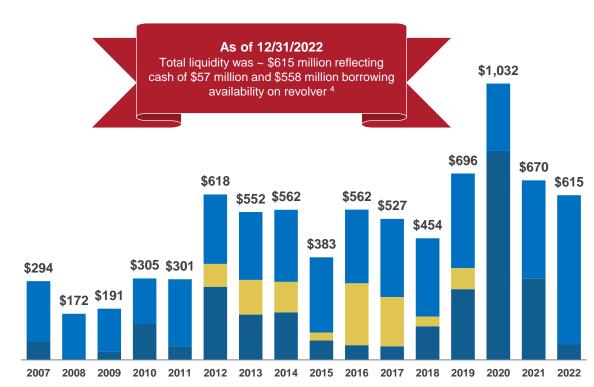
(\$millions)

■ ST Investments

■ Borrowing Availability

■ Cash and Equivalents





¹ Represents Long term debt for High yield notes, convertible notes and outstanding borrowings for revolver less cash and cash equivalents. Refer to slide 48

^{4 \$575}M ABL Revolving Credit Facility



² EBITDA = Consolidated Operating Income, excluding operating non-run-rate items, plus Depreciation and Amortization.. Refer to slide 47 for reconciliation to GAAP.

³ NM = Not meaningful; no debt was outstanding in 2007 and 2009



CAPITAL ALLOCATION



BALANCED CAPITAL ALLOCATION PRIORITIES

ORGANIC INVESTMENT

~2x depreciation since 2007, sustaining ~60% of depreciation

INORGANIC GROWTH

Opportunistic investment for strategic value creation

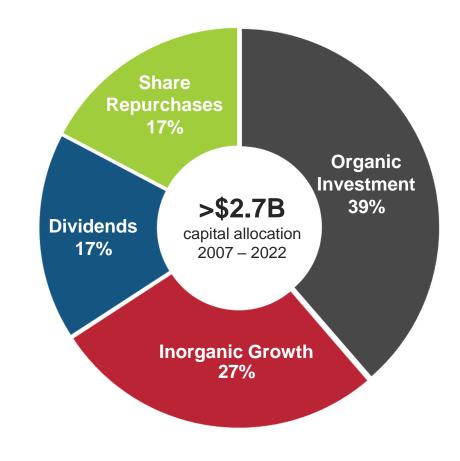
REGULAR DIVIDENDS

Maintain and increase regular dividends

SHARE REPURCHASES

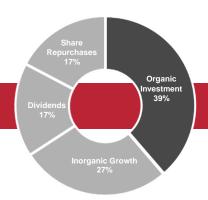
Deploy excess cash¹ beyond recession contingency needs

DISCIPLINED CAPITAL ALLOCATION



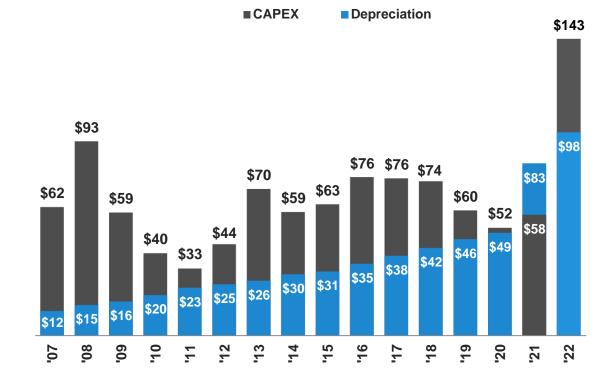


ORGANIC INVESTMENT STRATEGY



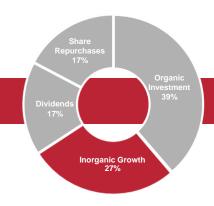
ORGANIC INVESTMENTS SINCE 2007 ~\$1.1 BILLION, ~ 2X DEPRECIATION LONG-TERM SUSTAINING CAPITAL ~60% OF DEPRECIATION (VARIES BY YEAR)







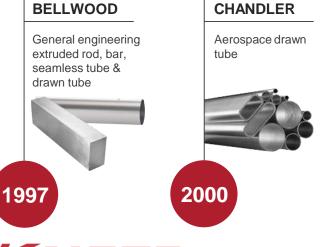
INORGANIC INVESTMENT STRATEGY



ACQUISITIONS MUST HAVE A CLEAR STRATEGIC RATIONALE AND PASS A STRATEGIC FILTER

- Businesses that expand or diversify our product offering
- Businesses that we understand
- Culturally compatible and shared winning strategy

HISTORICAL BOLT-ON ACQUISITIONS





IMT

Aerospace, defense,

additive & subtractive

auto, high-tech

manufacturing

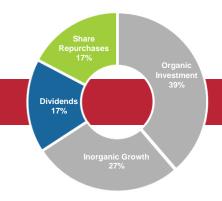
ALCOA WARRICK

Can stock for food & beverage packaging

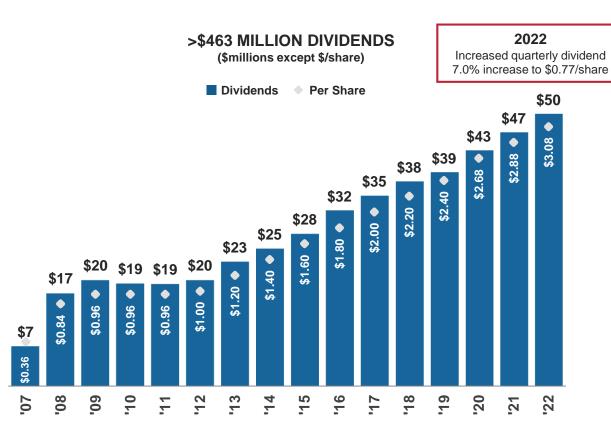


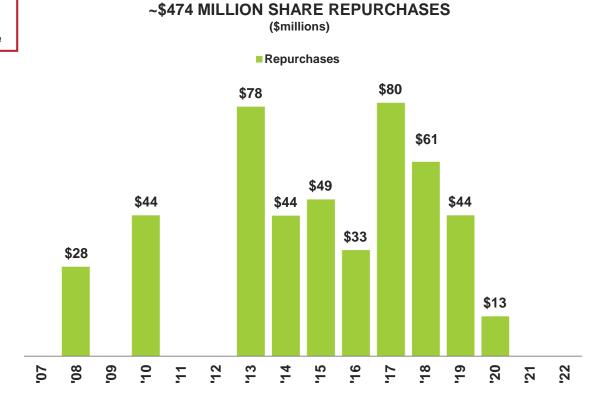
2021

VALUE RETURNED TO SHAREHOLDERS



>\$935 MILLION RETURNED TO SHAREHOLDERS SINCE 2007¹









SUSTAINABILITY



SUSTAINABLE VALUE CREATION







AT KAISER ALUMINUM, WE MANAGE OUR BUSINESS FOR LONG-TERM SUCCESS IN A MANNER THAT IS ECONOMICALLY, ENVIRONMENTALLY AND SOCIALLY RESPONSIBLE

- We are committed to treating our employees with dignity and respect, and we strive to be the employer of choice by promoting health and safety and developing and empowering our employees.
- Our continuous improvement efforts to achieve increasing manufacturing efficiency and reduce environmental impact include focused lean initiatives, capital investments, and increased use of scrap/recycled aluminum.
- Inherently sustainable and infinitely recyclable, our products are part of the carbon solution and efforts to limit global warming to below a 2° C threshold by 2050.

- We promote fair business practices and a culture of accountability, responsibility and ethical behavior.
- We strive to be the supplier of choice by pursuing "Best-in-Class" customer satisfaction driven by quality, broad product offering, superior customer service and on-time delivery.
- Manage for, not, through economic downturns to consistently perform through the cycles.
- Remain focused on adhering to our corporate values and creating a positive economic impact for all our stakeholders



SUSTAINABILITY AND ESG AT KAISER ALUMINUM



ENVIRONMENTAL

- Sustainability is an integral part of our corporate values
- We manage our business for long-term success in a manner that is economically, environmentally and socially responsible
- Our products are part of the carbon solution, facilitating light weighting and increased fuel efficiency along with the shift from plastic to aluminum in the beverage and food industries
- Aluminum is infinitely recyclable and we have continued to increase our use of recycled scrap as production of aluminum from recycled metal saves more than 90% of the energy generally required by primary production
- Our investments increase our manufacturing efficiency and reduce the environmental impact of Kaiser and our customers



SOCIAL

- Continue to expand recruiting strategy to include more diverse candidates
- Continue to attract, develop, promote and retain people from all cultures and segments of the population based on ability
- Developed and continue to monitor internal benchmarks and metrics to identify opportunities to increase diversity and monitor progress
- Focus on talent development across the organization to attract, motivate and retain productive and engaged employees and to ensure consistency of culture and strategic direction
- Incorporating diversity, equity, inclusion and belonging training and awareness into training and development programs and platforms



GOVERNANCE

- Diverse and highly independent Board
- Ongoing commitment to refreshment 50% of our Directors have a tenure of less than five years
- Robust and multi-tiered Board and Committee annual assessment process
- Continuing focus on identifying critical skills needed to support Company strategy and succession planning
- Strong support for continued proactive shareholder engagement (> 50% annually)
- Rigorous director nomination process including directors nominated by United Steelworkers (USW) under our Director Designation Agreement (right to nominate 40% of the members of our board)



CREATING SUSTAINABLE VALUE THROUGH ESG

We have made significant progress on our E, S, and G programs and are committed to further advancing our initiatives in 2023 and beyond



✓	Published <u>2021 Sustainability Report</u> with first Greenhouse Gas emissions data and three 2030 reduction targets
✓	Reduced 2021 Scope 1 and 2 emissions intensity by 29% since 2010 (excludes Warrick)
✓	Decreased 2021 freshwater withdrawals by 24% since 2017 ¹
✓	Focused on sourcing renewable energy, with 22% of purchased electricity coming from renewable sources in 2021
✓	Committed to increasing use of recycled aluminum
/	Continuing to improve manufacturing efficiency to reduce our environmental impact and the environmental impact of our customers
✓	Formalized Environmental Policy



RECYCLED SCRAP



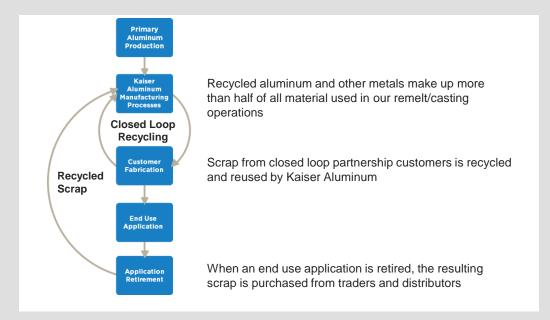


USE OF RECYCLED SCRAP

For many years, we have been using recycled aluminum, including painted scrap, in our manufacturing process and working to identify new sources of scrap and processes to reuse it. Recycling aluminum saves more than 90% of the energy that would be needed to create a comparable amount of the metal from raw materials. Our scrap includes scrap purchased from traders and distributors, as well scrap from customers and internal operations. A majority of the aluminum and other alloying metals we use is scrap.

CLOSED LOOP RECYCLING

We utilize closed-looped manufacturing processes where any scrap generated in the production process is recycled.



CREATING SUSTAINABLE VALUE THROUGH ESG

We have made significant progress on our E, S, and G programs and are committed to further advancing our initiatives in 2023 and beyond

SOCIAL

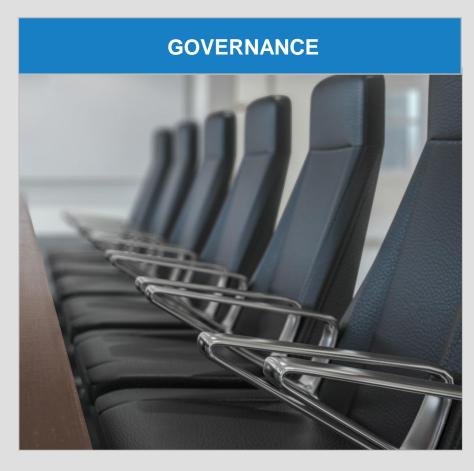


✓	Continually striving for record safety performance
✓	Achieved LTIR of 0.22 (improved from 0.32 in 2020) and TCIR of 2.27 (up from 1.95 in 2020) in 2021
✓	Dedicated to fostering a supportive, inclusive workplace, including through talent development programs, such as Kaiser's Leadership Program, the Women's Leadership Program and by implementing awareness training
✓	Focused on expanding recruitment strategy to include for diverse candidates
✓	Developed internal benchmarks and metrics for identifying opportunities to increase diversity and monitor progress
✓	Formalized Diversity, Equity, Inclusion & Belonging (DEIB) Policy
✓	Enhanced <u>Human Rights Policy</u>



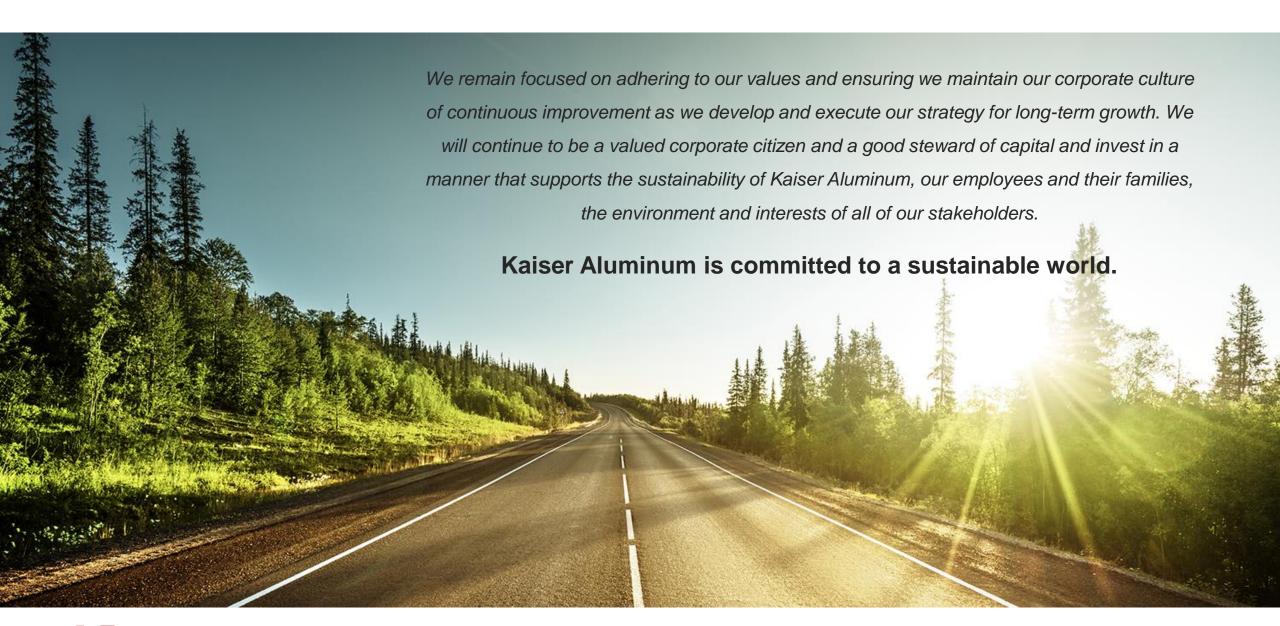
CREATING SUSTAINABLE VALUE THROUGH ESG

We have made significant progress on our E, S, and G programs and are committed to further advancing our initiatives in 2023 and beyond



√	Expanded Board's oversight of ESG to include ESG initiatives and activities
√	Dedicated to corporate governance best practices, including: • 80% Independent Board • Separate CEO and Chairman • Diverse Board • Strong commitment to refreshment
√	Continued development of internal benchmarking and goals to help ensure that ESG principles continue to be integrated into our strategies and initiatives
√	Conduct annual employee surveys, which gauge effectiveness of our corporate governance measures as well as employees' perception of our culture and values
√	Enhanced Code of Business Conduct









APPENDIX



SALES ANALYSIS BY APPLICATION - ANNUAL

	2007	2008	2009	<u>2010</u>	<u>2011</u>	<u>2012</u>	2013	<u>2014</u>	2015	<u>2016</u>	2017	<u>2018</u>	<u>2019</u>	2020	2021	<u>2022</u>
Shipments (lbs, mm)																
Aero & High Strength	155.0	158.0	144.8	158.9	192.0	223.9	224.3	236.9	243.5	243.2	233.0	248.8	273.6	173.3	161.6	186.5
Packaging	-	-	-	-	-	-	-	-	-	-	-	-	-	-	541.7	655.3
General Engineering	246.0	258.4	189.0	217.4	220.2	232.7	222.5	223.4	231.4	249.9	264.7	266.9	236.3	235.6	298.2	303.9
Automotive Extrusions	54.0	50.0	36.2	54.2	62.8	62.8	64.1	78.5	93.5	92.9	101.0	104.4	94.3	84.1	94.0	96.5
Other Applications ¹	93.0	92.5	58.5	83.7	85.9	66.5	52.8	50.0	47.0	28.3	27.0	32.3	20.8	9.4	26.1	12.0
Total	548.0	558.9	428.5	514.2	560.9	585.9	563.7	588.8	615.4	614.3	625.7	652.4	625.0	502.4	1,121.6	1,254.2
Conversion Revenue ² (\$mm)																
Aero & High Strength	\$297.0	\$324.0	\$278.0	\$295.4	\$376.5	\$450.5	\$449.2	\$430.2	\$449.1	\$466.9	\$430.3	\$455.0	\$511.2	\$369.3	\$314.7	\$356.3
Packaging	-	-	-	-	-	-	-	-	-	-	-	-	-	-	389.3	554.7
General Engineering	225.0	249.0	164.7	174.0	175.2	192.0	186.1	181.9	200.0	211.2	215.0	232.5	232.0	238.6	297.1	366.6
Automotive Extrusions	51.0	42.0	31.3	45.6	51.6	59.0	66.3	90.9	110.5	111.8	117.7	116.7	93.3	83.0	96.6	95.8
Other Applications ¹	66.0	58.0	39.4	40.9	40.9	34.7	32.0	29.5	30.3	23.1	23.3	23.7	19.0	6.2	13.5	9.3
Total	\$639.0	\$673.0	\$513.4	\$555.9	\$644.2	\$736.2	\$733.6	\$732.5	\$789.9	\$813.0	\$786.3	\$827.9	\$855.5	\$697.1	\$1,111.2	\$1,382.7
Conversion Revenue ³ (\$/lb.)																
Aero & High Strength	\$1.92	\$2.05	\$1.92	\$1.86	\$1.96	\$2.01	\$2.00	\$1.82	\$1.84	\$1.92	\$1.85	\$1.83	\$1.87	\$2.13	\$1.95	\$1.91
Packaging	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.72	0.85
General Engineering	0.91	0.96	0.87	0.80	0.80	0.83	0.84	0.81	0.86	0.85	0.81	0.87	0.98	1.01	1.00	1.21
Automotive Extrusions	0.94	0.84	0.86	0.84	0.82	0.94	1.03	1.16	1.18	1.20	1.17	1.12	0.99	0.99	1.03	0.99
Other Applications ¹	0.71	0.63	0.67	0.49	0.48	0.52	0.61	0.59	0.64	0.82	0.86	0.73	0.91	0.66	0.52	0.78
Overall	\$1.17	\$1.20	\$1.20	\$1.08	\$1.15	\$1.26	\$1.30	\$1.24	\$1.28	\$1.32	\$1.26	\$1.27	\$1.37	\$1.39	\$0.99	\$1.10



Totals may not sum due to rounding

RECONCILIATION OF NET SALES TO CONVERSION REVENUE - ANNUAL

	2	007	2008	3	2009	2010	١	2011	2012		2013		2014		2015		2016		2017		2018		2019		2020		2021	2022
Net Sales (\$mm)																												•
Aero & High Strength	\$ 60	3.5	\$ 643.6	\$	485.8	\$ 467.3	\$	596.3	\$ 695.1	\$	677.0	\$ (686.3	\$	695.5	\$	675.4	\$	653.7	\$	739.4	\$	803.2	\$	537.9	\$ 5	533.7	\$ 676.1
Packaging		-	-		-	-		-	-		-		-		-		-		-		-		-		-	1,1	119.3	1,585.3
General Engineering	45	7.1	494.6		287.8	409.3		447.0	441.4		411.0	4	419.5		426.1		420.1		476.2		546.0		480.1		458.8	7	706.1	883.8
Automotive Extrusions	10	3.6	83.4		54.7	103.0		126.9	125.5		129.5		173.5		199.2		188.8		217.3		239.3		190.5		161.4	2	225.0	254.8
Other Applications ¹	13	4.1	115.2		68.8	99.2		131.1	98.1		0.08		76.8		71.1		46.3		50.3		61.2		40.3		14.6		37.9	27.9
Total	\$1,29	8.3	\$1,336.8	\$	897.1	\$1,078.8	\$1	1,301.3	\$ 1,360.1	\$1	,297.5	\$1,	356.1	\$1	,391.9	\$1	1,330.6	\$1	,397.5	\$1	,585.9	\$1	,514.1	\$1	,172.7	\$2,6	622.0	\$3,427.9
Hedged Cost of Alloyed Meta	<u>l</u> (\$mm)	2																										
Aero & High Strength	\$ 30	6.5	\$ 319.6	\$	207.8	\$ 171.9	\$	219.8	\$ 244.6	\$	227.8	\$ 2	256.1	\$	246.4	\$	208.5	\$	223.4	\$	284.4	\$	292.0	\$	168.6	\$ 2	219.0	\$ 319.8
Packaging		-	-		-	-		-	-		-		-		-		-		-		-		-		-	7	730.0	1,030.6
General Engineering	23	2.1	245.6		123.1	235.3		271.8	249.4		224.9	2	237.6		226.1		208.9		261.2		313.5		248.1		220.2	4	409.0	517.2
Automotive Extrusions	5	2.6	41.4		23.4	57.4		75.3	66.5		63.2		82.6		88.7		77.0		99.6		122.6		97.2		78.4	1	128.4	159.0
Other Applications ¹	6	8.1	57.2		29.4	58.3		90.2	63.4		48.0		47.3		40.8		23.2		27.0		37.5		21.3		8.4		24.4	18.6
Total	\$ 65	9.3	\$ 663.8	\$	383.7	\$ 522.9	\$	657.1	\$ 623.9	\$	563.9	\$ (623.6	\$	602.0	\$	517.6	\$	611.2	\$	758.0	\$	658.6	\$	475.6	\$1,5	510.8	\$2,045.2
Conversion Revenue (\$mm) ³																												
Aero & High Strength	\$ 29	7.0	\$ 324.0	\$	278.0	\$ 295.4	\$	376.5	\$ 450.5	\$	449.2	\$ 4	430.2	\$	449.1	\$	466.9	\$	430.3	\$	455.0	\$	511.2	\$	369.3	\$ 3	314.7	\$ 356.3
Packaging		-	-		-	-		-	-		-		-		-		-		-		-		-		-	3	389.3	554.7
General Engineering	22	5.0	249.0		164.7	174.0		175.2	192.0		186.1		181.9		200.0		211.2		215.0		232.5		232.0		238.6	2	297.1	366.6
Automotive Extrusions	5	1.0	42.0		31.3	45.6		51.6	59.0		66.3		90.9		110.5		111.8		117.7		116.7		93.3		83.0		96.6	95.8
Other Applications ¹	6	6.0	58.0		39.4	40.9		40.9	34.7		32.0		29.5		30.3		23.1		23.3		23.7		19.0		6.2		13.5	9.3
Overall	\$ 63	9.0	\$ 673.0	\$	513.4	\$ 555.9	\$	644.2	\$ 736.2	\$	733.6	\$	732.5	\$	789.9	\$	813.0	\$	786.3	\$	827.9	\$	855.5	\$	697.1	\$1,1	111.2	\$1,382.7



¹ Includes custom industrial products and billet

² Hedged cost of alloyed metal is our Midwest transaction price of aluminum plus the price of alloying elements plus any realized gains and/or losses on settled hedges, related to the metal sold in the referenced period.

³ Conversion Revenue = Net Sales less hedged cost of alloyed metal; Effective in 2022 Conversion Revenue includes adjustment for full alloyed metal pass-through Totals may not sum due to rounding

RECONCILIATION OF REPORTED NET INCOME TO EBITDA - ANNUAL

(in \$ millions)	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Consolidated - Reported Net (Loss) Income	\$101.0	(\$68.5)	\$70.5	\$12.0	\$25.1	\$85.8	\$104.8	\$71.8	(\$236.6)	\$91.7	\$45.4	\$91.7	\$62.0	\$28.8	(\$18.5)	(\$29.6)
Interest Expense	4.3	1.0	-	11.8	18.0	29.1	35.7	37.5	24.1	20.3	22.2	22.7	24.6	40.9	49.5	48.3
Other Income (Expense) ¹	(4.7)	(0.7)	0.1	4.2	(4.3)	(2.8)	(5.6)	(6.7)	1.8	13.6	-	0.9	20.7	1.4	38.9	(6.4)
Income Tax Provision (Benefit)	81.4	(22.8)	48.1	13.1	16.2	53.8	38.4	35.3	(135.2)	55.5	87.6	28.3	18.4	10.0	(5.5)	(8.3)
Consolidated - Reported Operating Income (Loss) ^{1,2}	\$182.0	(\$91.0)	\$118.7	\$41.1	\$55.0	\$165.9	\$173.3	\$137.9	(\$345.9)	\$181.1	\$155.2	\$143.6	\$125.7	\$81.1	\$64.4	\$4.0
Operating NRR ³ items:																
Mark-to-Market Loss (Gain) ⁴	(9.7)	87.1	(80.5)	0.7	29.9	(15.2)	(0.7)	10.4	3.4	(18.7)	(19.4)	17.7	5.8	(2.6)	1.4	1.4
Lower of Cost or Market Write-down	-	65.5	9.3	-	-	-	-	-	2.6	4.9	-	-	-	-	-	-
Workers' Compensation Discount Rate Effect	-	-	-	-	3.8	0.2	(1.3)	-	0.2	(0.3)	-	(0.5)	0.8	1.8	-	-
Goodwill Impairment	-	-	-	-	-	-	-	-	-	-	18.4	-	25.2	-	-	20.5
Impairment Losses	-		-	-	-	4.4	-	1.5	0.1	2.8	0.8	1.4	0.9	0.5	-	3.2
Legacy Environmental	0.9	5.5	2.4	13.9	3.9	1.3	4.5	0.8	1.3	0.1	0.3	1.7	1.7	5.3	0.2	3.2
Restructuring Charges (Benefits)	-	8.8	5.4	3.6	(0.3)	-	-	-	-	-	-	-	-	7.5	(0.8)	2.2
VEBA Net Periodic Benefit Cost (Income) ^{1,2}	(2.6)	(0.6)	5.3	5.1	(6.0)	(11.9)	(22.5)	(23.7)	2.4	-	-	0.1	0.1	0.1	0.1	0.1
Loss on Removal of Union VEBA Net Assets 1,2	-	-	-	-	-	-	-	-	493.4	-	-	-	-	-	-	-
Anglesey Impairment	-	37.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acquisition Costs (Credits) ⁵	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	28.0	0.4
Other Operating Charges (Benefits)	(13.6)	(1.4)	(0.9)	0.1	(0.3)	-	-	-	-	-	-	-	-	-	-	-
Total Operating NRR Items	(25.0)	202.7	(59.0)	23.4	31.0	(21.2)	(20.0)	(11.0)	503.4	(11.2)	0.1	20.4	34.5	18.1	28.9	31.0
Consolidated Operating Income before operating NRR	157.0	111.7	59.7	64.5	86.0	144.7	153.3	126.9	157.5	169.9	155.3	164.0	160.2	99.2	93.3	35.0
Depreciation & Amortization - Consolidated	11.9	14.7	16.4	19.8	25.2	26.5	28.1	31.1	32.4	36.0	39.7	43.9	49.1	52.2	91.5	106.9
Consolidated - Adjusted EBITDA	\$168.9	\$126.4	\$76.1	\$84.3	\$111.2	\$171.2	\$181.4	\$158.0	\$189.9	\$205.9	\$195.0	\$207.9	\$209.3	\$151.3	\$184.8	\$141.9

¹ 2016 and 2017 restated to reflect the retrospective adoption of ASU 2017-07

Totals may not sum due to rounding. Note: All periods presented have been revised to remove the NRR item "Consolidated LIFO to Plant LIFO Adjustment"



² Includes effect of terminating the defined benefit accounting for the Union VEBA, and related accrual adjustments

³ NRR is an abbreviation for Non-Run-Rate: NRR items are pre-tax

⁴ Mark-to-market loss (gain) on derivative instruments primarily includes: (i) the reversal of mark-to-market loss (gain) on hedges entered into prior to the adoption of ASU 2017-12 and settled in the period; (ii) loss (gain) on non-designated commodity hedges; and (iii) reclassifications out of Accumulated other comprehensive loss due to forecasted transactions no longer probable of occurring.

⁵ Non-run rate acquisition costs are acquisition-related transaction costs, which include professional fees, as well as non-cash hedging charges recorded in connection with our Warrick acquisition

RECONCILIATION OF REPORTED NET DEBT TO EBITDA - ANNUAL

	2007		2008 2		2009		2010		2011		2012		2013		2014		2015	2016		2017		2018		2019		2020	2020		2022
Cash & Short-Term Investments	\$ 69	\$	-	\$	30	\$	136	\$	50	\$	358	\$	299	\$	292	\$	103 \$	286	\$	235	\$	162	\$	343	\$	780	\$	303	\$ 57
Total Debt	\$ -	\$	36	\$	-	\$	175	\$	175	\$	400	\$	400	\$	400	\$	198 \$	375	\$	375	\$	375	\$	500	\$	850	\$	1,050	\$ 1,050
Total Net Debt	\$ (69)	\$	36	\$	(30)	\$	39	\$	125	\$	42	\$	101	\$	108	\$	95 \$	89	\$	140	\$	213	\$	157	\$	70	\$	747	\$ 993
Consolidated Adjusted EBITDA	\$ 129	\$	111	\$	70	\$	85	\$	111	\$	174	\$	174	\$	162	\$	183 \$	207	\$	199	\$	205	\$	213	\$	154	\$	193	\$ 142
Net Debt to Consolidated Adjusted EBITDA	NM		0.3x		NM		0.5x		1.1x		0.2x		0.6x		0.7x		0.5x	0.4	(0.7x		1.0x		0.7x		0.5x		3.9x	7.0x





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