

INSTITUTIONAL RESEARCH

Emerging GrowthINITIATION REPORT

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Byrna Technologies Inc. (NASDAQ: BYRN)

April 26, 2022

Buy: Initiating with Buy Recommendation, \$12 Target.

We initiate coverage of Byrna Technologies, Inc, with a Buy recommendation and \$12 price target. Byrna has developed a suite of non-lethal security devices for consumer, private security and law-enforcement markets. Recent results have been negatively impacted by supply-chain issues, however, we expect an acceleration in revenue growth in the second half of this year, accompanied by margin improvement and believe these can lead to multiple expansion.

Byrna Technologies has developed a line of handheld personal security devices, with the look and feel of a handgun, but the device fires, powered by CO2, non-lethal kinetic and pepper ball rounds. Because the Byrna launchers do not use gunpowder or explosives to propel the projectiles it is not classified as a firearm and faces far fewer regulatory burdens than handgun manufactures. The company also offers a shoulder-fired device, also powered by CO2 and firing similar type rounds as its handheld device. An active and aggressive R&D and acquisition strategy has expanded the company's line of launchers, projectiles, and accessories.

The company is benefitting from the demand for personal safety but is unique in offering a non-lethal option not subject to firearm regulations. In our view consumers' demand for increased personal safety devices was caused by the pandemic, violent demonstrations increasing in 2020, increased crime in major cities and the 'defund the police' movement. We believe this backdrop has propelled Byrna's success thus far despite a relatively thin product line, marketing and distribution. As the company's product line, marketing and channel increases, we expect sales to accelerate.

To date, most of the company's sales were to the domestic consumer market from its e-commerce website. However, the company's products are now available on Amazon.com and availability at brick-and-mortar stores and in international markets is increasing. We expect expanded distribution to be a key component of the company's growth in the coming years.

We expect recent actions to result in an easing of the negative impact on the company's revenue growth and margins from the disruption to the global supply chain brought about by the pandemic. Byrna has invested in domestic manufacturing capacity and inventory in order to better satisfy demand for the company's existing products and to meet expected demand for new products and from new distribution outlets.

Investment Highlights

| Current Price | | | | | | \$6.82 | | | | |
|--|-----|-----------|-----|-----------|-------|-----------|--|--|--|--|
| Price Target | | | | | | \$12.00 | | | | |
| Estimates | F | 2021A | | F2022E | F | 2023E | | | | |
| Revenues (\$000s) | \$ | 42,160 | \$ | 53,977 E | | | | | | |
| 1Q February | \$ | 8,893 | \$ | 7,977 E | \$ | 15,000 | | | | |
| 2Q May | \$ | 13,401 | \$ | 12,000 E | \$ | 18,000 | | | | |
| 3Q August | \$ | 8,703 | \$ | 15,000 E | \$ | 20,000 | | | | |
| 4Q November | \$ | 11,163 | \$ | 19,000 E | \$ | 23,000 | | | | |
| | F | 2021A | | F2022E | F | 2023E | | | | |
| EBITDA (\$000s) | \$ | 1,646 | \$ | 3,275 E | \$ | 15,031 | | | | |
| 1Q February | \$ | 370 | \$ | (2,376)E | \$ | 1,422 | | | | |
| 2Q May | \$ | 3,005 | \$ | (93)E | \$ | 3,230 | | | | |
| 3Q August | \$ | (687) | \$ | 1,797 E | | 4,440 | | | | |
| 4Q November | \$ | (1,042) | \$ | 3,947 E | \$ | 5,940 | | | | |
| | | | | | | | | | | |
| EV/Sales | | NM | | 2.1 x | | 1.5 x | | | | |
| EV/EBITDA | | NM | | 34.5 x | | 7.5 x | | | | |
| Stock Data | | | | | | | | | | |
| 52-Week Range | | \$6.65 | | - | | \$30.55 | | | | |
| Shares Outstanding (mil.) | | | | | | 22.9 | | | | |
| Market Capitalization (mil. | .) | | | | | \$156 | | | | |
| Enterprise Value (mil.) | | | | | | \$113 | | | | |
| Debt to Capital | | | | | | 0% | | | | |
| Cash & Equivalents (mil.) | | | | | | \$44.7 | | | | |
| Cash/Sh. | | | | | | \$1.95 | | | | |
| Average Three Months Tra | adi | ng Volun | ne | (K) | | 121 | | | | |
| Insider Ownership | | | | (/ | | 21.8% | | | | |
| Institutional Ownership | | | | | | 27.9% | | | | |
| Short interest (mil.) | | | | | | 4.9% | | | | |
| Dividend / Yield | _ | | | | ćη | 00/0.0% | | | | |
| | ÷ | (D)(D) | | | ŞŪ. | 00/0.078 | | | | |
| Byrna Technologies Volume (Thousands) | In | c. (BYRN | -U | | ce (l | JSD) as | | | | |
| 2,000 1,800 | | | | | | 35 | | | | |
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| Volume — Byrna Technologies Inc. | | | | | | | | | | |
| | | | | Source: F | actS | et Prices | | | | |

We expect revenue to increase this fiscal year to \$54 million, up 28% over fiscal 2021 and we forecast 40% growth in fiscal 2023, to \$76 million. We believe \$100 million in revenue is achievable in fiscal 2024/25. We expect faster growth in EBITDA with improvements in mix, lower shipping costs and better manufacturing efficiency. We estimate the company will exit this year with EBITDA margins exceeding 20%.

Valuation & Risks

Our price target of \$12 assumes an EV/Sales multiple of 3x on our fiscal 2023 revenue estimate of \$76 million. Risks to achieving our target includes slower growth from higher interest rates, continuing supply chain disruptions, changes in regulations to the personal safety and firearm industry and changes in consumer demand for personal safety devices.



Overview

In 2019 Byrna introduced the Byrna HD, a handheld personal security device that, powered by CO2, fires kinetic and pepper ball rounds. Although the device has the look and feel of a handgun, it is not a firearm because it uses CO2, and not gunpowder or an explosive, to propel the projectiles. Total sales grew from less than \$1 million in fiscal 2019 to over \$16 million in fiscal 2020, partly on the mention and endorsement of the product on the Sean Hannity show in June of 2020. Sales continued to grow in 2021, to over \$42 million as the company increased its marketing, added brick-and-mortar distribution partners, added Amazon.com as an outlet, increased international sales, expanded its product line for the consumer market and introduced products and began a greater emphasis on the law enforcement market. In 2021 the company acquired the assets of Mission Less Lethal, a leading supplier of .68 caliber, shoulder-fired, non-lethal launchers for the law enforcement and professional security markets and the assets of Ballistipax, a developer of bulletproof backpacks designed for protection in active shooter situations.

The company's product line of launchers now includes the Byrna SD, the successor to the original HD, the SD XL, which features a longer barrel, and greater muzzle velocity than the SD, and the shoulder-fired Mission-4, based on technology acquired in the Mission Less Lethal acquisition. The Byrna SD starter kit (including CO2 canisters and ammo) is priced at \$350, the SD XL starter kit at \$460, and the Mission-4 starter bundle at \$900. Byrna also supplies a line of projectiles including OC/CS pepper ball projectiles, OC/PAVA pepper ball projectiles, kinetic rounds made of hard solid plastic to deter, discourage and delay attackers, eco-kinetic water-soluble rounds for practice and training and training rounds filled with inert powder. There is also a growing line of accessories including a variety of Ballistipac backpacks, holsters, a safety alarm and apparel.

Byrna has an active and aggressive internal product development program and acquisition strategy. We expect the company, this year, will introduce the TCR (Tactical Compact Rifle), a should-fired launcher, developed by Mission Less Lethal, the Byrna LE with a 7-round magazine, fiber-optic sights, and a regulator for cold-weather performance, and designed for the law enforcement market, and 12-gauge rounds utilizing the company's fintail projectile and targeted to the 100 million shotguns in the U.S. We also believe the company will continue filling out its product offering with acquisitions, and we believe the company's cessation of its stock buyback plan is a result of opportunities currently available.

Manufacturing occurs in South Africa and at a Ft. Wayne Indiana plant that opened in 2020. The pandemic has caused major disruptions to the company's manufacturing, resulting in product launch delays, deferred orders, revenue shortfalls and margin compression. To counter these effects Byrna has increased capacity at its Ft. Wayne facility, hardened its supply chain with additional suppliers and invested in inventory to enable supply of end-products should supply chain disruptions continue.

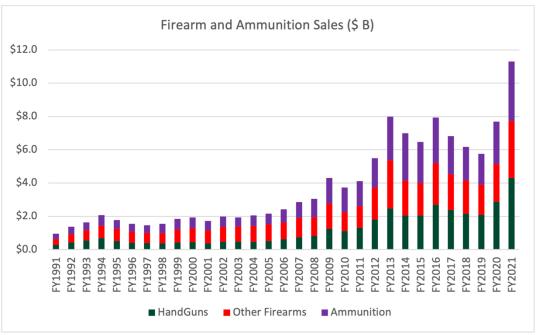
We expect revenue to increase this fiscal year to \$54 million, up 28% over fiscal 2021 and we forecast 40% growth in fiscal 2023, to \$76 million. We believe \$100 million in revenue is achievable in fiscal 2024/25. We expect faster growth in EBITDA with improvements in mix, lower shipping costs and better manufacturing efficiency. We estimate the company will exit this year with EBITDA margins exceeding 20%.

The shares peaked in September 2021, at \$30 per share, and a market cap exceed \$700 million. However, the overall decline in the market, partially driven by a change in monetary policy by the Federal Reserve, and a decline in the overall personal security market has resulted in a decline in the shares to their current price of \$6.82. We believe this is an attractive entry point and initiate coverage with a Buy recommendation and \$12 price target.

Firearms and Law Enforcement Market

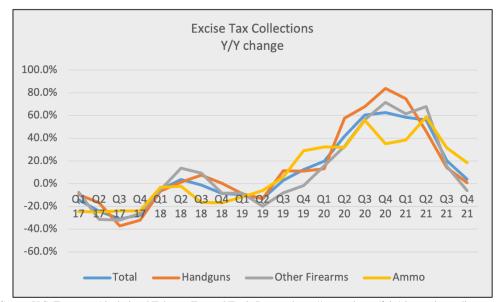
Using excise tax data from the U.S. Treasury's Alcohol and Tobacco Tax and Trade Bureau, domestic sales (at wholesale) of handguns, firearms and ammunition exceeded \$11.3 billion in the Federal Government's fiscal year ending September 2021. Sales grew at a compound annual rate of 5.7% during the George W. Bush presidency, a 12.7% rate during the Obama presidency and declined at a 0.8% rate during the Trump presidency, although sales spiked in 2020 during the pandemic and amid widespread riots across the United States.

We believe sales accelerated during the Obama years as greater restrictions on gun ownership were proposed and with the Supreme Court's McDonald and Heller decisions which protected an individual's right to ownership of firearms. In the recent past we believe the Republican party has become more supportive of the right to own firearms while the Democratic party has embraced a position of greater restrictions on firearm ownership. The result, in our view, is an increase in sales when the Democratic party has greater power, as consumers fear policies that will lead to restrictions on purchase, and a diminution in growth when the Republican party has greater power. The spike in sales in 2021 is consistent with this thesis and the current prediction of Republican gains in the U.S. House and possibly the Senate suggests growth could continue to abate.



Source: TTB, Dawson James.

While sales in the government's fiscal 2021 were record highs, the growth rate in sales peaked in calendar Q4 2020 and the rate of growth declined in each subsequent quarter through calendar Q4 of 2021. Comps in 2022 will be very difficult versus the spike in sales in 2021 and a potential change in party control in one or both houses of Congress could diminish demand while the Supreme Court's upcoming decision in *New York State Rifle & Pistol Association, Inc. v. Bruen* (regarding a law limiting concealed carry) could also have an impact on demand.

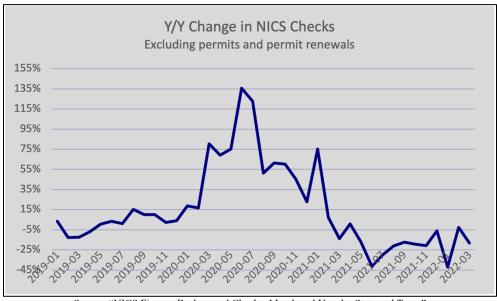


 $Source\ U.S.\ Treasury,\ Alcohol\ and\ Tobacco\ Tax\ and\ Trade\ Bureau,\ https://www.ttb.gov/foia/electronic-reading-room.$

Recent data from the National Instant Criminal Background Check System (NICS) also shows demand slowing. The Brady Handgun Violence Prevention Act of 1993 requires the FBI to check whether prospective firearms or explosives buyers' names and birth years match entries in federal databases of 1) criminal histories in the Interstate Identification Index (III); 2) wanted persons, subjects of protection orders, and other persons who may pose a threat to officer and public safety in the National Crime Information Center (NCIC) database; 3) persons prohibited from possessing or receiving a firearm in the NICS Indices; and 4) non-U.S. citizens attempting to receive firearms. Total NICS checks include requests for permits and permit renewals, and excluding these two categories, or adjusted NICS checks, provides a proxy for gun purchases in the U.S.

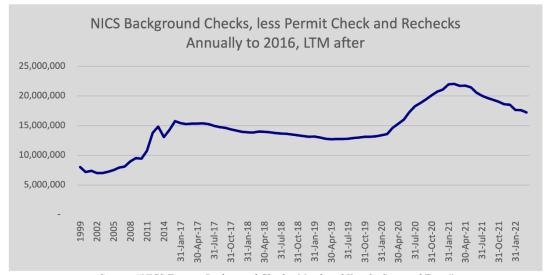


Adjusted NICS checks accelerated beginning March of 2020 and the year-over-year growth rate peaked in June of 2020 at 136%. Since then, the rate of change has declined, and turned negative in March 2021. The year-over-year change in adjusted NICS checks were negative in all but one of the thirteen subsequent months.



Source: "NICS Firearm Background Checks: Month and Year by State and Type," www.fbi.gov/services/cjis/nics

From 1999 through 2008, background checks (less permits and renewals) increased at a 1.3% compound annual rate. From 2008 through 2016, checks grew at a 7.3% compound annual rate. From the end of 2016 through 2019, the number of checks fell at a 5.8% annual rate. For 2020, background checks (excluding permits and renewals) were 21.1 million, 60% higher than the 13.2 million checks processed in 2019. In 2021, adjusted checks were 18.5 million, down 12% versus the adjusted checks in 2020 and down from the peak level of a 22.0 million annualized rate achieved in January 2021.



Source: "NICS Firearm Background Checks: Month and Year by State and Type," www.fbi.gov/services/cjis/nics

The decline in NICS checks is broad-based. Within the continental United States, adjusted checks for the three months ending March 2022 were down in almost every state. Iowa was the only state with an increase in adjusted NICS background checks in March.



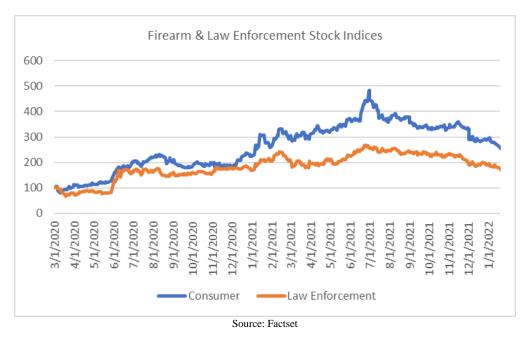
NICS Background Checks (excluding new and renewal permits) by State and Territory

| | 3 Mos. Ending | 3 Mos. Ending | | Percent | A CONTRACTOR OF THE CONTRACTOR | 3 Mos. Ending | 3 Mos. Ending | | Percent |
|----------------------|---------------|---------------|-------------|---------|--------------------------------|---------------|---------------|----------|---------|
| State/Territory | Mar 2021 | Mar 2022 | Change | Change | State/Territory | Mar 2021 | Mar 2022 | Change | Change |
| lowa | 12,074 | 19,862 | 7,788 | 65% | Oklahoma | 116,067 | 87,639 | (28,428) | -24% |
| Mariana islands | 72 | 103 | 31 | 43% | New York | 115,255 | 87,003 | (28,252) | -25% |
| District of Columbia | 1,223 | 1,733 | 510 | 42% | Montana | 40,855 | 30,753 | (10,102) | -25% |
| Puerto Rico | 14,191 | 19,929 | 5,738 | 40% | Kentucky | 107,992 | 80,936 | (27,056) | -25% |
| Connecticut | 37,347 | 36,163 | (1,184) | -3% | Virginia | 191,849 | 143,572 | (48,277) | -25% |
| Virgin Islands | 176 | 158 | (18) | -10% | Vermont | 15,795 | 11,778 | (4,017) | -25% |
| Guam | 1,009 | 901 | (108) | -11% | Colorado | 150,865 | 112,363 | (38,502) | -26% |
| Washington | 152,532 | 135,914 | (16,618) | -11% | Kansas | 64,443 | 47,418 | (17,025) | -26% |
| Texas | 418,107 | 363,310 | (54,797) | -13% | Maryland | 61,102 | 44,853 | (16,249) | -27% |
| Wisconsin | 139,060 | 114,979 | (24,081) | -17% | North Carolina | 90,239 | 66,238 | (24,001) | -27% |
| California | 313,867 | 257,430 | (56,437) | -18% | Pennsylvania | 300,929 | 219,455 | (81,474) | -27% |
| Hawaii | 11 | 9 | (2) | -18% | Maine | 34,842 | 25,385 | (9,457) | -27% |
| Mississippi | 83,805 | 67,636 | (16,169) | -19% | Minnesota | 107,258 | 77,608 | (29,650) | -28% |
| Louisiana | 101,813 | 81,853 | (19,960) | -20% | Utah | 49,054 | 35,475 | (13,579) | -28% |
| Oregon | 103,997 | 82,136 | (21,861) | -21% | Delaware | 18,962 | 13,696 | (5,266) | -28% |
| Illinois | 146,621 | 115,056 | (31,565) | -22% | Alaska | 25,022 | 17,992 | (7,030) | -28% |
| Arizona | 140,261 | 109,641 | (30,620) | -22% | South Carolina | 98,442 | 70,519 | (27,923) | -28% |
| New Mexico | 55,230 | 42,907 | (12,323) | -22% | Ohio | 201,348 | 144,065 | (57,283) | -28% |
| Nebraska | 8,629 | 6,663 | (1,966) | -23% | North Dakota | 21,985 | 15,620 | (6,365) | -29% |
| Totals | 5,483,342 | 4,212,539 | (1,270,803) | -23% | West Virginia | 60,802 | 43,191 | (17,611) | -29% |
| Tennessee | 202,194 | 155,317 | (46,877) | -23% | Idaho | 58,210 | 41,321 | (16,889) | -29% |
| Florida | 407,091 | 311,344 | (95,747) | -24% | Wyoming | 22,889 | 16,118 | (6,771) | -30% |
| Massachusetts | 43,971 | 33,504 | (10,467) | -24% | Georgia | 148,893 | 104,696 | (44,197) | -30% |
| Indiana | 171,589 | 130,625 | (40,964) | -24% | New Hampshire | 44,043 | 30,942 | (13,101) | -30% |
| Missouri | 179,377 | 135,777 | (43,600) | -24% | Michigan | 200,166 | 136,649 | (63,517) | -32% |
| Alabama | 171,370 | 129,590 | (41,780) | -24% | South Dakota | 31,228 | 19,412 | (11,816) | -38% |
| Nevada | 42,294 | 31,968 | (10,326) | -24% | New Jersey | 73,035 | 42,926 | (30,109) | -41% |
| Arkansas | 69,716 | 52,676 | (17,040) | -24% | Rhode Island | 14,145 | 7,732 | (6,413) | -45% |

Source: "NICS Firearm Background Checks: Month and Year by State and Type," www.fbi.gov/services/cjis/nics

We have created two indices to capture the share performance of firearm/self-defense and accessory companies primarily serving 1) the consumer market: American Outdoor Brands, Ammo, Inc., Byrna, Smith & Wesson Brands, Sturm, Ruger & Company, Inc. and 2) those primarily serving the law enforcement market: Axon, Digital Ally, ShotSpotter, VirTra and Wrap Technologies.

The indices are equal-weighted, chain-linked and begin in March of 2020, about the start of the pandemic. From March 2020 to their respective peaks in June 2021 the consumer index increased over 640%, much of the increase due to the increase in Byrna. Excluding Byrna from the group, the consumer index would have increased over 380%. The law enforcement index increased 167%. The index of the consumer group has declined 50% since its peak versus a 40% decline for the law enforcement index from its peak.



Byrna Product Line

Byrna has developed a line of handheld and shoulder-fired launchers, powered by CO2 cartridges, which fire .68 caliber spherical kinetic and chemical irritant projectiles. These security devices are designed to disable a threat from a standoff distance of up to 60 feet, are non-lethal and because they do not use an explosive charge as a propellant, are not classified as a firearm and do not require a background check or firearms license to purchase. The devices are designed for use by consumers, professional security and law enforcement agencies.



The company's flagship product through mid 2021 was the Byrna HD and was updated and improved by the introduction of the Byrna SD (Self Defense) in August 2021. The handheld launcher has more than 60 custom designed parts, an easily reloadable magazine that holds five (soon to be seven) 0.68 caliber kinetic or pepper spray projectiles and is a non-lethal alternative to firearms. The Byrna SD has an effective range of 60 feet and recommended maximum ranges of 10 feet for pepper spray projectiles and 20 feet for kinetic rounds. A variation of the SD, the SD XL, is also available, and features a longer barrel and greater muzzle velocity.

The SD starter kit is priced at \$399.99, is available in gray, black, orange, tan, yellow and pink, and comes with two 8-Gram CO2 cartridges, 2 5-round magazines, and three five-round projectile tubes.



Source: Byrna.com

The SD XL, priced at \$459.99, is available in black and orange and also comes with two 8-Gram CO2 cartridges, 2 5-round magazines, and three five-round projectile tubes.

In May 2021 Byrna acquired the assets of Mission Less Lethal from Kore (US) Outdoor Inc. for \$3.7 million. Mission Less Lethal manufactured .68 caliber, shoulder-fired non-lethal launchers for domestic and international law enforcement and security professionals. The company re-engineered the Mission 4 rifle and offers a bundle that includes the launcher, 2 19-round coupled magazines, an accessory kit, 2 twin packs of 88g CO2 cartridges (4 cartridges total) and 2 95-count of kinetic rounds for \$899.99



4/26/22



The company sells a variety of rounds for the handheld and shoulder-fired launchers



Source: Byrna.com

We believe projectile margins can be well above the company's average and reducing freight costs will be a key component of margin improvement in the coming quarters. The company has indicated certain rounds cost "several" pennies to produce but it paid upwards of \$0.15 per round in 2021 to ship. The company is shifting production to the U.S. and utilizing ground shipping, instead of air shipping as two of the ways to address supply chain issues that have negatively impacted sales and margins. Even if "several" pennies to produce is more like a dime and it applies to the lowest cost product, the eco-kinetic round with an ASP of \$0.42 per round, gross margin would exceed 75%.

Ammunition sales have been about 25% of total sales recently and could become a larger portion of the total as the installed base of launchers increases. The company has stated ammunition sales can be as large as the initial sale of the launcher in the first 18 months of ownership. The introduction of the eco-kinetic round is an important part of the company's strategy as its low-cost, and low-waste profile could encourage more practice, greater sales of ammunition, greater satisfaction with the product and thus resulting in higher margins.

Upcoming Product Introductions

Key to the company's guidance of \$55 to \$60 million in sales in fiscal 2022 is the introduction of the TCR, the LE and the 12-gauge round. The LE and the 12-gauge round, in particular, are critical to meeting the company's guidance and our projections.



The TCR, a result of the Mission Less Lethal acquisition, is a 12-round, with a 7-round backup, shoulder-fired launcher, powered by a 12g CO2 canister. It fires at greater than 300 feet per second. The company has indicated the retail price, for consumers is about \$700.

In December of 2021, Byrna received a \$200,000 order to provide 200 units to the Spokane County Sheriff's Office patrol division, SWAT Team, and their TAC Unit. The Sherriff's office intends to place a TCR in every patrol car and a use case of "managing instances of civil disorder."

Source: Byrna Analyst Meeting September 9, 2021

We expect the Byrna LE to begin shipping in the company's fiscal Q3. The LE, has been designed specifically designed to meet the requirements of the law enforcement market and will be faster, more accurate and have greater stopping power than the Byrna SD. The LE will be produced exclusively in the United States, mitigating some of the supply chain issues Byrna has faced with other products.

We have modeled introduction of the 12-gauge projectile in late Q3 or early Q4. This projectile utilizes the company's helix fintail design and will be marketed to the owners of 100 million shotguns in the United States.



Source: Byrna Analyst Meeting September 9, 2021

This projectile will enable shotgun owners, to use their existing weapons to address a threat, without employing lethal force and at a safe standoff distance. In the U.S., the shotgun is the most common weapon used for home defense and this will allow current owners an opportunity to increase their range of responses to threats. The company also believes the 12-gauge round will improve its brand with this market segment and drive sales of Byrna launchers.

Manufacturing

Byrna operates a 10,000 square foot manufacturing facility in Pretoria, South Africa with capacity to product 400,000 launchers per year and 1.8 million magazines per year. In 2020 Byrna opened a 14,000 square foot facility in Fort Wayne, Indiana and announced plans to move its manufacturing site to a new 30,000 square foot facility in the first half of calendar 2022. This will increase capacity and is expected to improve efficiency and lower costs.

Distribution

Of the \$42.2 million in sales in fiscal 2021, \$9.6 million was from the wholesale channel and \$32.6 million from e-commerce, the vast majority of that from the company's web site, as Amazon contributed a small amount in Q4. For fiscal 2022 we expect 54% growth from the wholesale channel, to \$14.8 million and 20% growth from the e-commerce channel to \$39.2 million.

We estimate of the \$9.6 million in wholesale channel sales in fiscal 2021, about \$5.5 million was from domestic dealers, less than \$1 million from private security/law enforcement and \$3.5 million from international markets. We expect each of these to grow substantially in this fiscal year. Domestic dealer sales are projected to grow to \$7.5 million in fiscal 2022 partly based on recently signed deals with Sportsman's Warehouse and SCHEELS. Sportsman's Warehouse is expected to carry the full line of Byrna products at all 122 of its locations across 29 states. SCHEELS is also expected to carry the full Byrna line at its 31 locations across 14 states. These two retailers will add substantially to the company's retailer network. Private security/law enforcement sales are projected to increase to between \$1.5 and \$2.0 million from the introduction of the LE, the TCR and increased focus on these markets. International sales are expected to increase from \$3.5 million to \$5.5 million.

In fiscal 2022 we project e-commerce sales of \$39.2 million. Of this, we project sales from Byrna.com will be flat as fiscal 2021 benefitted from mentions by Sean Hannity on his show and we are not forecasting a similar impact this year. The entire growth in e-commerce we forecast is from Amazon.com.

Over time the company expects about 57% of sales from e-commerce, 18% from dealer/distributor, 15% from international and 10% from private security and law enforcement market.

Sales by Channel

| Ž | FY2022 | Goal |
|----------------------------------|--------|------|
| E-commerce | 73% | 57% |
| Dealer/distributor | 14% | 18% |
| International | 10% | 15% |
| Private Security/Law Enforcement | 3% | 10% |

Source: Byrna Technologies, Inc. and Dawson James Securities estimates.

We believe there is significant room for growth in the dealer/distributor and international channel and also expect continued growth in the e-commerce channel, although at a rate less than the overall company growth rate. The private security/law enforcement market is large but fragmented and requires long sales cycles. We believe it will be a challenge for the company as it pursues this market.



Outlook

We project revenue in fiscal 2022 of \$54 million, growing to \$76 million in fiscal 2023. In Q1 of fiscal 2022 the company posted gross margin of 58% and we expect incremental progress for the remaining quarters of the year as the company's efforts to reduce freight costs and return to a more orderly manufacturing cadence proceeds. We have the company exiting Q4 at a 60% gross margin and improving slightly in fiscal 2023 to 61%. We believe there is room for upside in our fiscal 2023 estimate, particularly if supply chain issues are solved and inflation subsides.

We estimate there is significant operating leverage as the company does not require a meaningful increase in operating expenses to support the revenue growth we have forecast. We have EBITDA margin improving as the year progresses, with the highest level in Q4 when sales are expected to be the highest for the year. For the full year we estimate EBITDA margin of 6.1% improving to 20% in fiscal 2023.

As of the end of Q1 Byrna had \$45 million in cash. Inventory levels are elevated in order to protect itself from further supply chain disruptions and we have assumed inventory turns do not return to normal until the end of fiscal 2023. Increased inventory turns will contribute to less investment in working capital and improved cash flow generation. With strong cash flow generation and an ample cash balance the company is in an enviable position to add to its product portfolio with acquisitions.

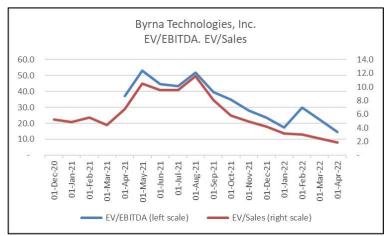
Valuation

Firearm manufacturers like Smith & Wesson Brands and Sturm, Ruger trade at low multiples of sales while the rest of the comp group serving the personal safety and law enforcement markets trades at an average of 4x sales. Our price target for Byrna assumes a 3x multiple, a substantial discount to the sub-group. This results in a target of \$12 using our fiscal 2023 revenue estimate of \$76 million.

| | | Price | EPS | P/E | TEV | Sales | EV/ Sales | E | BITDA | EV/ EBITDA |
|---------|-------------------------------|----------|------------|-------|-------------|-------------|--------------|----|--------|---------------|
| AOUT-US | American Outdoor Brands, Inc. | \$ 13.33 | \$ 1.91 | 7.0 | \$ 178.2 | \$ 268.1 | 0.66 | \$ | 39.4 | 4.5 |
| POWW-US | AMMO Inc | 4.28 | 0.33 | 12.8 | 465.1 | 275.1 | 1.69 | | 74.0 | 6.3 |
| AXON-US | Axon Enterprise Inc | 120.79 | 2.08 | 58.1 | 7,962.8 | 1,102.0 | 7.23 | | 211.0 | 37.7 |
| SSTI-US | ShotSpotter, Inc. | 29.04 | 0.03 | 874.8 | 340.1 | 85.2 | 3.99 | | 15.9 | 21.4 |
| SWBI-US | Smith & Wesson Brands, Inc. | 14.72 | 2.26 | 6.5 | 586.3 | 676.6 | 0.87 | | 172.1 | 3.4 |
| RGR-US | Sturm, Ruger & Company, Inc. | 72.30 | 5.99 | 12.1 | 1,034.3 | 609.2 | 1.70 | | 169.4 | 6.1 |
| VTSI-US | VirTra, Inc. | 5.40 | 0.35 | 15.4 | 46.0 | 26.4 | 1.74 | | 5.6 | 8.2 |
| WRAP-US | Wrap Technologies, Inc. | 2.82 | (0.39) | (7.3) | 90.4 | 17.5 | 5.17 | | (11.0) | (8.2) |
| | Median | | | 12.4 | | | 1.72 | | | 6.2 |
| BYRN-US | Byrna Technologies Inc. | \$ 6.82 | \$ 0.26 | 26.6 | \$ 114.5 | \$ 63.0 | 1.82 | \$ | 7.8 | 14.8 |

Source: FactSet and Dawson James Securities estimates

EV/Sales and EV/EBITDA have declined sharply over the past few months and we believe current valuation is attractive, particularly in front of projected accelerating revenue and EBITDA growth in the coming quarters.



Source: FactSet and Dawson James Securities estimates.

Risks

Risk Analysis: Risks to achieving our target includes slower growth from higher interest rates, continuing supply chain disruptions, changes in regulations to the personal safety and firearm industry and changes in consumer demand for personal safety devices.



Exhibit 1. Income Statement (\$ in 000's except per share data)

| | 30-Nov-19 30-Nov-20 | | 30-Nov-21 | 28-Feb-22 | 31-May-22 | 31-Aug-22 | 30-Nov-22 | 30-Nov-22 | 30-Nov-23 |
|-------------------------|--|-------------------|------------------|-------------------|------------------|------------------|---|--|-----------------|
| | FY2019 | FY2020 | FY2021 | FQ1 22A | FQ2 22E | FQ3 22E | FQ4 22E | FY2022E | FY2023E |
| Revenue \$ | T. T | \$ 16,566 | \$ 42,160 | \$ 7,977 | | | \$ 19,000 | \$ 53,977 | \$ 76,000 |
| COGS | 775 | 9,058 | 19,270 | 3,363 | 5,040 | 6,150 | 7,600 | 22,153 | 29,980 |
| Gross Profit | 149 | 7,508 | 22,890 | 4,614 | 6,960 | 8,850 | 11,400 | 31,824 | 46,020 |
| | 16% | 45% | 54.3% | 58% | 58% | 59% | 60% | 59% | 61% |
| Opex | 3,438 | 11,817 | 26,181 | 8,023 | 8,100 | 8,100 | 8,500 | 32,723 | 35,177 |
| Operating Income \$ | (3,289) | \$ (4,309) | \$ (3,291) | \$ (3,409) | \$ (1,140) | \$ 750 | \$ 2,900 | \$ (899) | \$ 10,843 |
| Interest & Other, total | (1,121) | (7,952) | (152) | 68 | 25 | 25 | 25 | 142 | 100 |
| Pretax Income | (4,410) | (12,261) | (3,443) | (3,341) | (1,115) | | 2,925 | (757) | |
| Taxes | 0 | 293 | (160) | (120) | (56) | 39 | 146 | 9 | 547 |
| Net Income \$ | (4,410) | \$ (12,553) | \$ (3,283) | \$ (3,221) | \$ (1,059) | \$ 736 | \$ 2,779 | \$ (766) | \$ 10,396 |
| Preferred Dividends \$ | 5 - | \$ - | 1,043 | \$ - | \$ - | \$ - | \$ - | 0 | 0 |
| Net to Common \$ | \$ (4,410) | \$ (12,553) | \$ (4,326) | \$ (3,221) | \$ (1,059) | \$ 736 | \$ 2,779 | \$ (766) | \$ 10,396 |
| Basic Shares | 10,354 | 12,679 | 19,610 | 23,790 | 23,290 | 22,953 | 23,028 | 23,265 | 23,215 |
| Diluted Shares | 10,354 | 12,679 | 19,610 | 23,790 | 23,290 | 23,053 | 23,128 | 23,265 | 23,315 |
| Basic EPS \$ | | | | | | | TORK MAKE MAKE MAKE MAKE MAKE MAKE MAKE MAK | \$ (0.03) | |
| Diluted EPS \$ | (0.43) | \$ (0.98) | \$ (0.22) | \$ (0.14) | \$ (0.05) | \$ 0.03 | \$ 0.12 | \$ (0.03) | \$ 0.45 |
| 504 | 5.1 | 040 | 107 | | 005 | 005 | 005 | 200 | 0.40 |
| D&A | 54 | 242 | 487 | 175 | 235 | 235 | 235 | 880 | 940 |
| Stock Comp | 218 | 1,252 | 3,150 | 812 | 812 | 812 | 812 | 3,248 | 3,248 |
| Other | 0 | 0 | 1,300 | 46 | 0 | 0 | 0 | 46 | 0 |
| EBITDA Margin | (3,016) -332.6% | (2,814) -17.0% | 1,646 3.9% | (2,376) -29.8% | (93) -0.8% | 1,797 12.0% | 3,947 20.8% | 3,275 6.1% | 15,031 19.8% |
| | | | | | | | | | |
| | FY2019 | FY2020 | FY2021 | FQ1 22A | FQ2 22E | FQ3 22E | FQ4 22E | FY2022E | FY2023E |
| Revenue | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | A CONTRACTOR OF THE PARTY OF TH | |
| COGS | 83.9% | 54.7% | 45.7% | 42.2% | 42.0% | 41.0% | 40.0% | | 10.000 |
| Gross Profit | 16.1% | 45.3% | 54.3% | 57.8% | 58.0% | 59.0% | 60.0% | 59.0% | 60.6% |
| Opex | 371.9% | 71.3% | 62.1% | 100.6% | 67.5% | 54.0% | 44.7% | 60.6% | 46.3% |
| Operating Income | -355.7% | | | | -9.5% | | 15.3% | | |
| Interest & Other, total | -121.3% | -48.0% | -0.4% | 0.9% | 0.2% | 0.2% | 0.1% | 0.3% | 0.1% |
| Pretax Income | -477.0% | -74.0% | -8.2% | -41.9% | -9.3% | 5.2% | 15.4% | | |
| Tax Rate | 0.0% | -2.4% | 4.6% | 3.6% | 5.0% | 5.0% | 5.0% | -1.2% | 5.0% |
| Net Income | -477.0% | -75.8% | -7.8% | -40.4% | -8.8% | 4.9% | 14.6% | | |
| EBITDA | -326.3% | -17.0% | 3.9% | -29.8% | -0.8% | 12.0% | 20.8% | 6.1% | 19.8% |
| Y/Y | | | | | | | | | |
| 17.1 | 269.4% | 1692.1% | 154.5% | -10.3% | -10.5% | 72.4% | 70.2% | 28.0% | 40.8% |
| | | | 107.070 | -10.070 | -10.070 | 12.7/0 | 10.2/0 | 20.070 | 40.070 |
| Revenue | | | | | | 21 0% | -3 1% | | |
| | 61.7% 57.7% | 243.8% 31.0% | 121.6% -23.6% | 55.8% | 46.2% -156.4% | 21.0% -141.6% | -3.4% -193.6% | 25.0% | 7.5% |

Source: Byrna Technologies, Inc. and Dawson James Securities estimates



Exhibit 2. Balance Sheet and Cash Flow Statement (\$ in 000's)

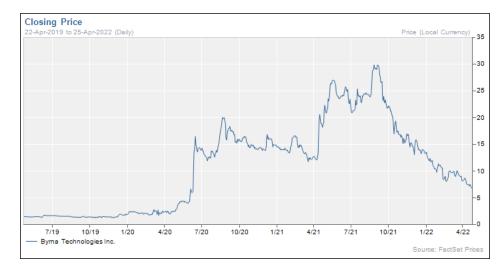
| FY2019 | | 30- | -Nov-19 | 3 | 0-Nov-20 | 30 | D-Nov-21 | 28 | 8-Feb-22 | 3 | 1-May-22 | 31 | -Aug-22 | 30 |)-Nov-22 | 30 |)-Nov-22 | 30 |)-Nov-23 |
|---|--|-----|---------|-------|----------|----|----------|-----|----------|----|----------|----|---------|----|------------|----|----------|----|----------|
| Restricted Cash A/R | | F | Y2019 | 1 | FY2020 | F | FY2021 | F | Q1 22A | | | | | F | Q4 22E | F | Y2022E | F | Y2023E |
| Restricted Cash A/R | O | | 4 000 | | 0.475 | | 50,000 | | 44.704 | | 45 400 | | 45.040 | | 50.047 | | 50.047 | | 00 500 |
| ARR | | | | | | | | | | | | | | | | | | | 09,522 |
| Inventory 960 | | - | | | | | | | | | | | | | | | | | |
| Prepaid Expenses & Othe 377 | | | | | | | | | | | | | | | | | | | |
| Patent rights | | , | | | | | | | | | | | | | | | | | |
| Deposits for equipment | | | | \$ | | \$ | 3(5) | \$ | | \$ | | \$ | | \$ | | \$ | | \$ | 89,103 |
| Deposits for equipment | Detent rights | | 00 | | 011 | | 2 669 | | 2 642 | | 2 551 | | 2 400 | | 2 420 | | 2 420 | | 2 105 |
| Right-Or-luse asset | | - | | | | | | | | | | | | | | | | | |
| PP&E Goodwill 0 0 651 1,220 1,972 2,043 2,932 3,812 4,460 4,460 6,600 | | | | | | | | | | | | | | | | | | | |
| Goodwill Restricted Cash 92 92 92 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | | | | |
| Restricted Cash Other 0 17 318 727 1,094 1,367 1,732 1,000 1,732 2,095 1,000 1,732 2,095 1,000 1,732 2,095 1,000 1,732 2,095 1,000 1,732 2,095 1,000 1,732 2,095 1,000 1,732 2,095 1,000 1,732 2,095 1,000 1,732 2,095 1,000 1,000 1,732 2,095 1,000 1,000 1,732 2,095 1,000 1,000 1,732 2,095 1,000 1,000 1,000 1,732 2,095 1,000 1 | | - | | | | | | - | | | | | | | | | | | |
| Other 0 17 318 727 1,094 1,367 1,732 1,732 2,08 Total Assets \$ 3,566 \$ 21,216 \$ 75,314 \$ 70,496 \$ 74,116 \$ 78,568 \$ 86,004 \$ 86,004 \$ 103,71 A/P 640 6,629 6,996 6,744 10,145 12,681 16,063 16,063 49,048 498 | A TANGOTTA CONTRACTOR OF THE PROPERTY OF THE P | | | | | | | | | | | | | | (CERCONOL) | | | | 010 |
| Total Assets \$ 3,566 \$ 21,216 \$ 75,314 \$ 70,496 \$ 74,116 \$ 78,568 \$ 86,004 \$ 86,004 \$ 103,71 \$ | | | | | | | | | | | | | | | | | 550 | | |
| A/P Operating Lease Operating | Other | | U | | 17 | | 310 | | 121 | | 1,034 | | 1,507 | | 1,732 | | 1,732 | | 2,030 |
| Operating Lease | Total Assets | \$ | 3,566 | \$ | 21,216 | \$ | 75,314 | \$ | 70,496 | \$ | 74,116 | \$ | 78,568 | \$ | 86,004 | \$ | 86,004 | \$ | 103,719 |
| Deferred revenue | | | 640 | | 6,629 | | 6,996 | | | | | | 12,681 | | 16,063 | | 16,063 | | 19,445 |
| Convertible notes Notes payable 0 0 75 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Operating Lease | | 0 | | | | 463 | | 498 | | | | 498 | | 498 | | 498 | | 498 |
| Notes payable | Deferred revenue | | 11 | | 4,902 | | 720 | | 361 | | 543 | | 679 | | 860 | | 860 | | 1,041 |
| Accrued Interest Current Liabilities \$ 3,675 \$ 11,864 \$ 8,179 \$ 7,603 \$ 11,186 \$ 13,858 \$ 17,421 \$ \$ 17,421 \$ \$ 20,98 | | | 2,759 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 |
| Current Liabilities \$ 3,675 \$ 11,864 \$ 8,179 \$ 7,603 \$ 11,186 \$ 13,858 \$ 17,421 \$ 17,421 \$ 20,98 \$ 10,000 \$ 115 \$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Notes payable | | 0 | | 75 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 |
| Convertbile N/P | Accrued Interest | | | | 0 | | | | | | | | | | 0 | | 0 | | 0 |
| NP | Current Liabilities | \$ | 3,675 | \$ | 11,864 | \$ | 8,179 | \$ | 7,603 | \$ | 11,186 | \$ | 13,858 | \$ | 17,421 | \$ | 17,421 | \$ | 20,984 |
| Deferred revenue Operating Lease 0 828 632 1,071 1,072 2 66,624 66,092 66,00 | Convertbile N/P | | 1,875 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 |
| Operating Lease 0 828 632 1,071 1,072 20 24 80,46 242 487 1,042 2,822 1,042 2,042 1,042 2,042 1,042 2,042 1,042 2,042 1,042 2,042 1,042 2,042 2,042 </td <td>NP</td> <td></td> <td>0</td> <td></td> <td>115</td> <td></td> <td>0</td> | NP | | 0 | | 115 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 |
| Equity (1,984) 8,409 66,098 61,407 61,235 62,858 66,524 66,524 80,46 Total Liabilities & Equity \$ 3,566 \$ 21,216 \$ 75,314 \$ 70,496 \$ 74,116 \$ 78,568 \$ 86,004 \$ 86,004 \$ 103,71 30-Nov-19 | Deferred revenue | | 0 | | | | | | | | 624 | | 780 | | 988 | | 988 | | 1,197 |
| Total Liabilities & Equity \$ 3,566 \$ 21,216 \$ 75,314 \$ 70,496 \$ 74,116 \$ 78,568 \$ 86,004 \$ 86,004 \$ 103,71 \$ 30-Nov-19 FY2019 FY2020 FY2021 F201 22A FQ2 22E FQ3 22E FQ4 22E FY2022E FY2023E | Operating Lease | | 0 | | 828 | | 632 | | 1,071 | | 1,071 | | 1,071 | | 1,071 | | 1,071 | | 1,071 |
| 30-Nov-19 | Equity | | (1,984) | | 8,409 | | 66,098 | | 61,407 | | 61,235 | | 62,858 | | 66,524 | | 66,524 | | 80,467 |
| Net Income (4,410) (12,553) (3,283) (3,221) (1,059) 736 2,779 (766) 10,39 Depreciation 54 242 487 175 235 235 235 880 94 Stock Comp 218 1,252 3,150 1,284 812 812 812 3,720 3,24 Other 1,612 8,873 63 16 389 383 344 1,131 (15 Working Capital (1,251) 4,723 (4,854) (6,686) 969 (1,144) 3,604 (3,256) 5,47 Operating CF (3,776) 2,538 (4,437) (8,432) 1,346 1,022 7,773 1,708 1,990 Capx (246) (1,426) (1,700) (915) (1,000) (1,000) (750) (3,665) (3,00 Equity 0 7,714 57,333 (2,288) 75 75 75 (2,063) 30 Debt < | Total Liabilities & Equity | \$ | 3,566 | \$ | 21,216 | \$ | 75,314 | \$ | 70,496 | \$ | 74,116 | \$ | 78,568 | \$ | 86,004 | \$ | 86,004 | \$ | 103,719 |
| Net Income (4,410) (12,553) (3,283) (3,221) (1,059) 736 2,779 (766) 10,39 Depreciation 54 242 487 175 235 235 235 235 880 94 Stock Comp 1,612 8,873 487 175 235 235 235 3,720 3,24 Other 1,612 8,873 63 16 389 383 344 1,131 (1,251) 4,723 (4,854) (6,686) 969 (1,144) 3,604 5,47 | | | | 10000 | | | | _ | | | | | | | | | | | |
| Depreciation 54 Stock Comp 242 2 18 Stock Comp 487 3,150 3,150 3,150 3,24 175 3235 3235 3235 3,720 3,24 235 3,720 3,24 | | | | 1 | | | | | | | | | | | | | | | |
| Stock Comp 218 1,252 3,150 1,284 812 812 812 3,720 3,24 Other 1,612 8,873 4,723 (4,854) (6,686) 969 (1,144) 3,604 1,131 (3,256) 5,47 Operating CF (3,776) \$ 2,538 (4,437) (8,432) 1,346 1,022 7,773 1,708 19,90 Capx (246) (1,426) (1,700) (915) (1,000) (1,000) (750) (3,665) (3,00 Acquisitions (246) (1,995) (5,882) (915) (1,000) (1,000) (750) (3,665) (3,00 Equity 0 7,714 57,333 (2,288) 75 75 75 (2,063) 30 FX (19) 171 (189) (189) (64) - - - - - (64) - - | | | | | | | | | | | | | | | | | | | 10,396 |
| Other Working Capital Working Capital Operating CF 1,612 (1,251) | | | | | | | | | | | | | | | | | | | 940 |
| Working Capital Operating CF (1,251) 4,723 (4,854) (6,686) 969 (1,144) 3,604 (3,256) 5,47 Operating CF (3,776) \$ 2,538 (4,437) \$ (8,432) \$ 1,346 \$ 1,022 \$ 7,773 \$ 1,708 \$ 19,90 Capx (246) (1,426) (1,700) (915) (1,000) (1,000) (750) (3,665) (3,00 Acquisitions Other Investing Activities (246) \$ (1,995) \$ (5,882) \$ (915) \$ (1,000) \$ (750) \$ (3,665) \$ (3,00 Equity 0 7,714 57,333 (2,288) 75 75 75 (2,063) 30 Debt 4,032 \$ 7,768 \$ 57,252 \$ (2,288) 75 75 \$ (2,063) \$ 30 FX (19) \$ 171 \$ (189) \$ (64) \$ - \$ - \$ (64) \$ - | | | | | | | | | | | | | | | | | | | 3,248 |
| Operating CF \$ (3,776) \$ 2,538 \$ (4,437) \$ (8,432) \$ 1,346 \$ 1,022 \$ 7,773 \$ 1,708 \$ 19,90 Capx (246) (1,426) (1,700) (915) (1,000) (1,000) (750) (3,665) (3,00 Acquisitions (489) (4044) 0 0 | | | | | | | | | | | | | | | | | | | (156 |
| Capx (246) (1,426) (1,700) (915) (1,000) (1,000) (750) (3,665) (3,000) (1,000) | | | | | | | | 200 | | | | • | | • | | | | • | |
| Acquisitions Other Investing Activities \$ (246) \$ (1,995) \$ (5,882) \$ (915) \$ (1,000) \$ (1,000) \$ (750) \$ (3,665) \$ (3,000) \$ (1,000) \$ | Operating CF | \$ | (3,776) | \$ | 2,538 | \$ | (4,437) | \$ | (8,432) | \$ | 1,346 | \$ | 1,022 | \$ | 1,113 | \$ | 1,708 | \$ | 19,905 |
| Other Investing Activities \$ (246) \$ (1,995) \$ (5,882) \$ (915) \$ (1,000) \$ (750) \$ (3,665) \$ (3,000) Equity 0 4,032 54 (81) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | (246) | | | | | | (915) | | (1,000) | | (1,000) | | (750) | | (3,665) | | (3,000 |
| Investing Activities \$ (246) \$ (1,995) \$ (5,882) \$ (915) \$ (1,000) \$ (1,000) \$ (750) \$ (3,665) \$ (3,000) \$ (2,288) \$ | | | | | | | | | 0 | | | | | | | | | | |
| Equity 0 4,032 54 54 (81) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Other | | | | (80) | | (138) | | | | | | | | | | | | |
| Debt 4,032 54 (81) 0 <t< td=""><td>Investing Activities</td><td>\$</td><td>(246)</td><td>\$</td><td>(1,995)</td><td>\$</td><td>(5,882)</td><td>\$</td><td>(915)</td><td>\$</td><td>(1,000)</td><td>\$</td><td>(1,000)</td><td>\$</td><td>(750)</td><td>\$</td><td>(3,665)</td><td>\$</td><td>(3,000</td></t<> | Investing Activities | \$ | (246) | \$ | (1,995) | \$ | (5,882) | \$ | (915) | \$ | (1,000) | \$ | (1,000) | \$ | (750) | \$ | (3,665) | \$ | (3,000 |
| Debt 4,032 54 (81) 0 <t< td=""><td>Equity</td><td></td><td>0</td><td></td><td>7,714</td><td></td><td>57,333</td><td></td><td>(2,288)</td><td></td><td>75</td><td></td><td>75</td><td></td><td>75</td><td></td><td>(2,063)</td><td></td><td>300</td></t<> | Equity | | 0 | | 7,714 | | 57,333 | | (2,288) | | 75 | | 75 | | 75 | | (2,063) | | 300 |
| Financing \$ 4,032 \$ 7,768 \$ 57,252 \$ (2,288) \$ 75 \$ 75 \$ 75 \$ (2,063) \$ 30 FX \$ (19) \$ 171 \$ (189) \$ (64) \$ - \$ - \$ - \$ (64) \$ - | | | | | 54 | | | | 0 | | 0 | | | | 0 | | 0 | | 0 |
| | Financing | \$ | 4,032 | \$ | 7,768 | \$ | 57,252 | \$ | (2,288) | \$ | 75 | \$ | 75 | \$ | 75 | \$ | (2,063) | \$ | 300 |
| Chango in Cash | FX | \$ | (19) | \$ | 171 | \$ | (189) | \$ | (64) | \$ | - | \$ | - | \$ | - | \$ | (64) | \$ | - |
| VIIGIUE III VASI 10 10 10 10 10 10 10 1 | Change in Cash | \$ | (8) | \$ | 8,482 | \$ | 46 744 | S | (11,699) | \$ | 421 | \$ | 97 | \$ | 7,098 | \$ | (4 084) | \$ | 17,205 |

Source: Byrna Technologies, Inc. and Dawson James Securities estimates



Important Disclosures:

Price Chart:



Price target and ratings changes over the past three years:

Initiated – Buy – April 26, 2022 – Price Target \$12

Dawson James Securities, Inc. (the "Firm") is a member of the Financial Industry Regulatory Authority ("FINRA") and the Securities Investor Protection Corporation ("SIPC").

The Firm does not make a market in the securities of the subject company(s). The Firm has not engaged in investment banking relationships with the subject company in the prior twelve months, as a manager or co-manager of a public offering and has not received compensation resulting from those relationships. The Firm may seek compensation for investment banking services in the future from the subject company(s). The Firm has not received other compensation from the subject company(s) in the last 12 months for services unrelated to managing or co-managing of a public offering.

Neither the research analyst(s) whose name appears on this report nor any member of his (their) household is an officer, director, or advisory board member of these companies. The Firm and/or its directors and employees may own securities of the company(s) in this report and may increase or decrease holdings in the future. As of April 26, 2022, the Firm as a whole did not beneficially own 1% or more of any class of common equity securities of the subject company(s) of this report. The Firm, its officers, directors, analysts, or employees may affect transactions in and have long or short positions in the securities (or options or warrants related to those securities) of the company(s) subject to this report. The Firm may affect transactions as principal or agent in those securities.

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Although the statements in this report have been obtained from and are based upon recognized statistical services, issuer reports or communications, or other sources that the Firm believes to be reliable, we cannot guarantee their accuracy. All opinions and estimates included in this report constitute the analyst's judgment as of the date of this report and are subject to change without notice.

Information about valuation methods and risks can be found in the "Valuation" and "Risk Analysis" sections of this report.

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Ratings Definitions:

- 1) **Buy**: The analyst believes the price of the stock will appreciate and produce a total return of at least 20% over the next 12-18 months;
- Neutral: The analyst believes the price of the stock is fairly valued for the next 12-18 months;
- 3) **Sell**: The analyst believes the price of the stock will decline by at least 20% over the next 12-18 months and should be sold.

The following chart reflects the range of current research report ratings for all companies, followed by the analysts of the Firm. The chart also reflects the research report ratings relating to those companies for which the Firm has performed investment banking services.

Current as of... 26-Apr-22

| | Company Coverage | | Investment Banking | |
|----------------------------|---------------------|------------|-----------------------|--------|
| | | | | % of |
| Ratings Distribution | # of Companies | % of Total | # of Companies | Totals |
| Market Outperform (Buy) | 32 | 74% | 4 | 13% |
| Market Perform (Neutral) | 11 | 26% | 0 | 0% |
| Market Underperform (Sell) | 0 | 0% | 0 | 0% |
| Total | 43 | 100% | 4 | 9% |

Analyst Certification:

The analyst(s) whose name appears on this research report certifies that 1) all of the views expressed in this report accurately reflect his (their) personal views about any and all of the subject securities or issuers discussed; and 2) no part of the research analyst's compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed by the research analyst in this research report; and 3) all Dawson James employees, including the analyst(s) responsible for preparing this research report, may be eligible to receive non-product or service-specific monetary bonus compensation that is based upon various factors, including total revenues of Dawson James and its affiliates as well as a portion of the proceeds from a broad pool of investment vehicles consisting of components of the compensation generated by investment banking activities, including but not limited to shares of stock and/or warrants, which may or may not include the securities referenced in this report.