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The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

Subject to Completion, Dated December 3, 2020

PRELIMINARY PROSPECTUS



Alta Equipment Group Inc.

Depositary Shares

Each Representing 1/1000th of a Share of % Series A Cumulative Perpetual Preferred Stock (Liquidation Preference Equivalent to \$25.00 Per Depositary Share)

Alta Equipment Group Inc. is offering depositary shares, each representing a 1/1000th fractional interest in a share of % Series A Cumulative Perpetual Preferred Stock (the "Series A Preferred Stock"), which we refer to in this prospectus as the depositary shares. shares of Series A Preferred Stock underlying the depositary shares will be deposited with Continental Stock Transfer & Trust Company, as depositary. As a holder of the depositary shares, you will be entitled to all proportional rights, preferences and privileges of the Series A Preferred Stock represented thereby, including dividend, voting, redemption and liquidation rights and preferences. The proportionate liquidation preference of each depositary share is \$25.00.

We will pay cumulative distributions on the Series A Preferred Stock underlying the depositary shares, from, and including, the date of original issuance, in the amount of \$ per depositary share each year, which is equivalent to % of the \$25.00 liquidation preference per depositary share. Dividends on the Series A Preferred Stock will be payable quarterly in arrears, on or about the last day of January, April, July and October of each year (or, if not on a business day, on the next succeeding business day). The first dividend on the depositary shares sold in this offering will be paid on or about April 30, 2021.

Investing in the depositary shares and our preferred stock involves a high degree of risk. You should carefully consider the risks described under "Risk Factors" beginning on page 13 of this prospectus.

Neither the U.S. Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

	Per Share	Total
Public offering price(1)	\$	\$
Underwriting discount(2)	\$	\$
Proceeds, before expenses, to us(3)	\$	\$

- (1) Plus accrued dividends, if any, from the original date of issue.
- (2) See "Underwriting (Conflicts of Interest)" for a description of all underwriting compensation payable in connection with this offering.
- (3) Assumes no exercise of the underwriters' option described below.

We have granted the underwriters an option to purchase up to an additional depositary shares within 30 days from the date of this prospectus. If the underwriters exercise the option in full, the total underwriting discounts and commissions payable by us will be \$ (excluding the structuring fee), and the total proceeds to us, before payment of the structuring fee and expenses will be \$.

A prospectus in electronic format may be made available on the websites maintained by one or more of the underwriters participating in this offering and one or more of underwriters participating in this offering may distribute prospectuses electronically. The representative may agree to allocate a number of shares to underwriters for sale to their online brokerage account holders. Internet distributions will be allocated by the underwriters that will make internet distributions on the same basis as other allocations. Other than the prospectus in electronic format, the information on these websites is not part of this prospectus or the registration statement of which this prospectus forms a part, has not been approved or endorsed by us or any underwriter in its capacity as underwriter, and should not be relied upon by investors.

Listing

We will apply to list the depositary shares on the NYSE under the symbol "ALTG PR A." If this application is approved, we expect trading in the depositary shares to commence within 30 days of the initial delivery of the depositary shares to the underwriters. The underwriters have advised us that they intend to make a market in the depositary shares prior to the commencement of trading on the NYSE. The underwriters will have no obligation to make a market in the depositary shares, however, and may cease market making activities, if commenced, at any time.

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MATERIAL U.S. FEDERAL INCOME TAX CONSIDERATIONS

This section describes the material U.S. federal income tax consequences of owning the depositary shares. It applies to you only if you acquire depositary shares upon their original issuance at their original offering price and you hold your depositary shares as capital assets for tax purposes. This section does not describe other U.S. federal tax consequences, nor does it describe any tax consequences arising under the laws of any state, local or foreign jurisdiction.

This section is based on the Internal Revenue Code of 1986, as amended (the "Code"), existing and proposed regulations under the Code, and published rulings and court decisions currently in effect, all of which are subject to change. Any such change may be applied retroactively and may adversely affect the U.S. federal income tax consequences described herein.

This section does not describe all of the consequences that may be relevant to you if you are a member of a class of holders subject to special rules, including, but not limited to, tax-exempt organizations, insurance companies, banks or other financial institutions, partnerships or other entities classified as partnerships for U.S. federal income tax purposes, dealers in securities or currencies, regulated investment companies, real estate investment trusts, U.S. persons whose functional currency is not the U.S. dollar, U.S. expatriates, persons subject to the alternative minimum tax, non-U.S. holders (as defined below) subject to the Medicare contribution tax, traders in securities that elect to use a mark-to-market method of accounting for their securities holdings, and persons that will hold the depositary shares as a position in a hedging transaction, "straddle," "conversion transaction" or other risk reduction transaction.

If a partnership (or any other entity treated as a partnership for U.S. federal income tax purposes) holds Depositary Shares, the U.S. federal income tax treatment of a partner of that partnership generally will depend upon the status of the partner and the activities of the partnership. If you are a partnership or a partner of a partnership holding Depositary Shares, you should consult your tax advisors as to the particular U.S. federal income tax consequences of holding and disposing of Depositary Shares.

This discussion applies only to purchasers who purchase and hold the Depositary Shares as a capital asset within the meaning of Section 1221 of the Code (generally property held for investment).

In general, and assuming that each obligation in the Deposit Agreement and any related agreement will be performed in accordance with its terms, for United States federal income tax purposes, if you hold depositary shares, you will be treated as the owner of the underlying Series A Preferred Stock represented by those depositary shares. Accordingly, the following discussion addresses the tax consequences of owning share of Series A Preferred Stock as if you owned such shares directly rather than through the ownership interests represented by the depositary shares which are being sold in this offering.

Tax consequences may vary depending upon the particular status of an investor. Potential investors should consult with their own tax advisers in determining the specific tax consequences and risks to them of purchasing, holding and disposing of depositary shares, including the application to their particular situation of the U.S. federal income tax considerations discussed below, as well as the application of state, local, foreign or other tax laws.

U.S. Holders

For purposes of this discussion, a U.S. holder means a beneficial owner of depositary shares that is, for U.S. federal income tax purposes, (1) an individual citizen or resident of the United States, (2) a corporation (or other entity treated as a corporation for U.S. federal tax purposes) created or organized in or under the laws of the United States or of any state thereof or the District of Columbia, (3) an estate the income of which is subject to U.S. federal income taxaion regardless of its source, or (4) a trust if (i) a court within the United States is able to

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exercise primary supervision over its administration and one or more U.S. persons have the authority to control all of its substantial decisions or (ii) it has a valid election in effect under applicable U.S. Treasury regulations to be treated as a U.S. person.

Dividends. Distributions with respect to the Series A Preferred Stock will be taxable as dividend income when paid to the extent of our current or accumulated earnings and profits as determined for U.S. federal income tax purposes. To the extent that the amount of a distribution with respect to the shares of Series A Preferred Stock exceeds our current and accumulated earnings and profits, such distribution will be treated first as a tax-free return of capital to the extent of the U.S. holder's adjusted tax basis in such Series A Preferred Stock and thereafter as gain from the disposition of the Series A Preferred Stock as described under "U.S. Holders — Dispositions."

Although we presently have accumulated earnings and profits, we may not have sufficient current or accumulated earnings and profits during future years for distributions with respect to the Series A Preferred Stock to be treated as dividend income.

Distributions constituting dividend income received by an individual U.S. holder in respect of Series A Preferred Stock will be "qualified dividend income" if the Series A Preferred Stock has been held for more than 90 days during the 181-day period beginning 90 days before the ex-dividend date. Qualified dividend income is generally taxed at favorable rates applicable to long-term capital gains. In addition, if a dividend received by an individual holder that qualifies for the "qualified dividend income" rate is an "extraordinary dividend" within the meaning of Section 1059 of the Code, any loss recognized by such individual holder on a subsequent disposition of the stock will be treated as long-term capital loss to the extent of such "extraordinary dividend," irrespective of such holder's holding period for the stock.

Distributions with respect to the Series A Preferred Stock constituting dividend income paid to holders that are U.S. corporations or entities taxed as corporations will generally qualify for the dividends-received deduction if the applicable holding period is met. Corporate holders of Series A Preferred Stock should also consider the effect of Section 246A of the Code, which reduces the dividends-received deduction allowed to a corporate shareholder that has incurred indebtedness that is "directly attributable" to an investment in portfolio stock such as preferred stock.

Also, if a corporate holder of Series A Preferred Stock receives a dividend on the Series A Preferred Stock that is an "extraordinary dividend" within the meaning of Section 1059 of the Code, such holder in certain instances must reduce its tax basis in the Series A Preferred Stock by the amount of the "nontaxed portion" of such "extraordinary dividend" that results from the application of the dividends-received deduction. If the "nontaxed portion" of such "extraordinary dividend" exceeds such corporate holder's basis, any excess will be taxed as gain as if such holder had disposed of its Series A Preferred Stock in the year the "extraordinary dividend" is paid. Each domestic corporate holder of Series A Preferred Stock is urged to consult with its tax advisors with respect to the eligibility for and amount of any dividends received deduction and the application of Sections 246A and 1059 of the Code to any dividends it receives.

The availability of the reduced dividend tax rate for individuals and the dividends-received deduction for U.S. corporations are subject to certain exceptions for short-term and hedged positions and other applicable limitations. You should consult your own tax adviser regarding the availability of the reduced dividend tax rate and the dividends-received deduction in light of your particular circumstances.

Holder's Conversion Option in connection with a Change of Control. In the event of a U.S. holder's conversion of Series A Preferred Stock in connection with a Change of Control, the tax consequences of such conversion will depend, in part, upon the facts underlying the transaction in which the Change of Control occurs. A U.S. holder should consult the holder's tax advisor regarding the tax consequences to the U.S. holder of the conversion of Series A Preferred Stock under a Change of Control transaction.

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Dispositions. A U.S. holder will generally recognize capital gain or loss on a sale or exchange of the Series A Preferred Stock equal to the difference between the amount realized (which does not include any declared but unpaid distributions, which will be treated in the manner described above) upon the sale or exchange and such U.S. holder's adjusted tax basis in the securities sold or exchanged. A U.S. holder's initial tax basis in the Series A Preferred Stock will equal its cost. Such capital gain or loss will be long-term capital gain or loss if the U.S. holder's holding period for the securities sold or exchanged is more than one year. Long-term capital gains of non-corporate taxpayers are generally taxed at the same lower maximum tax rates applicable to qualified dividend income summarized above. Net capital gains of a U.S. holder other than long-term capital gains are taxed at the rates applicable to ordinary income. The deductibility of net capital losses is subject to limitations.

Although a U.S. holder receiving cash in a redemption of the Series A Preferred Stock is generally expected to be taxed in the same manner described for any other disposition, that treatment is subject to certain exceptions, particularly in the case of a holder actually or constructively owning other shares of our stock. A U.S. holder should consult its own tax adviser regarding the application of these rules in light of its particular circumstances.

Medicare Tax. In addition, a U.S. holder that is an individual or estate, or a trust that does not fall into a special class of trusts that is exempt from such tax, will be subject to a 3.8% Medicare tax on all or a portion of its "net investment income", which will generally include its dividend income and its net gains from the disposition of Series A Preferred Stock, unless such dividend income or net gains are derived in the ordinary course of the conduct of a trade or business (other than a trade or business that consists of certain passive or trading activities). If you are a U.S. holder that is an individual, estate, or trust, you are urged to consult your tax adviser regarding the applicability of the Medicare tax to your income and gains in respect of your investment in the Series A Preferred Stock.

Backup withholding on U.S. holders. U.S. holders may be subject to backup withholding with respect to the payment of dividends on the Series A Preferred Stock and to payments of proceeds on the disposition of the Series A Preferred Stock unless such U.S. holders provide proof of an applicable exemption or a correct taxpayer identification number, and otherwise comply with applicable requirements of the backup withholding rules.

Any amount withheld under the backup withholding rules from a payment to a U.S. holder is allowable as a credit against such holder's U.S. federal income tax, which may entitle the U.S. holder to a refund, provided that the U.S. holder provides the required information to the Internal Revenue Service (the "IRS") in a timely manner. Moreover, certain penalties may be imposed by the IRS on a U.S. holder who is required to furnish information, but does not do so in the proper manner.

Information reporting. Information returns will generally be filed with the IRS in connection with the payment of dividends on the Series A Preferred Stock to non-corporate U.S. holders and certain payments of proceeds to non-corporate U.S. holders on the disposition of the Series A Preferred Stock.

Non-U.S. holders

The discussion in this section is addressed to non-U.S. holders of the Series A Preferred Stock. For this purpose, a non-U.S. holder is a beneficial owner of Series A Preferred Stock other than a U.S. holder or partnership.

Dividends. Generally, dividends paid to a non-U.S. holder with respect to the Series A Preferred Stock will be subject to withholding of U.S. federal income tax at a 30% rate, or such lower rate as may be specified by an applicable income tax treaty, provided the non-U.S. holder furnishes the payor with a properly completed IRS Form W-8BEN or W-8BEN-E (or other applicable form) certifying under penalty of perjury that such holder is eligible for treaty benefits. The 30% withholding does not apply if the dividends are effectively connected with a trade or business carried on by the non-U.S. holder within the United States and, if a tax treaty applies, are

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attributable to a U.S. permanent establishment maintained by the non-U.S. holder and the non-U.S. holder provides the payor with a properly completed IRS Form W-8ECI. In such case, the dividends will generally be subject to U.S. federal income tax on a net basis at applicable individual or corporate rates and, in the case of a non-U.S. holder that is a corporation, may be subject to a "branch profits tax" at a 30% rate or such lower rate as may be specified by an applicable income tax treaty.

Dispositions. A non-U.S. holder generally will not be subject to U.S. federal income tax on gain realized on the sale or exchange of the Series A Preferred Stock unless: (1) the gain is effectively connected with a U.S. trade or business of the non-U.S. holder (and if a tax treaty applies, the gain is attributable to a U.S. permanent establishment maintained by such non-U.S. holder); (2) in the case of an individual, such non-U.S. holder is present in the United States for 183 or more days in the taxable year of the sale or disposition and certain other conditions exist; or (3) we have been a "U.S. real property holding corporation" for U.S. federal income tax purposes at any time during the five-year period ending on the date of disposition of the Series A Preferred Stock and certain other conditions are met. We believe that we are not currently, and we do not anticipate becoming, a U.S. real property holding corporation.

Cash received by a non-U.S. holder in a disposition that is in respect of dividends in arrears on the Series A Preferred Stock should generally be treated as provided under "Non-U.S. holders — Dividends."

Although a non-U.S. holder receiving cash in a redemption of the Series A Preferred Stock is generally expected to be taxed in the same manner described for any other disposition, that treatment is subject to certain exceptions, particularly in the case of a non-U.S. holder actually or constructively owning other shares of our stock. A non-U.S. holder should consult its own tax adviser regarding the application of these rules in light of its particular circumstances.

Information reporting and backup withholding on non-U.S. holders. Payment of dividends and the tax withheld with respect thereto are subject to information reporting requirements. These information reporting requirements apply regardless of whether withholding was reduced or eliminated by an applicable income tax treaty, or withholding was

not required because the dividends were effectively connected with a trade or business in the United States conducted by the non-U.S. holder. Copies of the information returns reporting such dividends and withholding may also be made available by the IRS under the provisions of an applicable income tax treaty or agreement to the tax authorities in the country in which the non-U.S. holder resides. U.S. backup withholding will generally apply on payment of dividends to non-U.S. holders unless such non-U.S. holders furnish to the payor an IRS Form W-8BEN or W-8BEN-E (or other applicable form) certifying, under penalty of perjury, that the person is a non-U.S. person, or such non-U.S. holders otherwise establish an exemption.

Payment by a U.S. office of a broker of the proceeds of a sale of the Series A Preferred Stock is subject to both backup withholding and information reporting unless the non-U.S. holder, or beneficial owner thereof, as applicable, certifies that it is a non-U.S. holder on IRS Form W-8BEN or W-8BEN-E (or other applicable form), or otherwise establishes an exemption. Subject to certain exceptions, backup withholding and information reporting generally will not apply to a payment of proceeds from the sale of the Series A Preferred Stock if such sale is effected through a foreign office of a broker without certain specified U.S. connections.).

FATCA withholding

Pursuant to sections 1471 through 1474 of the Code, commonly known as the Foreign Account Tax Compliance Act ("FATCA"), a 30% withholding tax ("FATCA withholding") may be imposed on certain payments to a holder or to certain foreign financial institutions, investment funds and other non-U.S. persons receiving payments on the holder's behalf if the holder or such persons fail to comply with certain information reporting requirements. Such payments will include U.S.-source dividends. Payments of dividends received in respect of the Series A Preferred Stock could be affected by this withholding if a holder is subject to the FATCA information reporting requirements and fails to comply with them or holds the Series A Preferred Stock through

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a non-U.S. person (e.g., a foreign bank or broker) that fails to comply with them (even if payments to the holder would not otherwise have been subject to FATCA withholding). Holders should consult their own tax advisors regarding the relevant U.S. law and other official guidance on FATCA withholding, including the possible application of an intergovernmental agreement that alters the general FATCA requirements.

If any amount of, or in respect of, U.S. withholding tax were to be deducted or withheld from payments on the Series A Preferred Stock as a result of a failure by a holder (or by an institution through which a holder holds the Series A Preferred Stock) to comply with FATCA, neither us nor any paying agent nor any other person would, pursuant to the terms of the Series A Preferred Stock, be required to pay additional amounts with respect to any Series A Preferred Stock as a result of the deduction or withholding of such tax. Depending on your circumstances, you may be entitled to a refund or credit in respect of some or all of this withholding. However, even if a holder is entitled to have such withholding refunded, the required procedures could be cumbersome and significantly delay the holder's receipt of any amounts withheld.

This summary is for general information only and is not intended to constitute a complete description of all tax consequences for non-U.S. holders relating to the purchase, ownership and disposition of the Series A Preferred Stock. You are urged to consult your tax advisors regarding the U.S. federal, state, local, and foreign income and other tax consequences of the purchase, ownership and disposition of the Series A Preferred Stock.