



Applications

From construction work to natural resource development, the applications for MAEDA mini cranes are limitless.
建設作業から天然資源開発まで、マエダクローラクレーンの用途は無限です。

ナックルブームクレーン	Feature Knuckle Boom Crane
バッテリー仕様クレーン	Feature Battery-powered Mini Cranes
ピック&キャリー	Feature Pick & Carry
ガラス据え付け	1. Glazing Works
狭所	2. Restricted Access
カーテンウォール取付	3. Curtain Wall Installation
屋上での作業	4. Rooftop Work
鉄筋据え付け&ビル建築	5. Steel Erection & Building Construction
公共工事	6. Civil Construction
トンネル・地下	7. Tunnel / Underground
プラント、工場、自動車工場	8. Plant, Factory & Automotive
アクセスに制限のある場所	9. Limited Access
施設設備の据え付け	10. Facility Equipment Installation
美術品の据え付け	11. Artwork Installation
航空産業	12. Aviation Industry
軍事	13. Military
石材	14. Stonework
エネルギー関連	15. Energy Related
石油&ガス産業	16. Oil & Gas Industry
鉄道	17. Railway
住宅建設	18. Residential Construction
沿岸建設、造船、船上作業	19. Marine Construction, Ship Building and On Board Ships
その他	20. Other Applications



 株式会社前田製作所
MAEDA SEISAKUSHO CO., LTD.

販売促進課
〒388-8522長野県長野市篠ノ井御幣川1095
TEL.026-292-2228 FAX.026-293-8499
www.maesei.co.jp info.maedasp@maedass.com

Overseas Sales Division
No.1095, Onbegawa, Shinonoi, Nagano-City, Nagano-Pref. 388-8522 Japan
TEL. +81(0)26 292 2230 FAX.+81(0)26 293 8499
www.maeda-minicranes.com contact@maedass.com

! 安全に関するご注意

*ご使用時は必ず取り扱い説明書をお読みください。
*クレーン作業は、日本国内においては労働安全衛生法が適用されます。日本国外において使用される場合は、各國安全規則に従ってください。

! Precautions for safe operation

* Read the Operation Manual before operating.
* For crane work, follow all regulations of the country of use relating to safe operation of the machinery.
* Models available in each country may differ.

KNUCKLE BOOM CRANE



MK3053C

Next-Gen Cranes Powering the Future of Lifting

The fully hydraulic luffing and telescopic jib allows the crane to maneuver the load into confined spaces and around obstacles, such as for equipment installation and glass fitting. This makes it possible to perform tasks in indoor environments and tight job sites where conventional straight booms cannot reach. The unit is also equipped with a hoisting winch, which enables both single-line operation and, when the jib is removed, a four-part line configuration with the straight boom for heavier lifts.

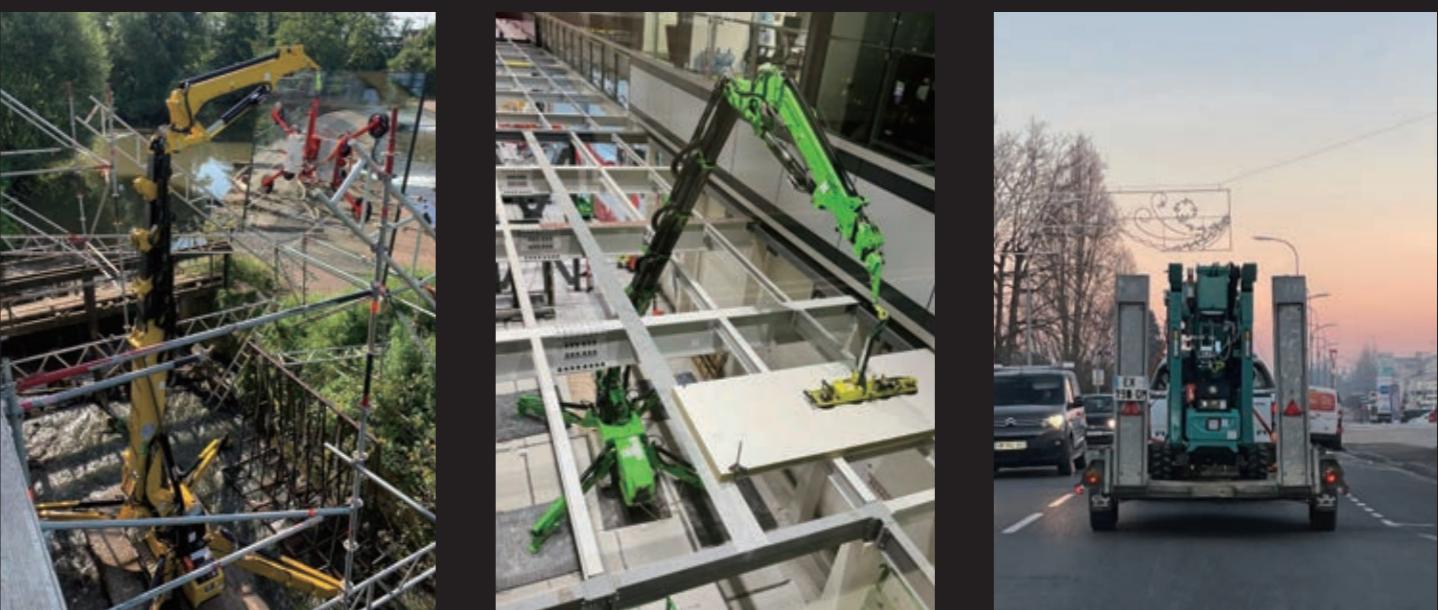
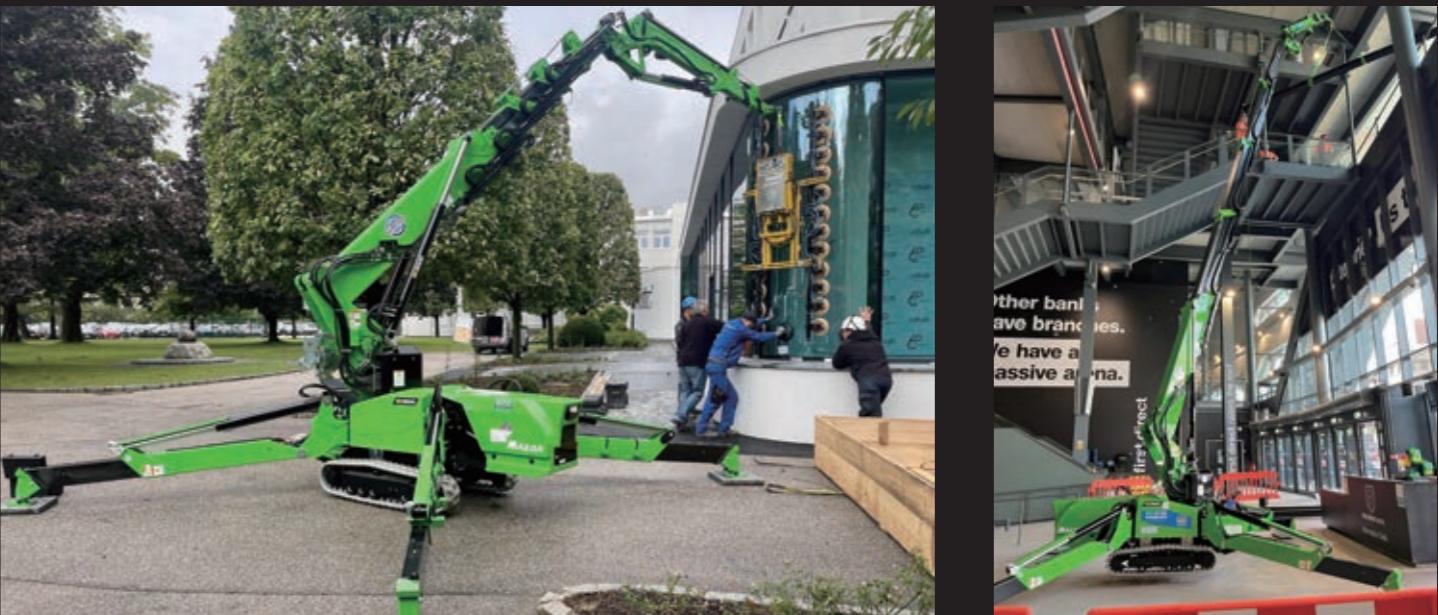
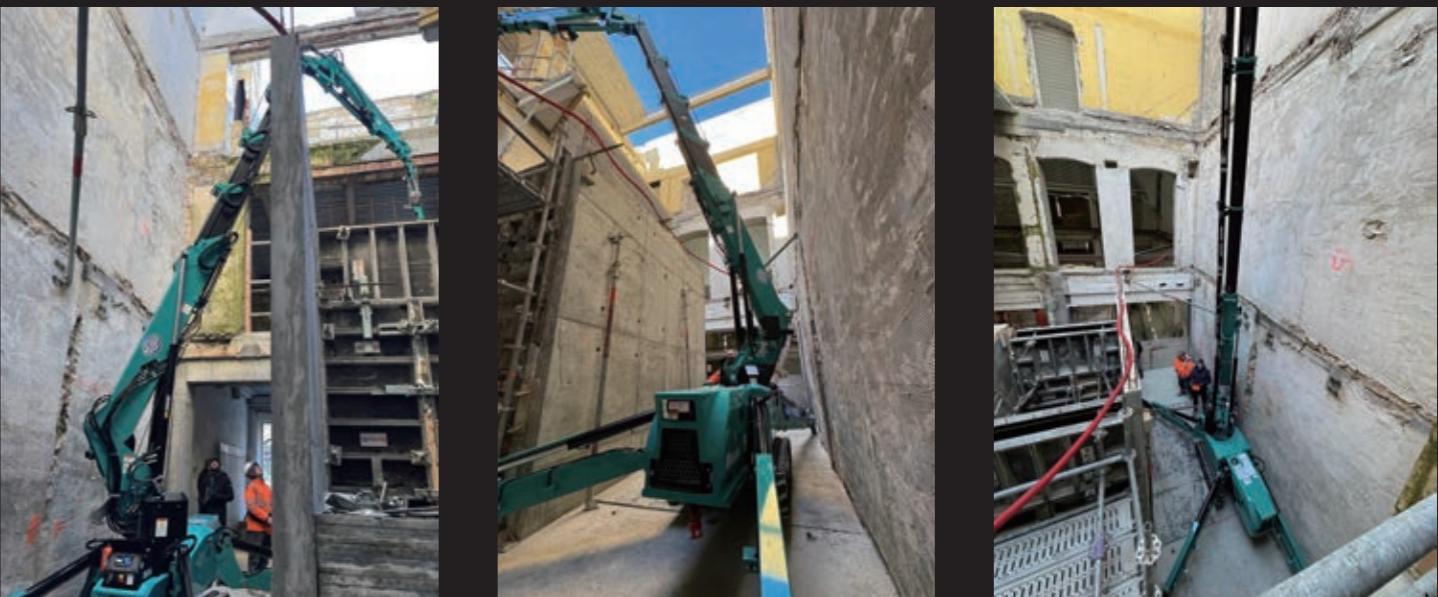
Key Features of MK3053C

- Automatic & Stepless Multi Outrigger Setting
- Fully Proportional Radio Remote Control
- Variable Crawler Gauge
- Main Boom with 4 Falls Hook Mode
- Semi-automatic Leveling
- Semi-automatic Jib & Boom Stowing
- Diesel/Diesel+Electric/Battery spec

完全油圧式屈折伸縮ジブにより、設備の据え付け、ガラスの据え付け作業など、荷物の差し込みができるので、室内作業や狭所現場等、ストレートブームでは不可能な作業を可能にします。ワインチも装備されているので、1本掛けでの使用や、ジブを取り外せば、ストレートブーム4本掛けでも使用可能です。

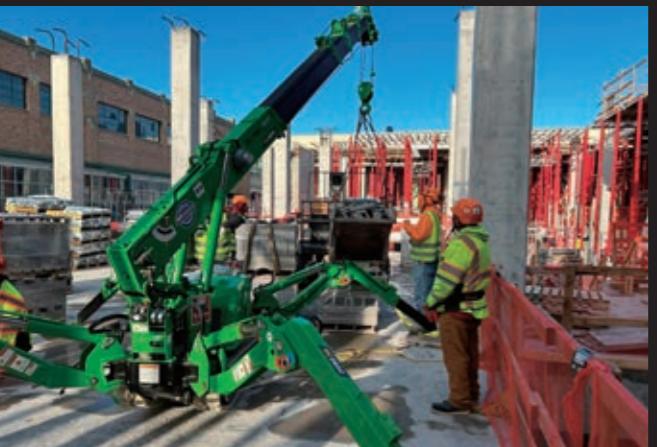
MK3053Cの特徴

- 全自動・無段階マルチアウトリガ
- 独立比例制御パドルレバー式ラジコン
- 可変ゲージ
- メインブーム4本掛け
- アウトリガ自動水平レベリング
- ジブ&ブーム自動格納
- ディーゼル/電動併用/バッテリーの3スペック



Battery-powered Mini Cranes with minimal environmental impact

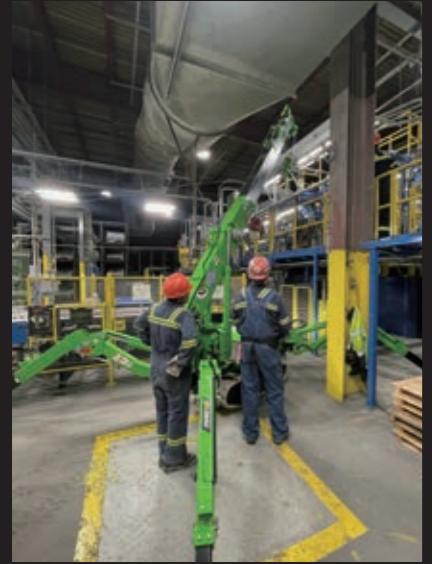
Powered by batteries, this crane offers zero emissions and low noise, making it ideal for indoor operations and urban construction sites. Its smooth handling and strong lifting capacity ensure both efficiency and safety, while contributing to a more sustainable work environment.



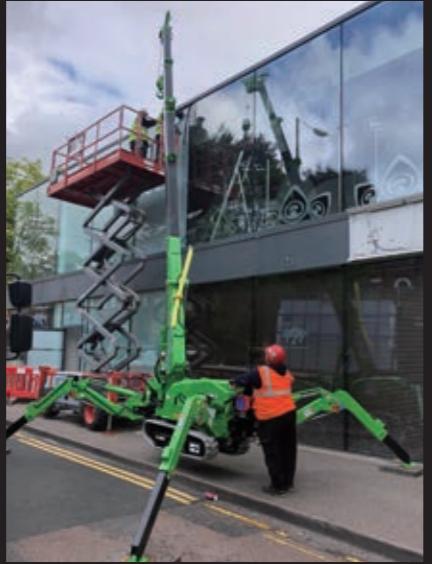
MC285CB



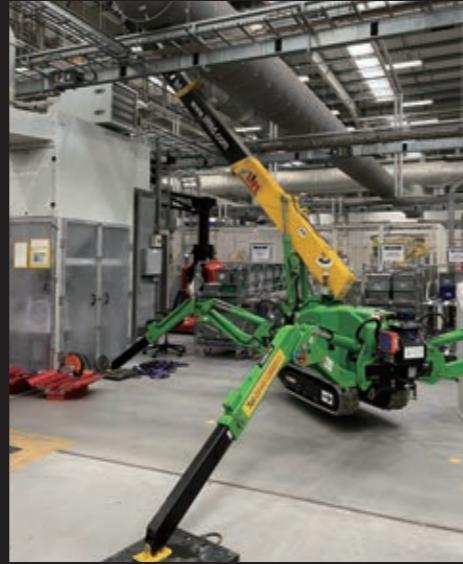
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MC305CB



MK3053CB



CC985



CC985



MC815C



CC1485

Pick & Carry ピック & キャリー

One single machine can both lift and transport loads, greatly improving work efficiency. It's versatile and perfect for tasks like moving materials short distances at construction sites, installing and removing equipment indoors, and handling cargo in ports and warehouses.

荷物の吊り上げから運搬までを一台でこなせるため、作業効率が向上します。建設現場での資材の短距離移動、屋内設備の搬入・搬出、港湾や倉庫での荷役作業など用途は様々です。

1. Glazing Works ガラス据え付け

By utilizing vacuum glass handlers suspended from the hook block or mounted on a searcher hook, glazing can be precisely installed even in tight spaces directly under a roof. This is a popular application in indoor, confined, or narrow spaces, and along narrow pathways.

The MK knuckle boom series was developed to achieve even greater efficiency in glazing work.



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MK1033C



MC405C



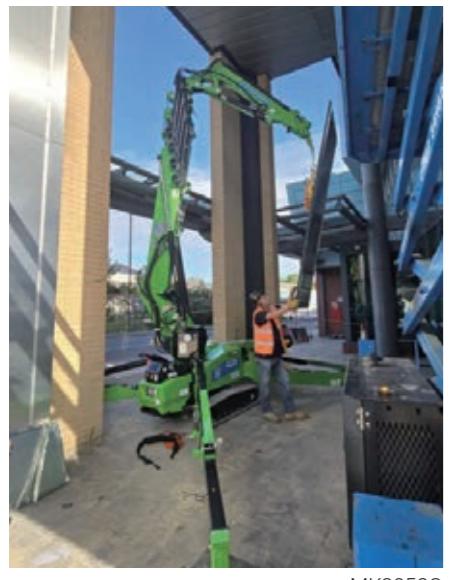
LC785



MC104C



MC305C



MK3053C



MK3053C



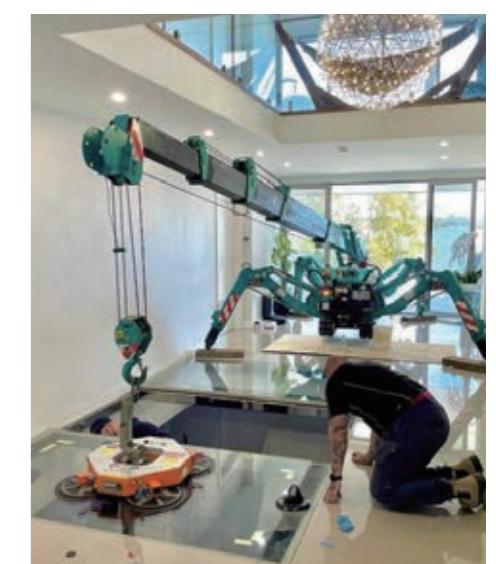
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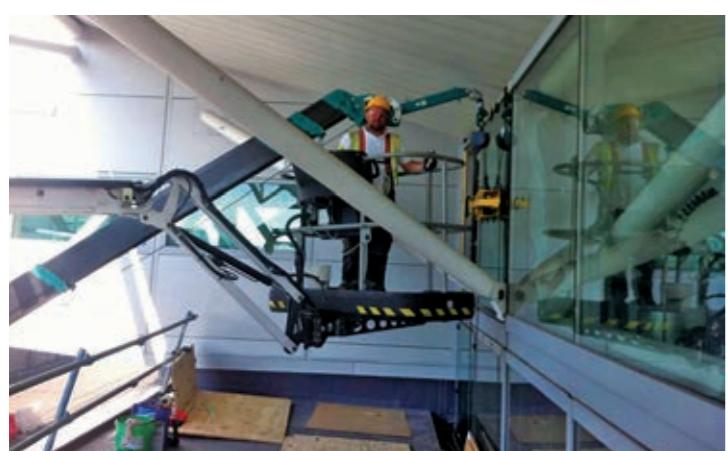
MC285



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MC285C



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MK3053C

2. Restricted Access 狹所

Even in confined places or spaces with obstacles, our mini cranes play an important role in safety thanks to their four supportive outriggers. Safety is further enhanced with the working range restriction feature, which allows for secure lifting while avoiding contact with hazards such as power lines.

Our LC/CC series, with its short tail swing advantage, is ideal for working in tight spaces that are inaccessible to larger cranes.



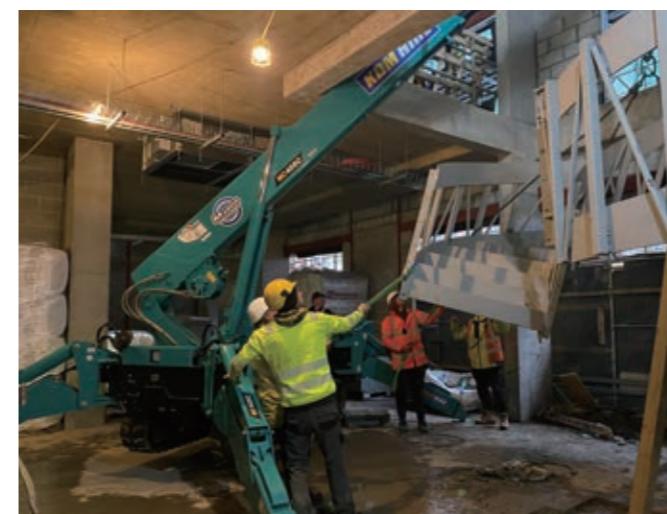
MK1033C



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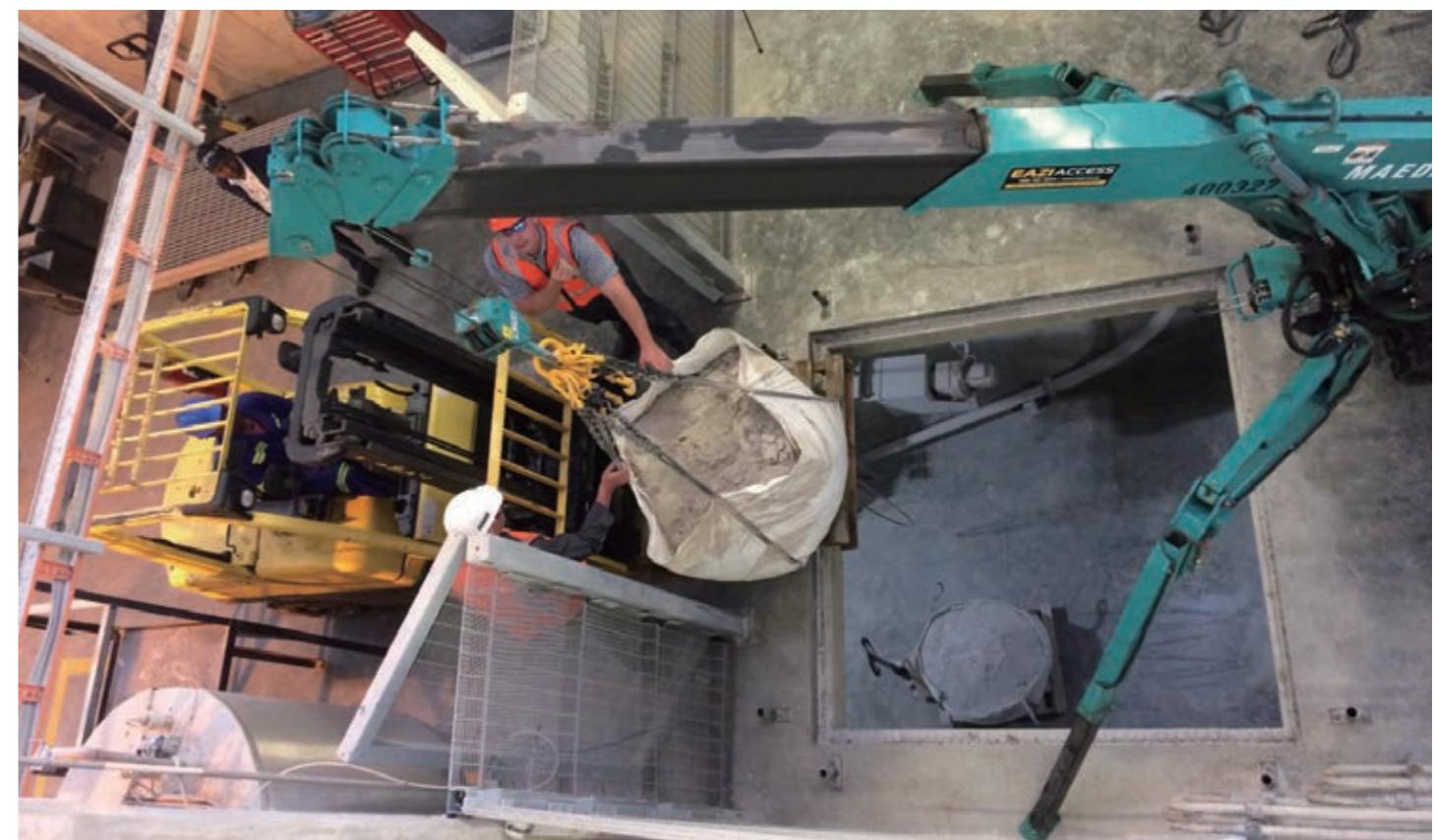
MC285C



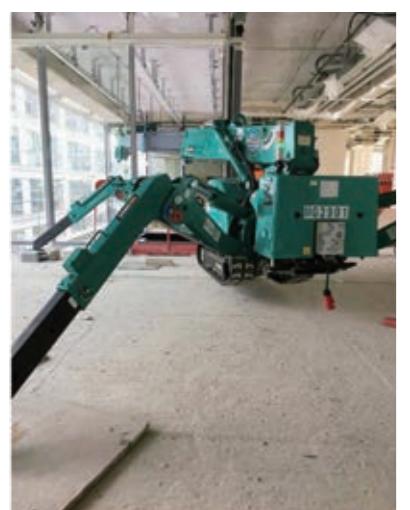
MC405C



CC985



MC285C



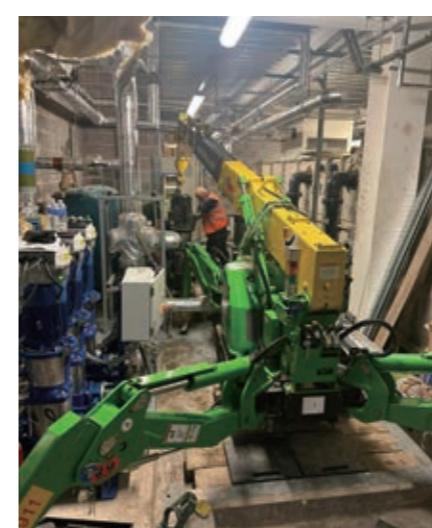
MC285C



MC305C



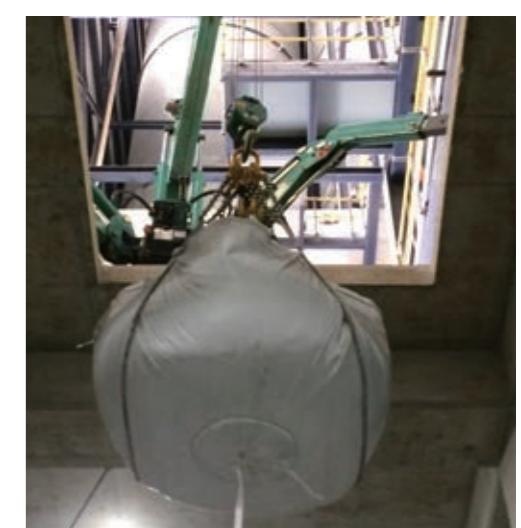
MC285C



MC285CB



MC104C



MC285C

3. Curtain Wall Installation

カーテンウォール取付

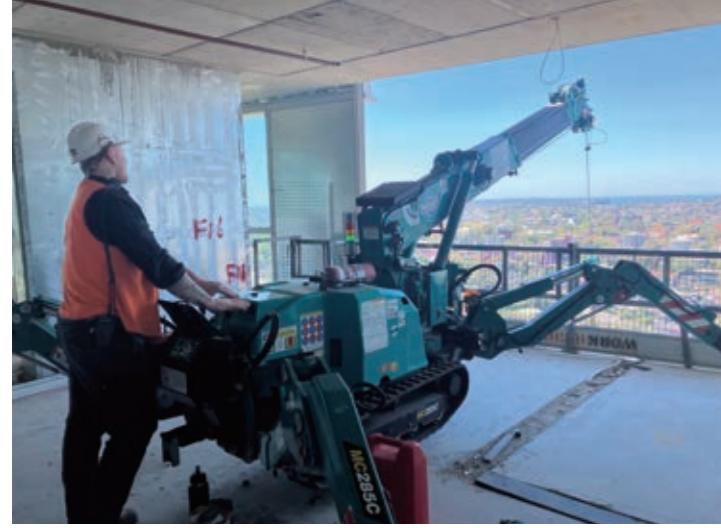
Mini cranes can be transported to the upper floors of high rise buildings by service elevators and then used to install exterior walls like glass frames by hoisting the wire rope from above in several stages. This is one of their most popular uses because it avoids the expense of tower cranes, leading to faster construction and significant cost savings.



MC285C



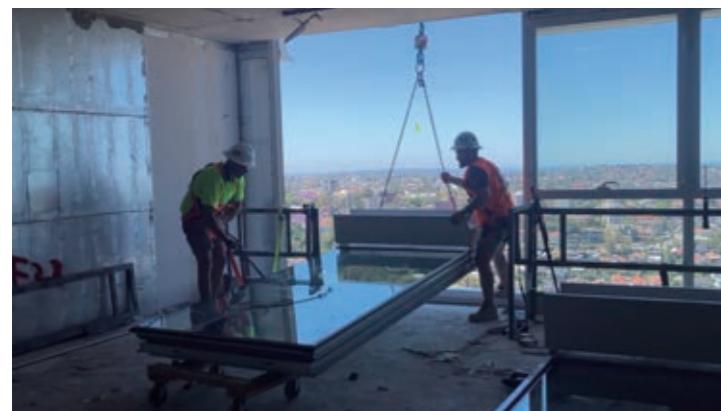
MC285C



MC285C



MC285C & MC305C



MC285C

4. Rooftop Work

屋上での作業

Lightweight mini cranes can be placed on rooftops to lift materials from the ground. There is no need to block roads for the use of bigger cranes. Plus, they can take on many tasks typically handled by tower cranes, meaning shorter construction periods and significant cost savings. The mini cranes can be lifted up to rooftops easily by tower cranes or elevators.



MC305C



MC305C



MC405C



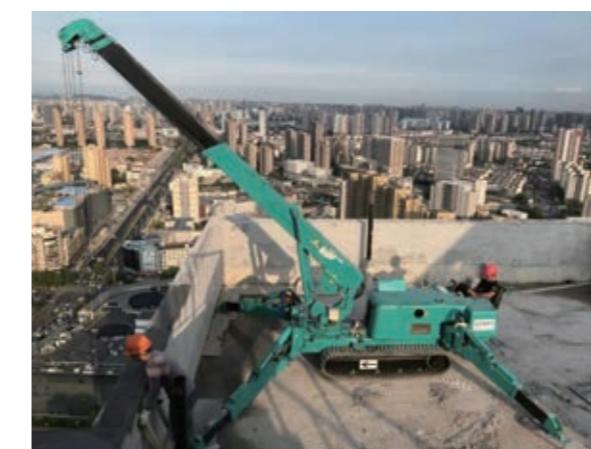
MC305C



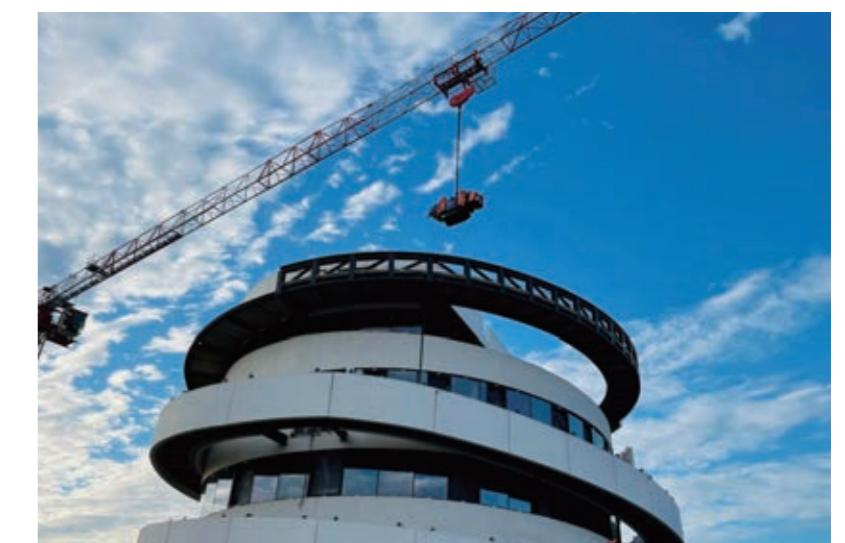
MC815C



MC305C



MC305C



MC285C

車体が軽いかにクレーンは、屋上からの荷上げ作業も可能です。大型クレーンのように道路を封鎖する必要もありません。従来タワークレーンで行っていた作業もかにクレーンを使えば工期短縮、コスト削減が図れます。タワークレーンなどでかにクレーンを吊上げて簡単に運べます。

5. Steel Erection & Building Construction 鉄筋据え付け&ビル建築

For steel erection work both inside buildings and on rooftops.

かにクレーン、クローラクレーンは建物内部での作業や屋上での鉄骨据え付け作業、鉄塔の基礎工事などにも使用されています。



CC985



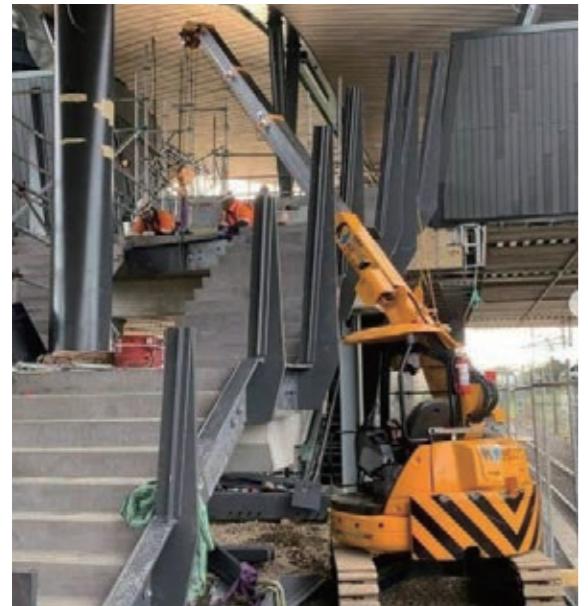
MC405C



MK305C



MC285C



CC423



MC815C



MC285C



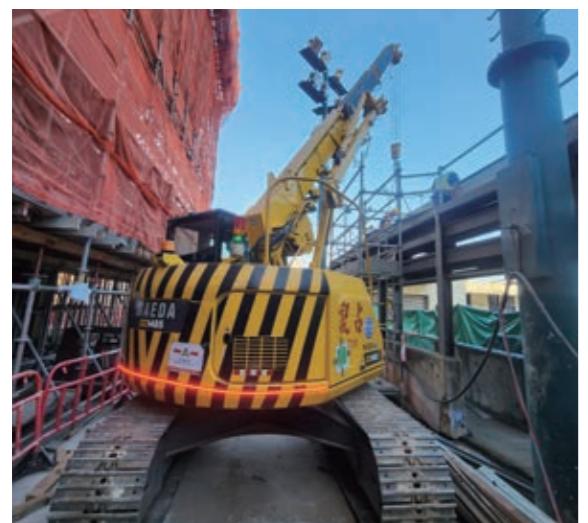
MC285C



MC305C



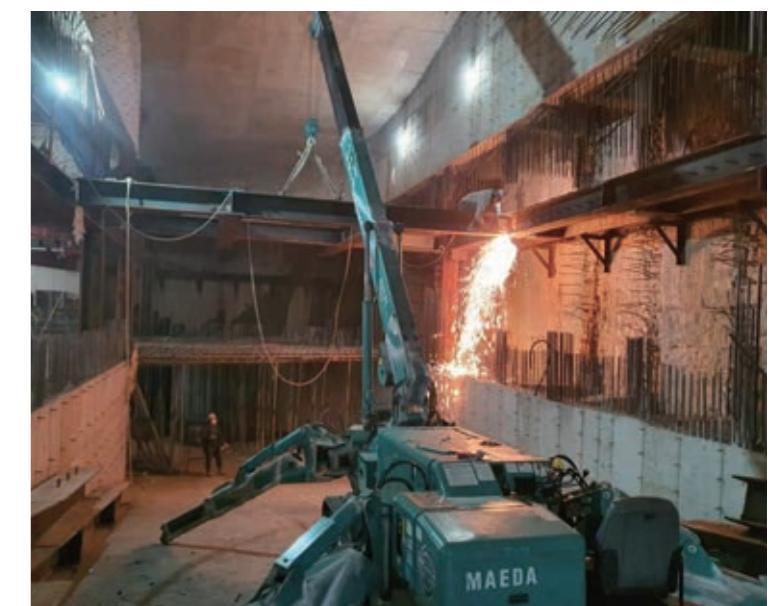
MC285C



CC1485



CC1485



MC405C

6. Civil Construction 公共工事

Lifting construction materials at a wide variety of locations, including airports, train stations, and dam construction sites, and more. With their advantageous ability to access confined spaces, our mini cranes have been used in the construction of diverse and world-famous facilities globally.



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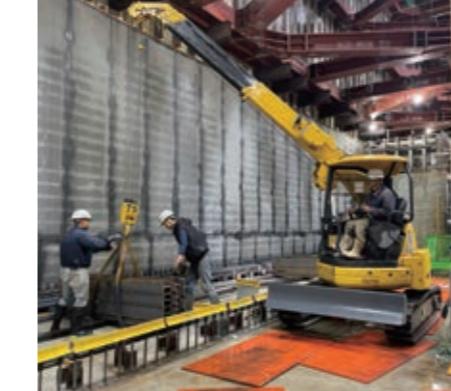
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7. Tunnel / Underground トンネル・地下

Mini cranes are frequently used for projects inside tunnels, such as subways, underground roads, and water and electrical lines where working space is limited.



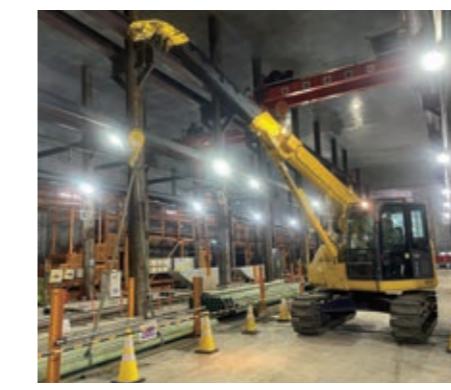
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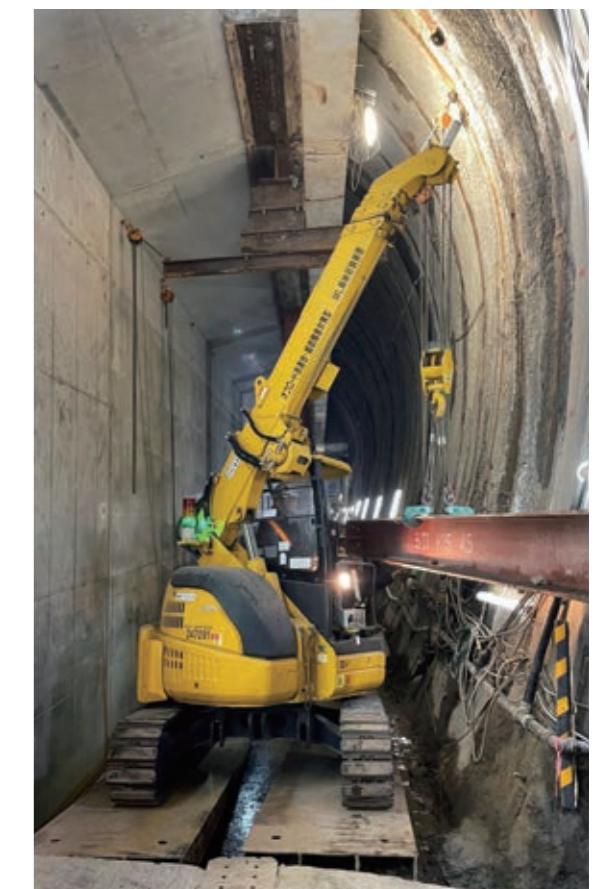
MC305C



CC1908



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8. Plant, Factory & Automotive

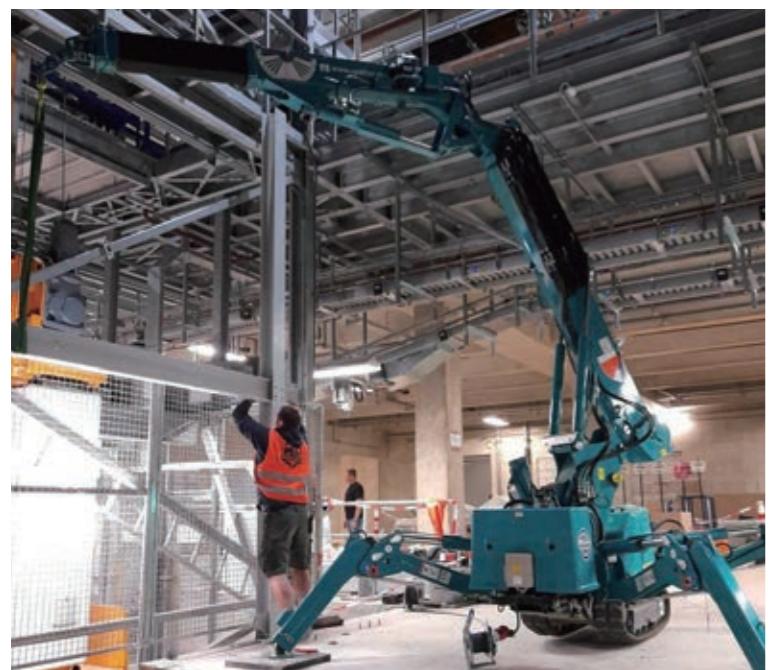
Ideal for maintenance, line replacement and material lifting where overhead cranes are unavailable, as well as places with limited space such as automotive manufacturers, chemical plants, and factories.



CC1485



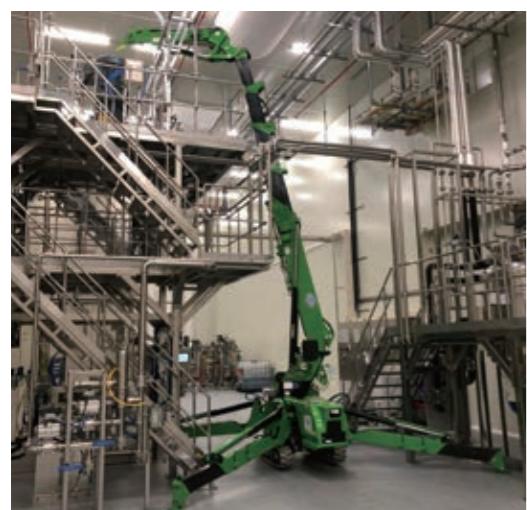
LC383



MK1033C



MC285C



MK3053C



CC985



MC305C

9. Limited Access

プラント、工場、自動車工場
天井クレーンを設置することができない自動車生産工場、化学プラント、様々な工場での設備装置のメンテナンス作業、ライン替え、資材の運搬作業にもかにクレーン、クローラクレーンは使用されています。

Our compact mini cranes can easily move through doorways for indoor work and are ideal for any restricted or narrow space. They can be brought to construction sites that would otherwise require blocking roads to accommodate a larger crane, saving you time and reducing costs.

ドアを通っての室内への移動はもちろん、狭い場所や、室内、大型クレーンを使うために道路を封鎖しなければならないような建設現場でも、コンパクトな機体のかにクレーン、クローラクレーンなら簡単に搬入することができます。



MC285C



MC285C



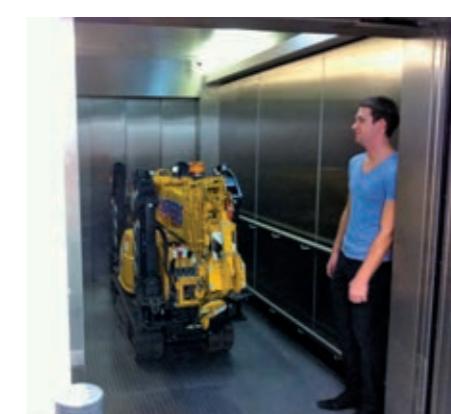
MK1033C



MC305C



CC985



MC174C



MC174C

10. Facility Equipment Installation

Thanks to their superior accessibility, Maeda's mini cranes are widely used for the installation display panels, signs, and more at large commercial buildings such as shopping malls, stadiums, and theatres.

施設設備の据え付け

ショッピングモールなどの大型商業施設やスタジアム、映画館内のディスプレイパネルや看板などの据え付け作業にもかにクレーン、クローラクレーンは活躍しています。



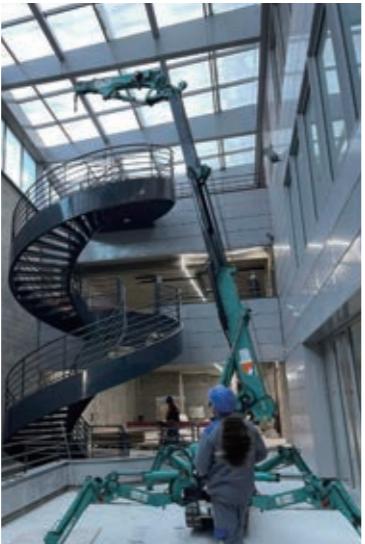
MC815C



MC104C



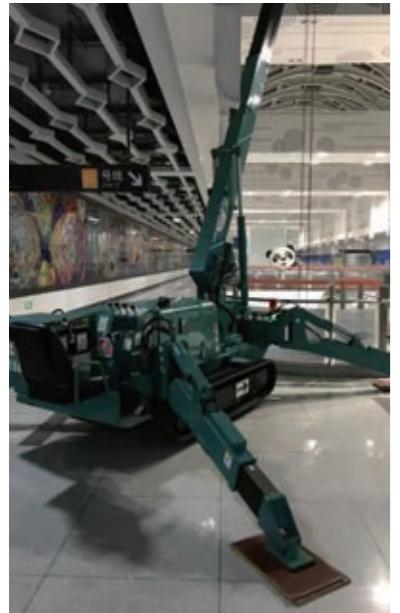
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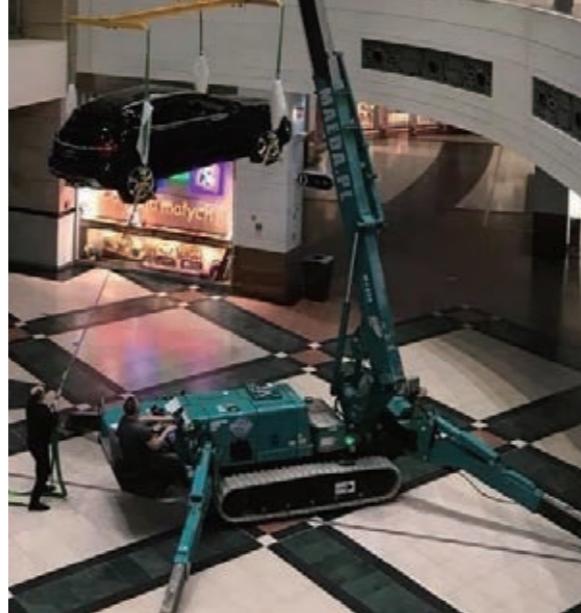
MC405C



MC405C



MC405C



MC405C

11. Artwork Installation

For artwork installation in buildings that can be difficult to access such as museums and inner courts. Smooth maneuverability makes handling of delicate artworks possible, and the electric motor power option is suitable for indoor work without exhaust fumes.

美術品の据え付け

かにクレーン、クローラクレーンは美術館や中庭などで、美術品の据え付け作業に使用されています。なめらかな操作が可能なので、安全に美術品を据え付けすることができます。排気ガスが出ない電動モーターを選択することで環境にやさしい作業が可能です。



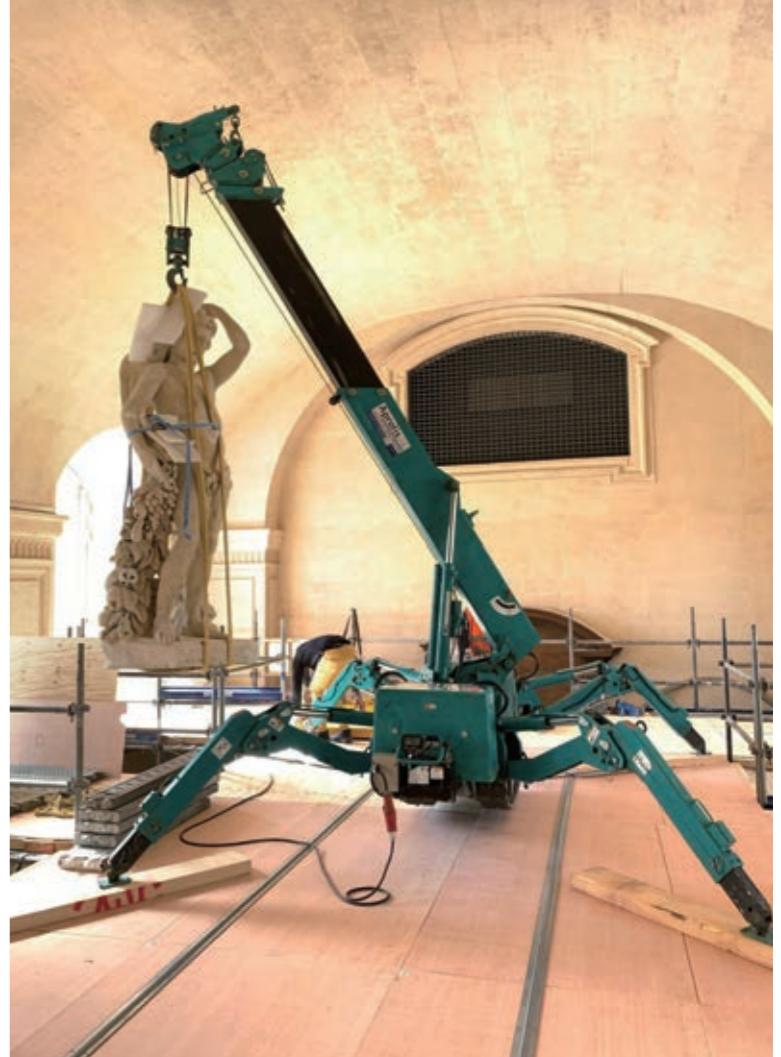
MC405C



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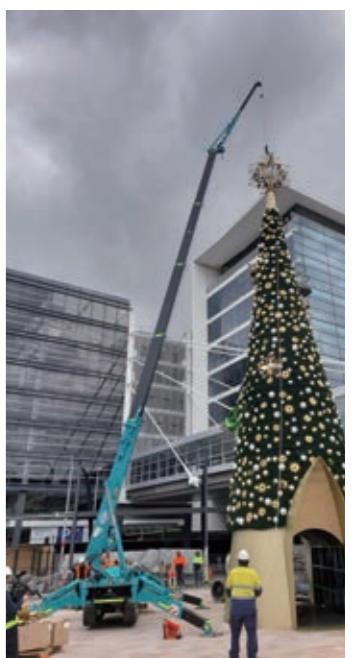
MC305C



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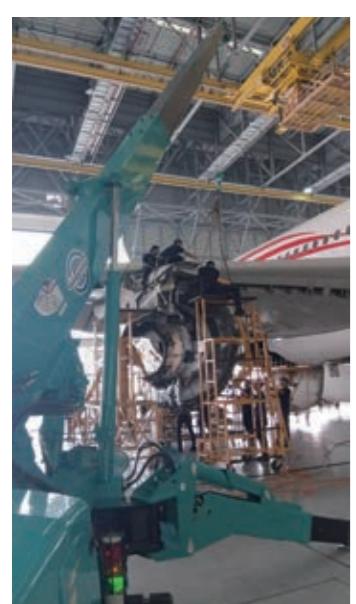
MC285C



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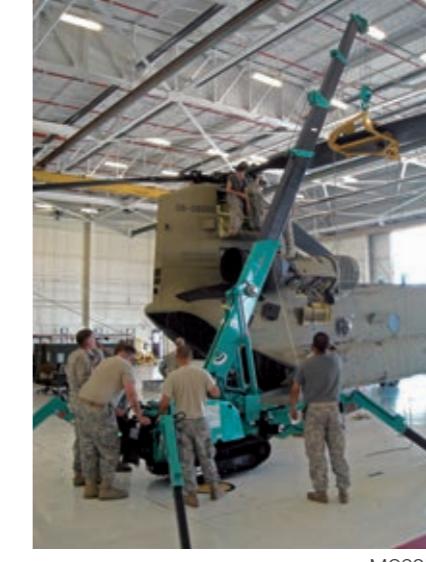
12. Aviation Industry 航空産業

For component replacement and general maintenance (dock maintenance) of aircraft and helicopters inside maintenance facilities. Our compact mini cranes are even sometimes transported via aircraft to remote locations to perform necessary maintenance work.



13. Military 軍事

For maintenance work on military helicopters. Our mini cranes are compact and lightweight, and so are often transported to remote locations.



14. Stonework 石材

Our mini crane's origins are rooted in Japan. They were developed to meet the specific need for a machine to access the extremely narrow paths found in Japanese cemeteries for installing gravestones. Today, their uses have expanded globally, including installing gravestones, garden stones, and monuments worldwide.

軍事用ヘリコプターのメンテナンス作業などにもかにクレーンは使用されています。かにクレーンはコンパクトで軽量なため、遠隔地へ輸送されて使用されることもあります。



15. Energy-Related エネルギー関連

Even at power stations and substations surrounded by overhead power lines, our computerized working range restriction feature allows safe operation while preventing the boom from coming into contact with power lines.



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MC405C



MC305C Solar Frame Erection



MC305C Solar Frame Erection

16. Oil & Gas Industry 石油&ガス産業

Due to their compact design, our mini cranes are easily transported to challenging locations like remote mining sites. They are utilized in resource development, including at oil rigs deep within jungles, as well as in refineries, gas plants, and mining facilities globally.



MC285C Plantin



LC1385 Oil Refinery

17. Railway 鉄道

For moving materials and performing maintenance work alongside or on railroad tracks.



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MC285C



CC985

18. Residential Construction

Ideal for lifting materials during residential projects, operating both inside and outside. Their compact size lets them easily operate in tight spaces like cliff edges and courtyards, which larger cranes cannot do.



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MK3053C



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19. Marine Construction, Ship Building and On Board Ships

湾岸建設、造船、船上作業

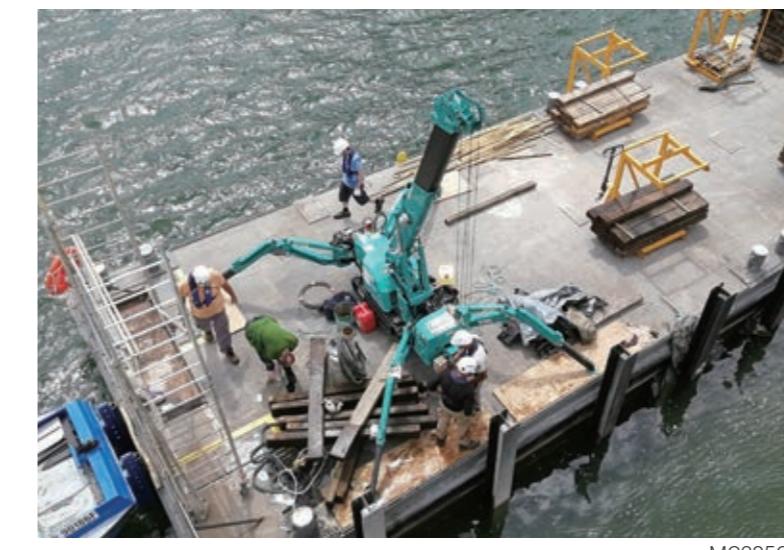
Our compact and lightweight mini cranes play an active role during lifting at coastal locations, shipyards, and on board ships.



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CC1485



MC285C



MC405C



MC305C



MC815C

20. Other Applications その他

These compact machines are being used for applications beyond our imagination and are pioneering new construction methods.

コンパクトな機体は我々が想像もしない用途で使われ、機械自身が新しい工法を生み出しています。

