

NEW PRODUCT NEWS: COMACCHIO

THE NEWEST ADDITION TO COMACCHIO'S MC LINEUP: THE MC 20 A



Introduced at the end of 2020, the MC 20 A is the latest addition to its renowned MC line-up of micropiling and anchoring drill rigs, developed with a focus on heavy-duty shoring projects.

The newly designed MC 20 A is a compact drilling rig in the 46,000 lbs weight class. Its standard configuration incorporates a heavy-duty carousel, which allows for the mechanized handling of drill rods and casings, offering increased productivity and improving operation safety. Thanks to the Comacchio proprietary all-in-one radio control system, allowing for the control of all rig functions, including rod handling, the entire work cycle can be performed by one person instead of two or three. The carousel ensures that even boreholes that are out of hand-feed range can be easily reached without the need for additional equipment.

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The carousel can handle up to nine pairs of rods and casings with variable diameters, up to 9'10" long, reaching a maximum drill string length of 98'5". No adjustment of the gripper system is required when changing from one diameter to the other. When the drilling and grouting are completed, the carousel remains fully loaded and ready for the next borehole, without requiring manual handling of the drilling tools. The design of the machine incorporates an advanced articulation system, ensuring a wide range of movements and allowing the MC 20 A to reach the lowest entry point for horizontal and subhorizontal drilling. The fully articulated kinematics and enhanced stability of the rig allow for safe work even in confined spaces. The MC 20 A can reach 18'5" stroke, thus allowing for the use of longer drilling equipment. The rig also adapts to vertical drilling, covering also front-the-wall positions. The mast can be equipped with double or triple clamps, including Comacchio's patented casing extractor.

The heavy-duty design of the MC 20 A is based on the robust oscillating undercarriage that adapts to ground irregularities and offers flexible positioning and enhanced stability. The rig is equipped with a new generation Cummins QSB6.7 engine providing 285 HP and complying with the latest EU Stage V / US EPA Tier 4 FINAL standards, allowing to run simultaneously a 55 gpm flushing pump and a dual head system. The dual system can be configured as rotary-rotary or rotary-drifter, providing up to 23,600 lb*ft torque on the lower rotary head. A vast selection of single rotary heads and powerful hydraulic drifters are also available. Thanks to the powerful engine and the wide range of accessories, the MC 20 A can be customized according to the client's needs.

The MC 20 A is part of the Comacchio High Tech Line. The advanced modular hydraulic system ensures that the power is managed to maximize performance under the actual operating conditions, reducing energy consumption and preventing engine overloads. The use of the most advanced engine design and post-treatment technology, combined with an intelligent electronically controlled

heat dissipation system, offers enhanced efficiency and reduces environmental impact in terms of noise, emissions and fuel consumption. ▲