Half a century since the invention of the Artiglio and eleven years since the introduction of "Leva la leva" (leverless) technology, CORGHI sets the benchmark higher once again with the ARTIGLIO MASTER CODE.

With automatic wheel dimension acquisition enabling automatic tool positioning, and the invaluable Smart Corghi System demounting procedure, the MASTER CODE rewrites the rule book for tire changers, demonstrating once again Corghi’s unrivalled ability to continuously steer the evolution of the sector.

The goals set for these new machines were to achieve an even higher degree of automatism, to increase performance and efficiency with all wheel types and to reduce the use of that increasingly precious commodity – time. The computerised Touch Screen system guides the operator through all procedures and suggests the best possible solution to any problem encountered.

MASTER CODE is compatible with all tire types, from Run Flat-UHP tires to both small and large balloon tires.

This latest creation from CORGHI - THE ONLY INNOVATOR IN THE TIRE CHANGER SEGMENT - makes work safer, simpler and quicker for the tire service professional while ensuring total protection for the rim and tire.
WHEEL DATA SELF-ACQUISITION
SMART CORGHI SYSTEM
DUAL BEAD BREAKER WITH CONTROLLED PENETRATION
AUTOMATIC LUBRICATION DIRECTLY ON THE BEAD
MOBILE CONTROL CONSOLE
INTERACTIVE TOUCH SCREEN
NEW INTELLIGENT ELECTROMECHANICAL TURNTABLE
INTEGRATED FULLY ARTICULATED LIFTER
TPMS DISPLAY
BEAD DEPRESSOR
LATEST GENERATION INVERTER MOTOR
"INFLATRON" ELECTRONIC INFLATOR
VIDEO CAMERA WITH IMAGE RECALLABLE FROM SCREEN AT ANY TIME DURING WORK
TREAD DEPTH PROBE
TIRE TEMPERATURE SENSOR
ERGONOMIC PEDAL CONTROLS
1 WHEEL DATA SELF-ACQUISITION
- self acquisition of wheel dimensions
- automatic tool positioning
- intelligent and very user friendly
- three wheel type settings
- quick
- safe
- ergonomic
- AUTOMATIC or MANUAL work cycle selection

2 SMART CORGHI SYSTEM
- Smart Corghi System demounting procedure
- minimised tire stress
- absolutely NO contact with rim!!!
- automated, synchronised tire demounting and mounting

3 DUAL BEAD BREAKER WITH CONTROLLED PENETRATION
- dual pneumatic bead breaker penetrator
- maximum rigidity
- maximum efficiency and precision
- dual opposed bead breaker discs with separately controlled cylinders
4 AUTOMATIC DIRECT LUBRICATION
- Automatic direct lubrication of lower and upper bead
- Direct lubrication during dynamic bead breaking ensures maximum efficiency even with most stubborn tires

5 MOBILE CONTROL CONSOLE
- Freely adjustable mobile control console
- Simple, quick and intuitive controls
- Extreme user friendly manual cycle

6 INTERACTIVE TOUCH SCREEN
- Interactive multifunctional TFT-LCD TOUCH SCREEN interface with microprocessor control
- USB port for software databases update, and for loading files and videos
- Playback capability for demonstration videos
- Scheduled maintenance reminder, self-diagnosis, sensor state check and fault indication
- Online help with instruction manual and special procedures (WDK, BSR, RFT, UHP)

7 NEW INTELLIGENT ELECTROMECHANICAL TURNTABLE
- Intelligent electromechanical turntable
- New patented wheel clamp system
- Fast
- Simple
- Reliable for all wheel types (comes equipped with additional specific flanges)
8 INTEGRATED LIFTER
- integrated fully articulated lifter with 85 Kg max. load capacity

9 INTEGRATED TPMS
- for checking functionality of sensors and viewing important information

10 BEAD DEPRESSOR
- bead depressor with adjustable working height
- depressor shape ideal for RFT tires
- WDK homologated
<table>
<thead>
<tr>
<th>No.</th>
<th>Feature Description</th>
</tr>
</thead>
</table>
| 11  | **LATEST GENERATION INVERTER MOTOR**  
- second speed also available in reverse rotation mode  
- torque control  
- controlled acceleration curve to safeguard tire                                                                                     |
| 12  | **"INFLATRON" ELECTRONIC INFLATOR**  
- integrated, automated inflation and deflation system  
- permits automatic inflation of tire while operator performs other operations for optimised time use  
- overpressure inflation for bead insertion  
- touch screen user interface  
- Bar, PSI and kPa scales  
- end of cycle indicator                                                                                                            |
| 13  | **VIDEO CAMERA WITH IMAGE RECALLABLE FROM SCREEN**  
- video camera activatable during operations, positioned for a clear view of the lower side of the tire                                                                                     |
| 14  | **TREAD DEPTH PROBE**  
- tread depth measurement  
- tread depth values: shown with yellow background to indicate values near minimum limit  
- tread depth values: shown with red background to indicate values below minimum limit                                                                 |
| 15  | **TIRE TEMPERATURE SENSOR (IN ACCORDANCE WITH WDK REQUISITES)**  
- real-time tire and bead temperature sensor  
- maximum measurement speed and precision (resolution 0.1°C), with value displayable in Centigrade or Fahrenheit  
- intuitive colour-based temperature indication in accordance with WDK requisites for working with RFT and UHP tires  
- temperature measurement  
- 20-25°C, green = work on tire may proceed normally  
- 15-19 and 21-30°C, yellow = proceed with caution  
- <15 and >30°C, red = do not work on tire
### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td><strong>Wheel dimension range</strong></td>
<td></td>
</tr>
<tr>
<td>rim diameter</td>
<td>from 13” to 32”</td>
</tr>
<tr>
<td>maximum tire diameter</td>
<td>47,2” (1200 mm)</td>
</tr>
<tr>
<td><strong>Technical features</strong></td>
<td></td>
</tr>
<tr>
<td>clamping</td>
<td>automatic</td>
</tr>
<tr>
<td>drive system</td>
<td>2-speed inverter motor</td>
</tr>
<tr>
<td>torque</td>
<td>885 ft/lb (1200 Nm)</td>
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<tr>
<td>rotational speed</td>
<td>7–20 rpm</td>
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<tr>
<td><strong>Bead breaking</strong></td>
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<tr>
<td>maximum bead breaking range</td>
<td>19”</td>
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<tr>
<td>upper bead breaker force</td>
<td>1641,1 lb (7300 N)</td>
</tr>
<tr>
<td>lower bead breaker force</td>
<td>1641,1 lb (7300 N)</td>
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<tr>
<td><strong>Contactless demounting/mounting tool set</strong></td>
<td></td>
</tr>
<tr>
<td>Wheel lifter load capacity</td>
<td>187,4 lb (85 Kg)</td>
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<tr>
<td><strong>Power supply</strong></td>
<td></td>
</tr>
<tr>
<td>electric 1Ph</td>
<td>230V–0.98 kW 50Hz/60 Hz</td>
</tr>
<tr>
<td>electric 1Ph (alternative)</td>
<td>115V–0.98 kW 50Hz/60Hz</td>
</tr>
<tr>
<td>pneumatic operating pressure</td>
<td>116 to 145 psi (8 to 10 bar)</td>
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<tr>
<td><strong>Weight</strong></td>
<td>1311,8 lb (595 Kg)</td>
</tr>
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</table>

The manufacturer reserves the right to modify the features of its products at any time.

### VERSIONS

<table>
<thead>
<tr>
<th></th>
<th>Lifter</th>
<th>Bead depressor</th>
<th>Lubricator</th>
<th>Video camera</th>
<th>Inflator</th>
<th>Tread probe</th>
<th>Temperature sensor</th>
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<tbody>
<tr>
<td><strong>BASE</strong></td>
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<tr>
<td><strong>SLIDE</strong></td>
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<tr>
<td><strong>VISUAL</strong></td>
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<tr>
<td><strong>VISUAL L</strong></td>
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<td>●</td>
<td>●</td>
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<tr>
<td><strong>INSPECTION</strong></td>
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<td>●</td>
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<tr>
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<tr>
<td><strong>COMPLETE</strong></td>
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