



Volumec Drilltronic Drilling & Tapping Machines 415v



The Volumec Drilltronic is an articulated arm drilling and tapping machine with a high performance brushless motor. Optionally, the machine can be supplied with a table or be mounted on a floor stand. In its basic form the machine is positioned manually but when fitted with the optional Volumec Assisted Positioning System (VAPS) the machine will automatically lock at the programmed position. VAPS allows easy programming from the control in X and Y coordinates for square or rectangular parts or in diameter and angle between holes for circular workpieces.



DT134500

Machine Features

- Articulated arm drilling, tapping and countersinking
- Easy manual positioning
- High performance brushless motor
- Infinitely variable drilling speed
- Manual drilling feed
- Quick change tooling system

Optional Equipment

- VAPS assisted control system
- VAPS-Z automated drilling on the Z axis
- Column for floor mounting
- Workbench with tee slots (1800 x 1000mm or 1200 x 800mm)
- Spray mist coolant system
- Flood coolant system
- Laser pointer
- High precision depth sensor
- LED sensor for edge finding in stainless steel

Optional Extras

VAPS - Assisted Control System

Thanks to the new control-system VAPS (Volumec ® Assisted Positioning System), with the easy and intuitive touch-screen panel, it is possible to perform drilling and tapping operations, at pre-established measure, without the need of manual tracing as in traditional drills - VAPS features:

- Quick identification of the work piece position (zero search).
- Assisted positioning of the tool on the work surface with automatic locking at the reached measure.
- Intuitive programming of drilling on more points (X, Y, tool diameter)
- Creation and saving of drilling cycles on parts of every shape
- Automatic calculation of drilling on flanges based on radius and angle between holes
- Drilling programming is also possible in AUTO-LEARNING mode
- Automatic threading by setting pitch and depth
- Positioning and drilling also in MANUAL mode
- Import / export drilling programs via USB-Port
- PC connections via LAN-port



VAPS-Z - Automatic Drilling on Z-Axis (only for VAPS version)

With this control version, furthermore all the VAPS functions, it's possible to make automatic drills at desired speed and depth.

Main Functions

- Automatic tool descending/Ascending at the desire depth (setting on the control)
- Cutting speed regulation (setting on the control)
- Automatic drill with stop to swarf dump.
- Arm descending/Ascending at the desired quota
- Setting tool on the piece
- Motorization Brushless with encoder for positioning control
- Maximum quotas sensor



Fixed-Floor Column

Lifting column designed for be fixed on the ground. Manual pilotage through screwdriver (automatic version on request).

- Weight 215kg.
- Based 300x300mm
- Course 715mm



Lubrication System

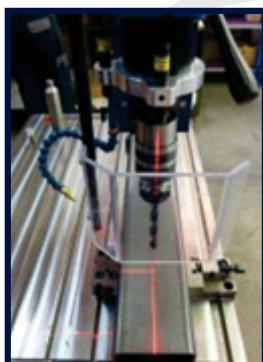
Drilltronic can be supplied with automatic lubrication system. With this system it is possible to ensure a correct and constant inflow of nebulisation oil on the tool.

The intensity of the flow, the amount and the amplitude of the nebulised liquid can be easily adjusted.



Laser Sighting System

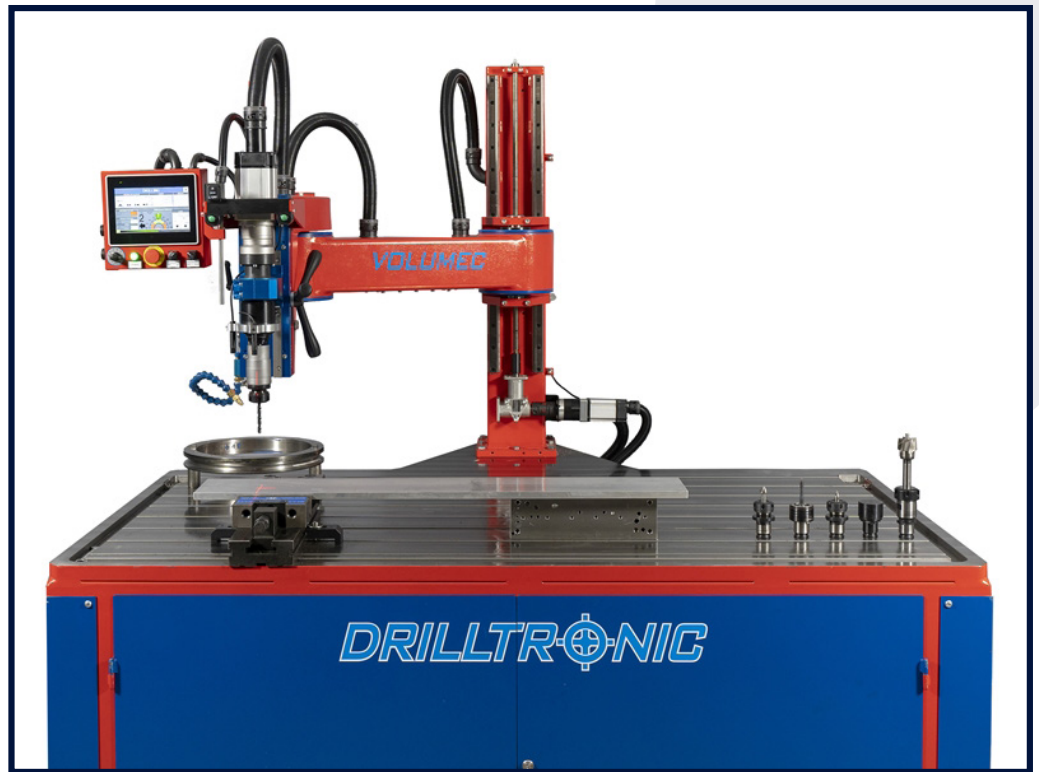
Thanks to the laser pointing system you have the possibility to identify with precision the drilling/ tapping point.



High Precision Depth Sensor

Allows drilling and tapping to the desired depth even in the manual version.





TECHNICAL SPECIFICATIONS

MODEL		DT13100	DTS161250	DT134500
Drilling Speed Range	RPM	100 - 1000	30 - 1250	125 - 4500
Drilling Capacity with Twist Drill	mm	3 - 13	3 - 16	3 - 10
Maximum Drilling Capacity with Cutter	mm	20	30	15
Tapping Capacity		M3 - M12	M3 - M20	M3 - M8
Column Height	mm	1060	1060	1060
Maximum Height under Drilling Head	mm	650	650	650
Maximum Distance from Column to Spindle Centre	mm	1300	1300	1300