



### Volumec Joytap 3 Tapping Machine

With thousands of machines sold and satisfied customers all over the world, Joytap is a guarantee in performance, quality and low energy consumption. Its unique technical characteristics are a result of many years of research and development and allow to made different operations with the same machine: Tapping, Screwing with couple control, insert pose/helecoil, countersinking and reaming.

### Joytap 3



### VASTC - Volumec Assisted Screwing Tapping Control (Optional)

#### Tapping

- AUTOMATIC TAPPING MODE (set the pitch - depth - speed - torque in Nm to save the tools)
- MANUAL TAPPING MODE (set tapping speed - torque in Nm to save the tools)
- COUNTING THREADS MODE.
- SALVABLE PROGRAMS, password protection.
- Easily PROGRAMMABLE trough the INTEGRATED INTERFACE.
- Store data for later re-use.
- Encoder-based control means no loss of speed and torque when tapping.

#### Screwing

- Screwing with automatic stop at the pre-set torque mode. (set speed - torque in Nm)
- Green light for screwing end indication.
- Screw centring system before screwing.
- Counter screwing.
- Password-protected salvable programs.
- Easily PROGRAMMABLE trough the INTEGRATED INTERFACE.
- Store data for later re-use.
- ENCODER-BASED CONTROL means NO LOSS OF SPEED AND TORQUE during screwing.



## VASTC-4.0 (Industry 4.0) (Optional)

The New Vastc system 4.0 (assisted screwing tapping control), it has been equipped with Wi-fi connection, so that it can be controlled easy from smartphone, computer and/or tablets:

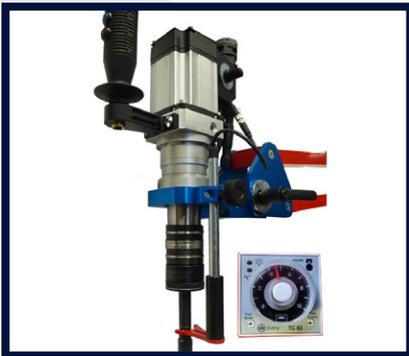
- > LAN connection, Wi-fi or sim card.
- > Sets remote screwing and tapping programs.
- > Direct download of working report to your device.
  - Data / Time
  - Number of tapping/screwing
  - Pitch / Depth
  - Torque
  - Speed
- > USB port for direct uploading/downloading of programs to your Vastc control.

## Machine Features

- New generation brushless motor G2 750 Watt (High performance without maintenance)
- Constant torque tapping speed control
- Multidirectional head with positioning magnet included
- Ergonomic rotating handle
- Triple articulated arm structure in cast aluminium and designated profile
- integrated wiring (save mobile wiring)
- Quick-connect spindle

## Optional Equipment

- Electronic Depth Sensor
- Automatic Lubrication System
- Fast Positioning Head 0-90°
- Trolley Mount Workstation
- Mobile Workstation
- Trolley with lifting column
- Heavy-Duty Workstation and additional back board
- VASTC / VASTC 4.0



**Electronic Depth Sensor (Optional)**



**Automatic Lubrication System (Optional)**



**Fast Positioning Head 0-90° (Optional)**



**Mobile Workstation (MCA001)**



**Mobile Workstation with Aluminum Top (CPA001)**



**Mobile Trolley (800mm x 800mm) (CCF100)**



**Electronic Depth Sensor (Optional)**



**Workstation (BML001)**



**Workstation Back Board (BML002A)**

## TECHNICAL SPECIFICATIONS

MODEL		JT3000	JT3150	JT3500	JT3750	JT3750M	JT3900
Tapping Capacity in Steel Metric	M	M2 - M12	M3 - M16	M5 - M24	M8 - M36	M8 - M36	M10 - M48
Tapping Capacity in Steel Imperial	Inches	0" - 1/2"	1/8" - 5/8"	5/32" - 7/8"	5/16" - 1 3/8"	5/16" - 1 3/8"	1/2" - 2"
Speed	RPM	100 - 1000	50 - 500	20 - 200	20 - 145	20 - 145	10 - 90
Working Area	mm	2000	2000	2000	2000	2000	1500
Spindle		GR2	GR2	GR2	GR3	GR3	GR4
Weight	kg	19	19	20	25	25	50