JOYTAP

Electric Tapping Machines

MADE IN ITALY PRODUCT

HIGH PRODUCTIVITY
LOW CONSUMPTION
LOW NOISE



VASTC

ASSISTED
SCREWING - TAPPING
CONTROL

TOUCHSCREEN

VOLUMEC mechanical innovations

MADE IN ITALY PRODUCT

www.volumec.it

JOYTAP

PRODUCT SPECIFICATION:

- Double and Triple balanced articulated arm made entirely of aluminum, which guarantees a fast and precise holes alignment.
- Electric motor with Brushless technology 220v.
- Large range of adjustment of the speed processing according to the tool and the type of material
- Double extraction speed (counterclockwise) set to 100% or 50% of Vmax.
- Joystick with control buttons for easy tool alignment and to speed up the execution of the work.
- Minimum noise and low electricity consumption.
- For all Joytap tapping machines the multidirectional head for tapping in any position is included
- Magnet positioning for quick alignment of the spindle.
- Balance and fluidity of movement guaranteed by gas springs and adjustable joints mounted on ball bearings.
- Possibility to tapping blind and open holes thanks to the adjustable clutch.

MULTIDIRECTIONAL HEAD

INCLUDED IN ALL TAPPING MACHINES JOYTAP THAT ALLOW TO TAPPING IN ANY POSITION



MAGNET POSITIONING FOR QUICK ALIGNMENT OF THE SPINDLE.



GRADUATED HEAD

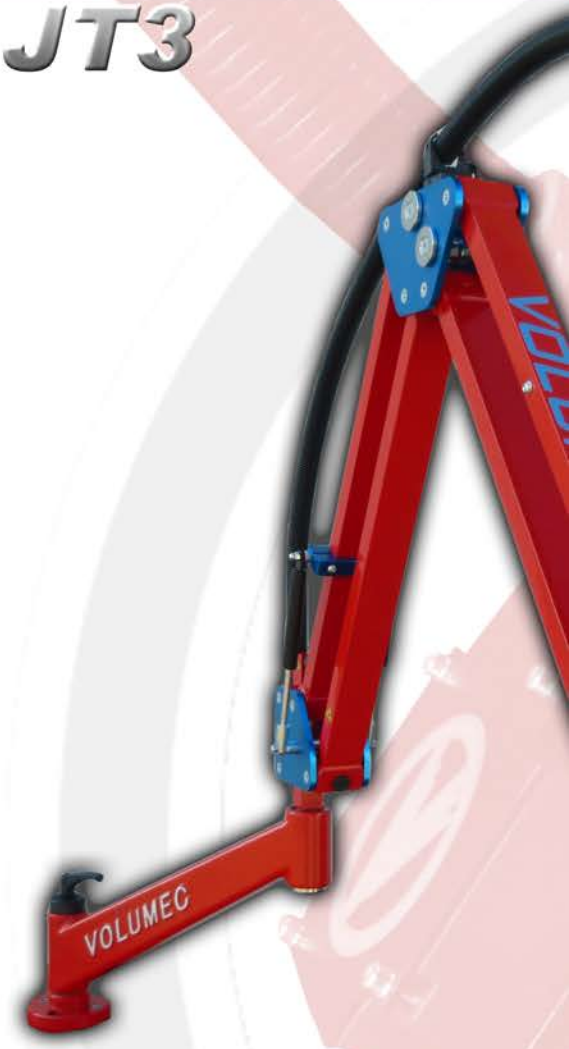


SPEED REGULATION

QUICK SPEED SETTING ACCORDING TO THE DIAMETER OF TAPPING

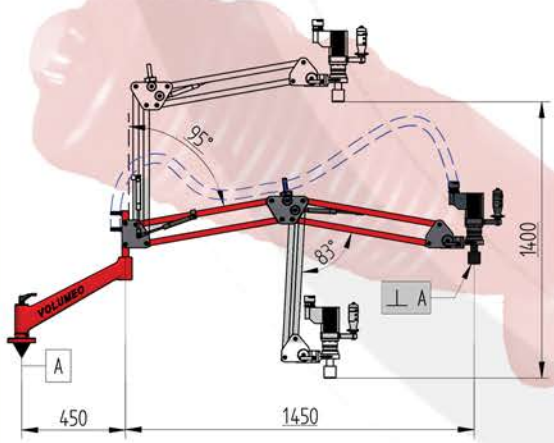


JT3



TRIPLE BALANCED ARTICULATED ARM

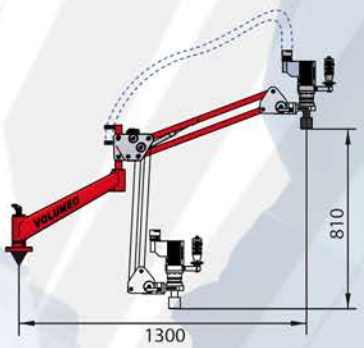
WORKING RAY 1900 mm



JT2



JT3





DOUBLE BALANCED ARTICULATED ARM JT2
WORKING RAY 1300 mm

SPECIFICATION: SERIES JT2

Model	Tapping capacity in Steel		Speed	Workray	Weight	Spindle
	Metric	Inches	(rpm)	(mm)	(kg)	
JT 2000	M3 - M12	1/8" - 1/2"	100 - 1000	1300	15	GR 2
JT 2150	M3 - M16	1/8" - 5/8"	50 - 500	1300	15	GR 2
JT 2500	M5 - M24	5/32" - 7/8"	20 - 200	1300	16	GR 2

SPECIFICATION: SERIES JT3

Model	Tapping capacity in Steel		Speed	Workray	Weight	Spindle
	Metric	Inches	(rpm)	(mm)	(kg)	
JT 3000	M2 - M12	0 - 1/2"	100 - 1000	1900	19	GR 2
JT 3150	M3 - M16	1/8" - 5/8"	50 - 500	1900	19	GR 2
JT 3500	M5 - M24	5/32" - 7/8"	20 - 200	1900	20	GR 2
JT 3750(M)	M8 - M36	5/16" - 1 3/8"	20 - 145	1900	25	GR 3

VASTC

VOLUMEC ASSISTED SCREWING-TAPPING CONTROL

ALL MODELS OF JOYTAP SERIES CAN BE EQUIPPED WITH TOUCHSCREN SYSTEM, WITH THE FOLLOWING FEATURES:



TAPPING

- AUTOMATIC TAPPING MODE (set pitch – depth - speed – torque (Nm) to save the tools)
- MANUAL TAPPING MODE (set speed – torque (Nm) to save the tools)
- COUNTING THREADS MADE
- SAVEABLE PROGRAMS, password protection
- Easly PROGRAMMABLE through the INTEGRATED INTERFACE
- Store data for later re-use.
- ENCODER-BASED CONTROL means NO LOSS OF SPEED AND TORQUE during tapping.

SCREWING

- SCREWING WITH AUTOMATIC STOP at the PRESET TORQUE mode. (set speed – torque in Nm)
- Green light for screwed end indication.
- SCREW CENTERING SYSTEM before screwing.
- COUNTING SCREWING MADE
- Password-protected salvable programs
- Easly PROGRAMMABLE through the INTEGRATED INTERFACE
- Store data for later re-use.
- ENCODER-BASED CONTROL means NO LOSS OF SPEED AND TORQUE during screwing

THE NEW TOUCHSCREEN CONTROL SYSTEM DESIGNED BY VOLUMEC ALLOWS TO USE THE JOYTAP FOR SEVERAL OPERATIONS LIKE:

HOLE TAPPING	PINS TAPPING	SCREWING	BITS	HELICOIL
				

OPTIONAL

EDS01
DEPTH SENSOR

DEPTH SENSOR WITH AUTOMATICALLY TOOL REVERSE AFTER HAVING REACHED THE TAPPING DEPTH PRESETS



LST01
AUTOMATIC LUBRICATION SYSTEM

IT STARTS AUTOMATICALLY EVERY TAPPING, LUBRICATING THE TOOL IN THE REQUIRED QUANTITY



ACCESSORIES

MCA001
TAPPING MACHINE TROLLEY HOLDER

850x750MM (TOTAL WEIGHT 65 KG.)
H=870 MM
UPPER BULL TOP
INTERNAL TOP WITH BUSHES HOLDER
4 TURNING WHEELS – 2 WITH BRAKES



BML001
WORK STATION

800x600 MM (TOTAL WEIGHT 150 KG.)
H= 830 MM (ADJUSTABLE)
THICKNESS OF THE WORKING PLANE 30MM ENTIRELY IN MILLED STEEL AND T-SLOTS INTERIOR BUSHES HOLDER



CCM001
TROLLEY WITH LIFTING COLUMN

TROLLEY WITH BASE 800x800 MM
H: 2000 MM
4 TURNING WHEELS – 2 WITH BRAKES
PUSHING HANDLE
WEIGHT 220 KG



BML002A
SIDE PLATE 90°

WORK STATION WITH T SLOTS
600x300 MM
ENTIRELY IN 30 MM MILLED STEEL AND T-SLOTS



CCF001
LIFTING COLUMN H=1850 MM

HANDLING ON LINEAR GUIDE AND TRAPEZOIDAL BAR CONTROLLABLE WITH ELECTRIC OR PNEUMATIC SCREWDRIVER HANDLE DRIVING
WEIGHT 60 KG



CCF100
TROLLEY 800X800MM

30 MM BASE
CENTRAL COLUMN
H= 1000 MM FOR ARM SUPPORT
4 TURNING WHEELS – 2 WITH BRAKES
WEIGHT 150 KG



BUSHES & SPINDLES

BUSHES FOR TAPPING

BUSHES FOR TAPPING WITH OR WITHOUT CLUTCH IN GR1, GR2 AND GR3.
TAPPING CAPACITY FROM M2 TO M36



BUSH FOR SCREWING

BA 1/4: BITS HOLDER 1/4
BA 3/8: BITS HOLDER/BUSHES 3/8
BA 1/2: BITS HOLDER/BUSHES 1/2



DIE HOLDER ADAPTOR

FOR PINS TAPPING



BUSH FOR PLACE BITS

FROM M4 TO M16



TOOL HOLDER SPINDLE

FOR DRILLING AND COUNTERSINK
MPS10GR2 (0,5-10 MM.)
MPS13GR2 (1-13 MM.)



MAGNET POSTITIONING

IT ALLOWS TO ORIENTATE THE HEAD TO TAPPING IN ANY DIRECTIONS.
(INCLUDED IN ALL JT2 AND JT3)



VOLUMEC
mechanical innovations

MADE IN ITALY PRODUCT

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