

# JOYTAP

**Electric Tapping Machines**



HIGH PRODUCTIVITY  
LOW CONSUMPTION  
LOW NOISE



## VASTC

ASSISTED  
SCREWING - TAPPING  
CONTROL

TOUCHSCREEN



# 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  $V_{MAX}$ .**
- ▶ **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

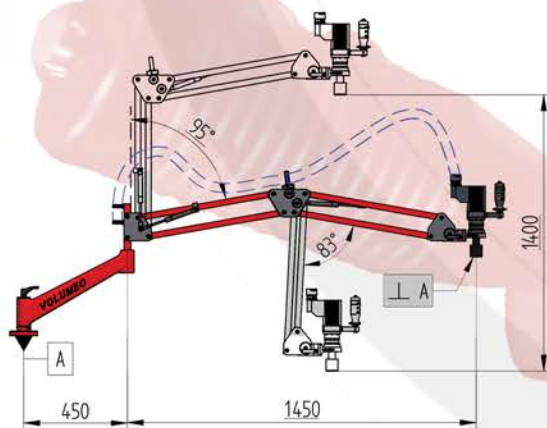
QUICK SPEED SETTING ACCORDING TO THE DIAMETER OF TAPPING



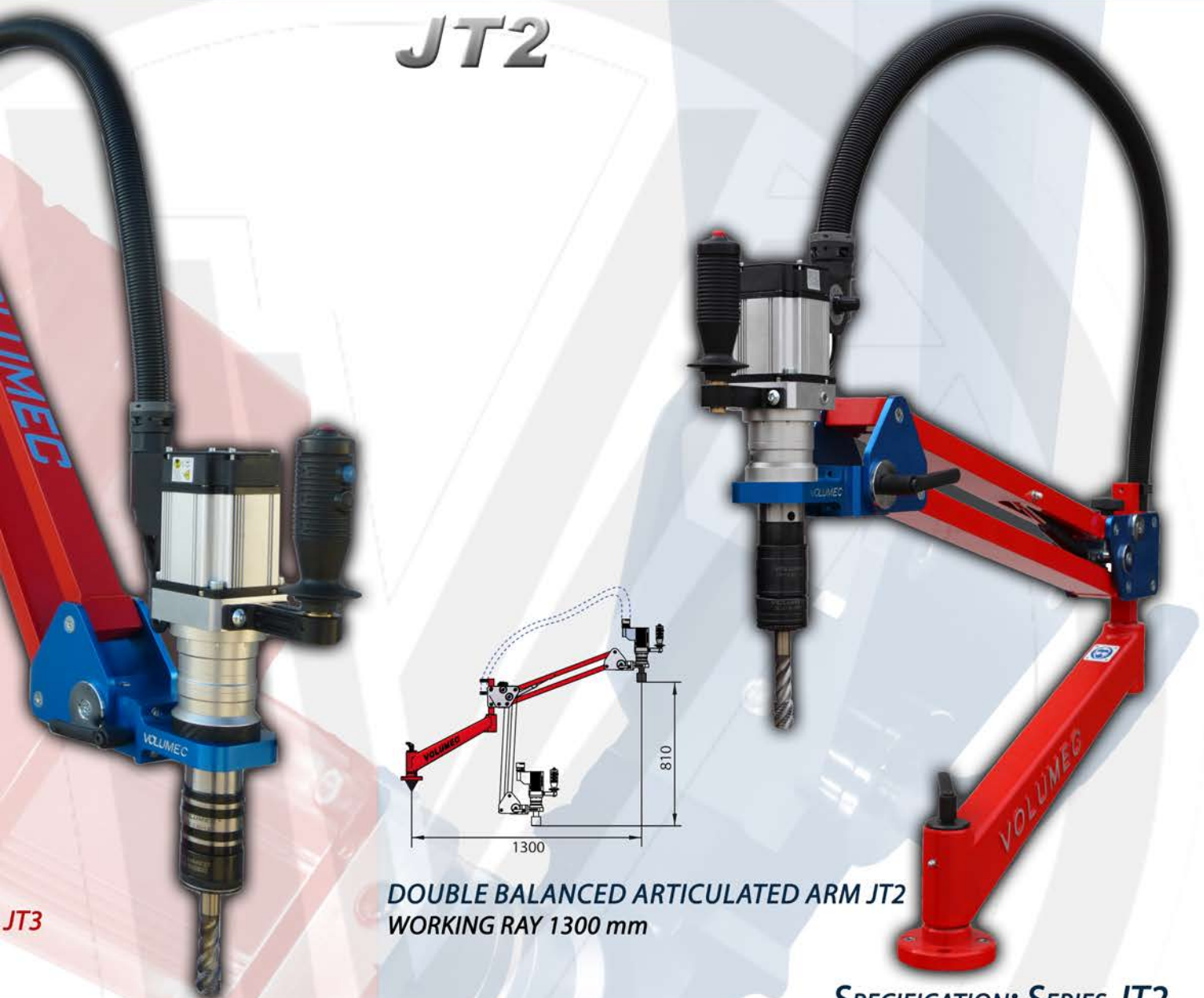
## JT3



**TRIPLE BALANCED ARTICULATED ARM**  
**WORKING RAY 1900 mm**



# JT2



**DOUBLE BALANCED ARTICULATED ARM JT2**  
**WORKING RAY 1300 mm**

## SPECIFICATION: SERIES JT2

Model	Tapping capacity in Steel		Speed (rpm)	Workray (mm)	Weight (kg)	Spindle
	Metric	Inches				
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 (rpm)	Workray (mm)	Weight (kg)	Spindle
	Metric	Inches				
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

## VOLUMEK ASSISTED SCREWING-TAPPING CONTROL

ALL MODELS OF JOYTAP SERIES CAN BE EQUIPPED WITH TOUCHSCREEN 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
- Easily 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
- Easily 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 VOLUMEK 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 POSITIONING

IT ALLOWS TO ORIENTATE THE HEAD TO TAPPING IN ANY DIRECTIONS.

(INCLUDED IN ALL JT2 AND JT3)



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