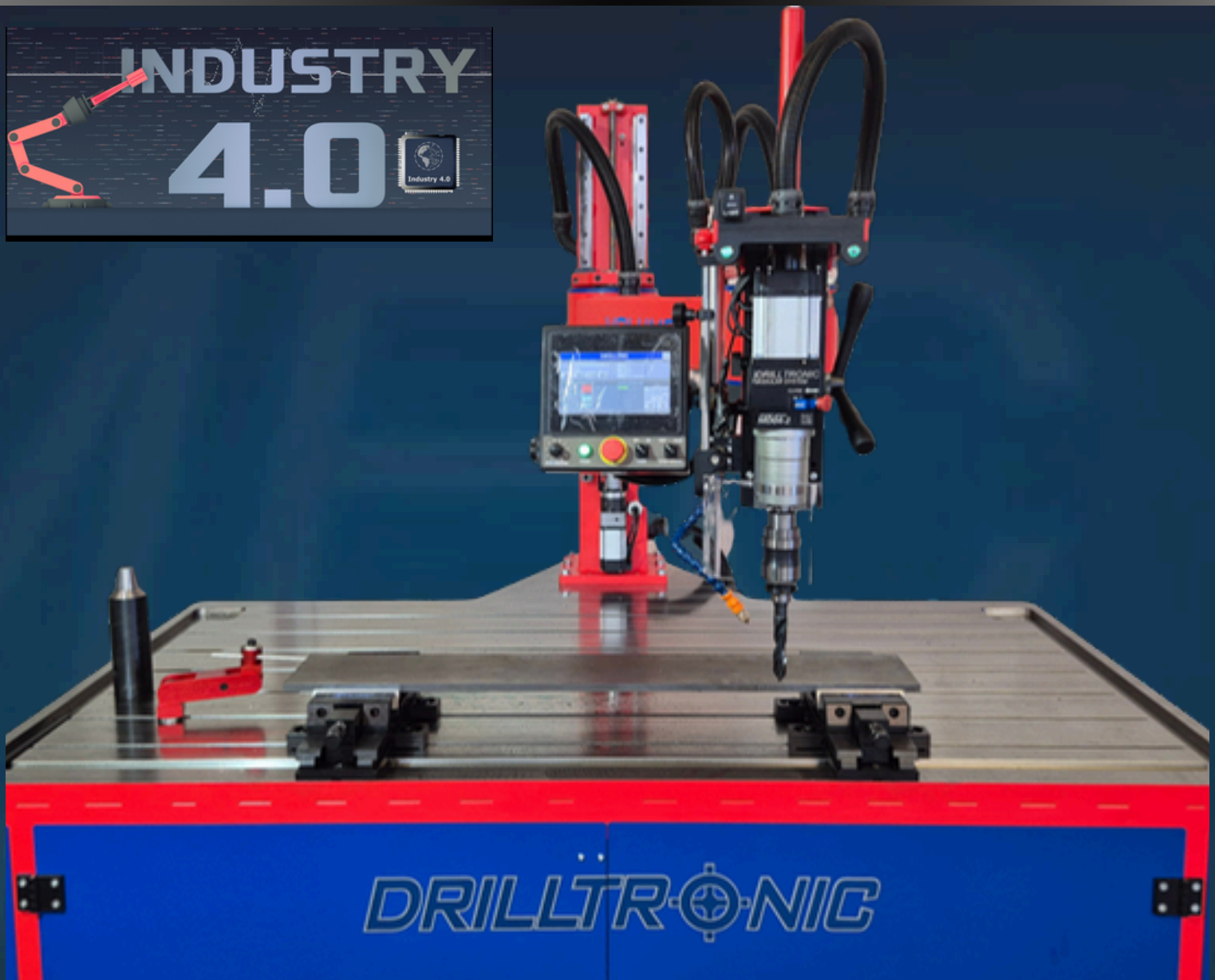


DRILLTRONIC DTM EVO2

ARTICULATED ARM DRILLING AND TAPPING UNIT

AUTOMATIC - SEMI-AUTOMATIC - MANUAL



www.volume.com



BE INNOVATIVE





stroke: 550
mm



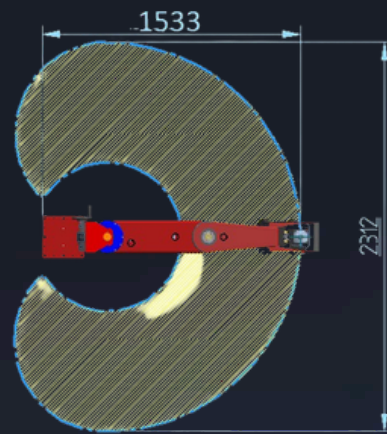
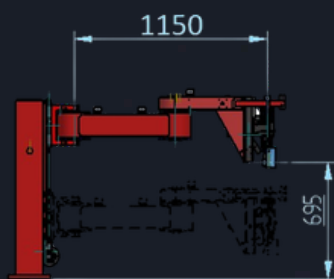
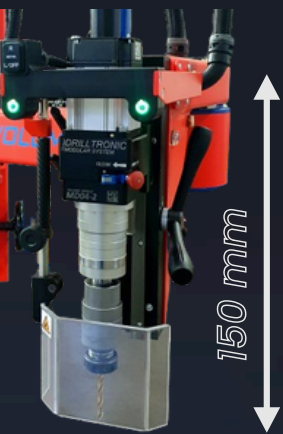
NEW GENERATION
BRUSHLESS
MOTORS (G3)

LUBRICATION

R=1150 mm

Model	Rotation speed (rpm)	Module change Speed	Drilling capacity with twist drill bit (mm)	Drilling capacity with cutter (mm)	Tapping capacity on steel
DT131000	100-1000	integrated module	Ø 3 – Ø 13	Ø 20	M3 – M12
DTM	5-5000*	AND	Ø 3 – Ø 16*	Ø 50*	M3 – M24*

*total capacity when using multiple MD-MJ modules



WORK AREA

SK2 CHUCKS FOR ER25-ER32 - MORSE TAPER 2



GR2 ER25-ER32 SPINDLES



PLUG-IN MODULES WITH QUICK CHANGE SPINDLE GR2 OR SK2







GR2/SK2 ADAPTER WITH COMPENSATOR



CLUTCH SOCKETS FROM M3 TO M24



MODULES MD SK	MD MODULE	SPEED'	COUPLE	DRILLING	TAPPING	CUP CUTTER
		 rpm	 Nm	 mm		
	MD-01	100-5000	7 Nm	Ø3-Ø6		/
	MD-04	25-1250	28 Nm	Ø3- Ø10	M3-M10	Ø15
	MD-05	20-1000	36 Nm	Ø3-Ø13	M3-M12	Ø 20
	MD-10	10-500	72 Nm	Ø6-Ø16	M3-M16	Ø 30
	MD-15	6-335	105 Nm	Ø10-Ø16	M3-M20	Ø 40
	MJ-25	4-200	180 Nm	/	M5-M24	Ø 50

*SK2 FOR HIGH PRECISION SPINDLE CONICAL QUICK COUPLING WITH 6-BALL LOCKING

VERSIONS

YOU CAN CHOOSE YOUR DRILLTRONIC BASED ON YOUR NEEDS
IN VERSION:

-MANUAL

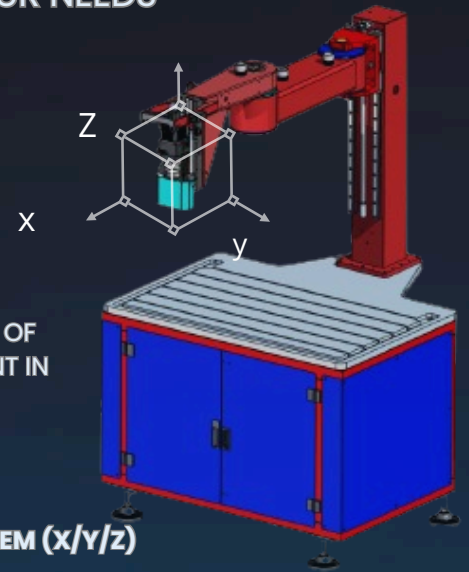
MANUALLY CONTROLLED ARM MOVEMENTS AND LOCKING (X/Y),
MANUAL DRILLING FEED (Z)

-SEMI-AUTOMATICA

PROGRAMMING OF WORKING COORDINATES (X/Y) WITH AUTOMATIC LOCKING OF
THE ARM BY MEANS OF THE VAPS CONTROL SYSTEM, AUTOMATIC ADVANCEMENT IN
DRILLING AND TAPPING (VAPS -Z)

-FULL AUTO CNC

FULLY AUTOMATIC AND PROGRAMMABLE POSITIONING AND DRILLING SYSTEM (X/Y/Z)
VIA THE VAPS CNC CONTROL SYSTEM



VAPS/VAPS-Z-VAPS AUTOMATIC CONTROL SYSTEM

THE NEW VAPS (VOLUMEC® ASSISTED POSITIONING SYSTEM) CONTROL IS AN EASY AND INTUITIVE TOUCH-SCREEN OPERATOR INTERFACE, WITH WHICH IT IS POSSIBLE TO PERFORM DRILLING AND TAPPING OPERATIONS AT PRE-SET HEIGHTS, WITHOUT THE NEED FOR MANUAL MARKING OUT AS WITH TRADITIONAL DRILLS.

THE MAIN FUNCTIONS ARE:

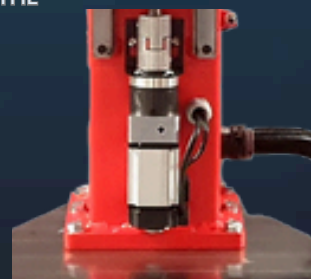
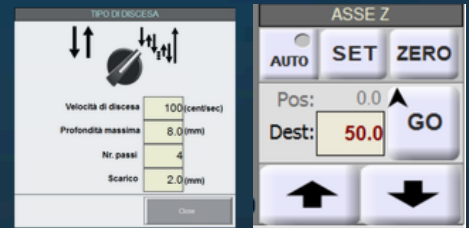
- QUICK IDENTIFICATION OF THE POSITION OF THE PIECE (ZERO SEARCH).
- ASSISTED POSITIONING OF THE TOOL ON THE WORK SURFACE WITH AUTOMATIC LOCKING ONCE THE HEIGHT HAS BEEN REACHED.
- INTUITIVE PROGRAMMING OF DRILLING ON MULTIPLE POINTS (X,Y, TOOL DIAMETER)
- CREATION AND SAVING OF DRILLING CYCLES ON PARTS OF ANY SHAPE
- AUTOMATIC CALCULATION OF DRILLING ON FLANGES BASED ON THE RADIUS AND ANGLE BETWEEN HOLES
- DRILLING PROGRAMMING IS ALSO POSSIBLE IN SELF-LEARNING MODE
- AUTOMATIC THREADING BY SETTING PITCH AND DEPTH
- POSITIONING AND DRILLING ALSO IN MANUAL MODE
- IMPORT/EXPORT DRILLING PROGRAMS VIA USB PORT
- CONNECTION TO THE PC VIA LAN PORT



AUTOMATIC DRILLING ON Z AXIS: CODE VAPS-Z

THE MAIN FUNCTIONS ARE:

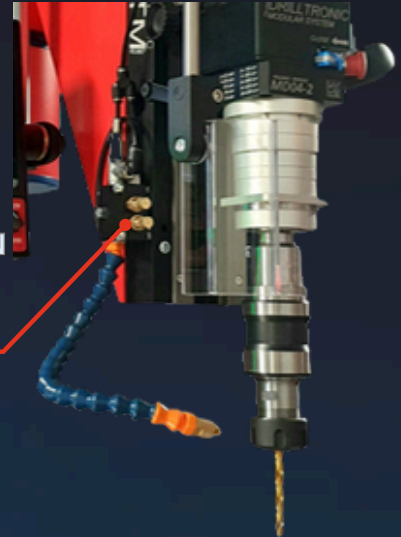
- AUTOMATIC DESCENT/ASCENT OF THE TOOL TO THE DESIRED DEPTH (SET ON THE CONTROL)
- CUTTING SPEED ADJUSTMENT (SET ON THE CONTROL)
- AUTOMATIC DRILLING CHIP DISCHARGE FUNCTION
- MOVEMENT OF THE ARM UP AND DOWN TO THE DESIRED HEIGHT
- TOOL HEIGHT SETTING ON PIECE
- BRUSHLESS MOTOR WITH ENCODER FOR POSITION CONTROL
- MAXIMUM ALTITUDE SENSORS



OPTIONAL

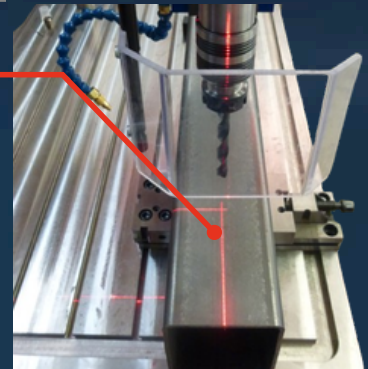
LST001D-AUTOMATIC LUBRICATION SYSTEM

AN AUTOMATIC LUBRICATION SYSTEM TO ENSURE A CORRECT AND CONSTANT FLOW OF MISTED OIL TO THE TOOL.
THE FLOW INTENSITY, QUANTITY AND WIDTH OF THE LIQUID JET CAN BE EASILY ADJUSTED.



LSP001D-LASER AIMING SYSTEM

THANKS TO THE LASER POINTING SYSTEM IT IS POSSIBLE TO PRECISELY LOCATE THE DRILLING / TAPPING POINT



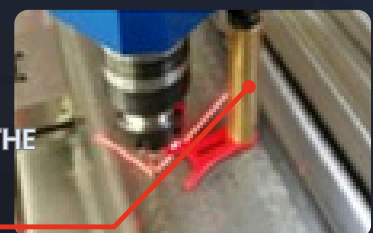
LSR001D-REFRIGERATION SYSTEM

REFRIGERATION SYSTEM WITH REFRIGERANT RECIRCULATION PUMP



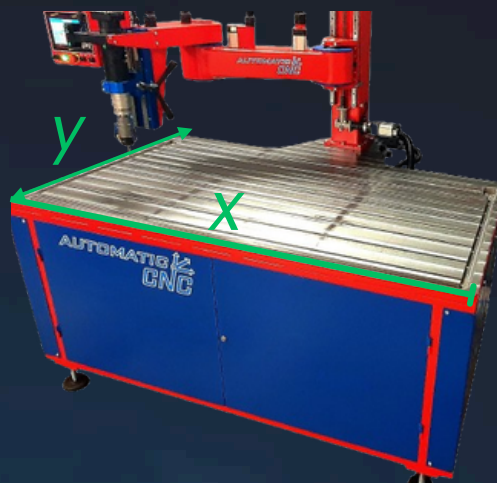
EDS001D-HIGH PRECISION DEPTH SENSOR

IT ALLOWS DRILLING AND TAPPING TO THE DESIRED DEPTH EVEN IN THE MANUAL VERSION



LOAD-BEARING STRUCTURAL BENCH OPTIMISED TO GIVE MAXIMUM PRECISION AND RIGIDITY TO THE MACHINE, WITH 30 MM BASE AND INTERNAL COMPARTMENT FOR THE TOOL MAGAZINE.

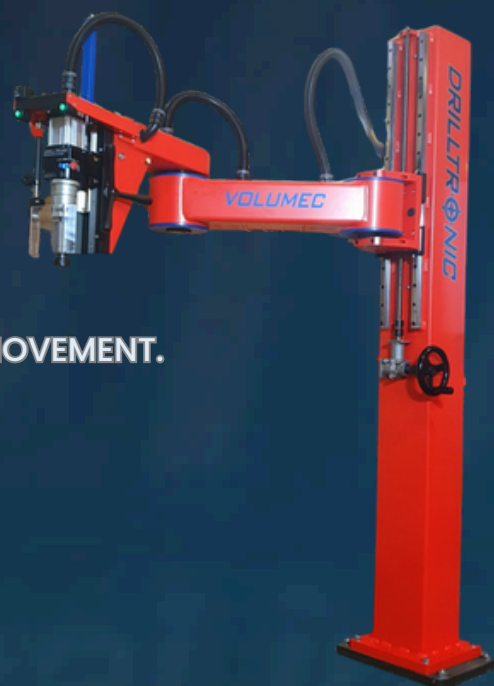
AVAILABLE WITH A RAW TOP OR WITH A MACHINED TOP WITH T-SLOTS DESIGNED FOR REFRIGERANT RECOVERY.



Model	Working area (mm) X-Y	Adjustable bench height (mm)	Plan type	Refrigeration system preparation	Weight (kg)
BDL1810	1800 x 1000	750/850	Worked top with T-slots	and	650
BDG1810	1800 x 1000	750/850	Raw	No	650
BDL128	1200X800	750/850	Worked top with T-slots	AND	360
BDG128	1200X800	750/850	Raw	No	360

CFT – GROUND FIXING COLUMN H=2000

**LIFTING COLUMN DESIGNED FOR FLOOR FIXING.
MANUAL (STANDARD) OR MOTORIZED (WITH VAPS-Z) MOVEMENT.
H=2000 mm base 300x300 mm**



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