

OPTIONAL

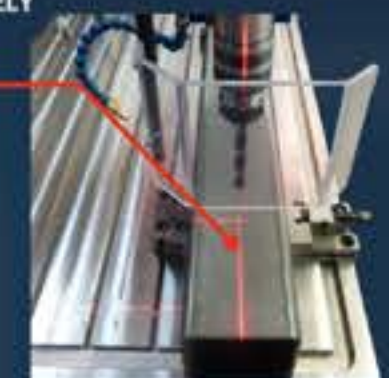
LST001D-AUTOMATIC LUBRICATION SYSTEM

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 POINTING 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 YOU TO DRILL AND TAP TO THE DESIRED DEPTH EVEN IN THE MANUAL VERSION



BASES AND COLUMNS

STRUCTURAL LOAD-BEARING BENCH OPTIMIZED 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)	Type of plan	Preparation of refrigeration system	Weight (kg)
BDL1810	1800 x 1000	750/850	Top worked with T-slots	and	650
BDG1810	1800 x 1000	750/850	Raw	No	650
BDL128	1200X800	750/850	Top worked with T-slots	AND	360
BDG128	1200X800	750/850	Raw	No	360

CFT - GROUND FIXING COLUMN H=2000

LIFTING COLUMN DESIGNED FOR FIXING TO THE FLOOR. MANUAL (STANDARD) OR MOTORIZED (WITH VAPS-Z) HANDLING. H=1995 MM BASE 300X300 MM



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DRILLTRONIC DTM EVO2

ARTICULATED ARM DRILLING AND TAPPING UNIT



MAX SPEED 5000 RPM - TORQUE 180 NM



www.volume.com



Model	Rotational speed (rpm)	Changing modules Speed	Twist drill drilling capacity (mm)	Drilling capacity with cutter (mm)	Steel tapping capability
DT131000	100-1000	integrated module	∅ 3 - ∅ 13	∅ 20	M3 - M12
DTM	5-5000*	AND	∅ 3 - ∅ 16*	∅ 50*	M3 - M24*

*total capacity when using multiple MD-MJ modules



MODULE MD-SK	MODULE MD	SPEED	TORQUE	DRILLING	TAPPING	SAW CUTTER
		rpm	Nm	mm	mm	mm
*SK2 FOR HIGH PRECISION SPINDLE CONICAL QUICK COUPLING WITH 6-BALL LOCKING	MD-01	100-5000	7 Nm	∅3-∅6	/	/
	MD-04	25-1250	28 Nm	∅3- ∅10	M3-M10	∅15
	MD-05	20-1000	36 Nm	∅3-∅13	M3-M12	∅ 20
	MD-10	10-500	72 Nm	∅6-∅16	M3-M16	∅ 30
	MD-15	6-335	105 Nm	∅10-∅16	M3-M20	∅ 40
	MJ-25	4-200	180 Nm	/	M5-M24	∅ 50



VERSIONS

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

-MANUAL

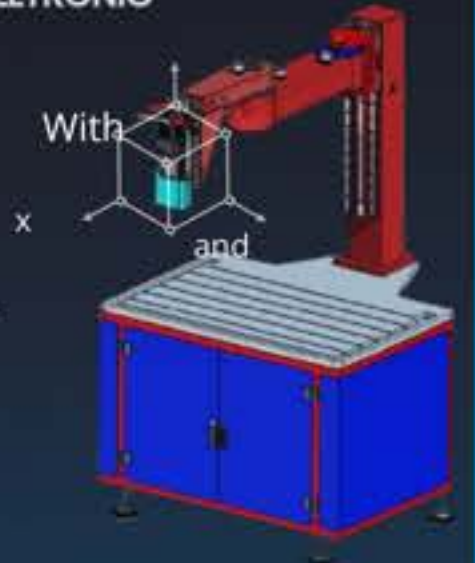
MANUAL MOVEMENT AND LOCKING (X/Y) OF THE ARM, MANUAL DRILLING ADVANCEMENT (Z)

-SEMI AUTOMATIC

PROGRAMMING OF WORK COORDINATES (X/Y) WITH AUTOMATIC LOCKING OF THE ARM VIA THE VAPS CONTROL SYSTEM, AUTOMATIC ADVANCEMENT OF 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 CONTROL SYSTEM

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

THE MAIN FUNCTIONS ARE:

- RAPID IDENTIFICATION OF THE POSITION OF THE PIECE (ZERO SEARCH).
- ASSISTED POSITIONING OF THE TOOL ON THE WORK SURFACE WITH AUTOMATIC LOCKING WHEN THE HEIGHT IS REACHED.
- INTUITIVE PROGRAMMING OF DRILLING ON MULTIPLE POINTS (X,Y, TOOL DIAMETER)
- CREATION AND SAVING OF DRILLING CYCLES ON DETAILS OF ANY SHAPE
- AUTOMATIC CALCULATION OF DRILLING ON FLANGES BASED ON THE 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
- CONNECTION TO PC VIA LAN PORT



AUTOMATIC DRILLING ON Z AXIS: CODE. VAPS-Z

THE MAIN FUNCTIONS ARE:

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

