

DRILLTRONIC DTM EVO2

ARTICULATED ARM DRILLING AND TAPPING UNIT



MAX SPEED 5000 RPM - TORQUE 180 NM



www.volume.com



stroke: 550 mm

VOLUMEC

DRILLTRONIC

by

VOLUMEC

SPEED REGULATOR POWER LAZER SPEED REVERSE

R=1150 mm

LUBRICATION

DRILLTRONIC
MODULAR SYSTEM

CLOSE

MD04-2

QC2-ER25
CHUCK







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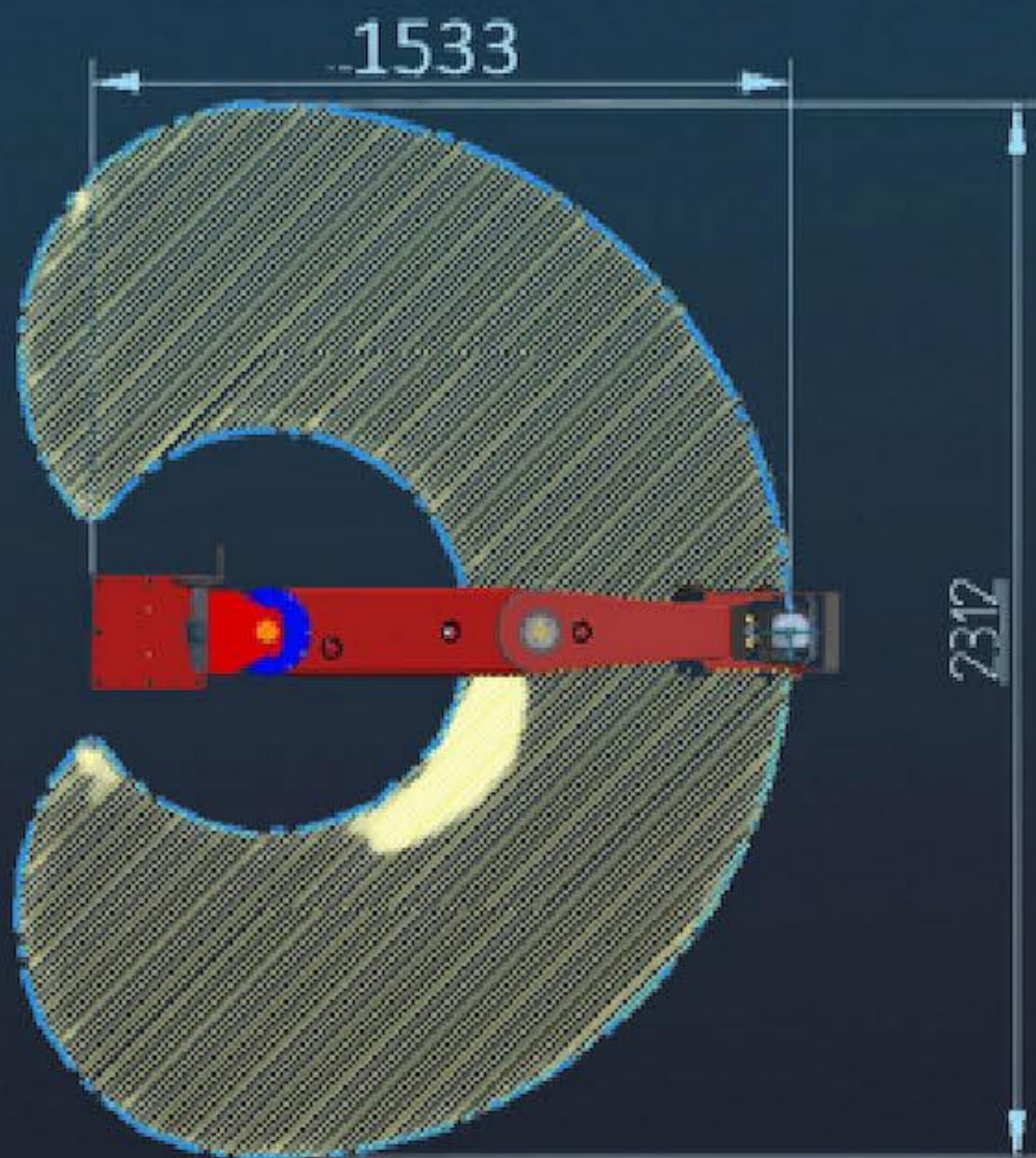
LTRONIC

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	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



MODULE MD-SK *SK2 FOR HIGH PRECISION SPINDLE CONICAL QUICK COUPLING WITH 6-BALL LOCKING	MODULE MD	SPEED	TORQUE	DRILLING	TAPPING	SAW CUTTER
						
		rpm	Nm	mm	mm	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



WORK AREA

VERSIONS

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

-MANUAL

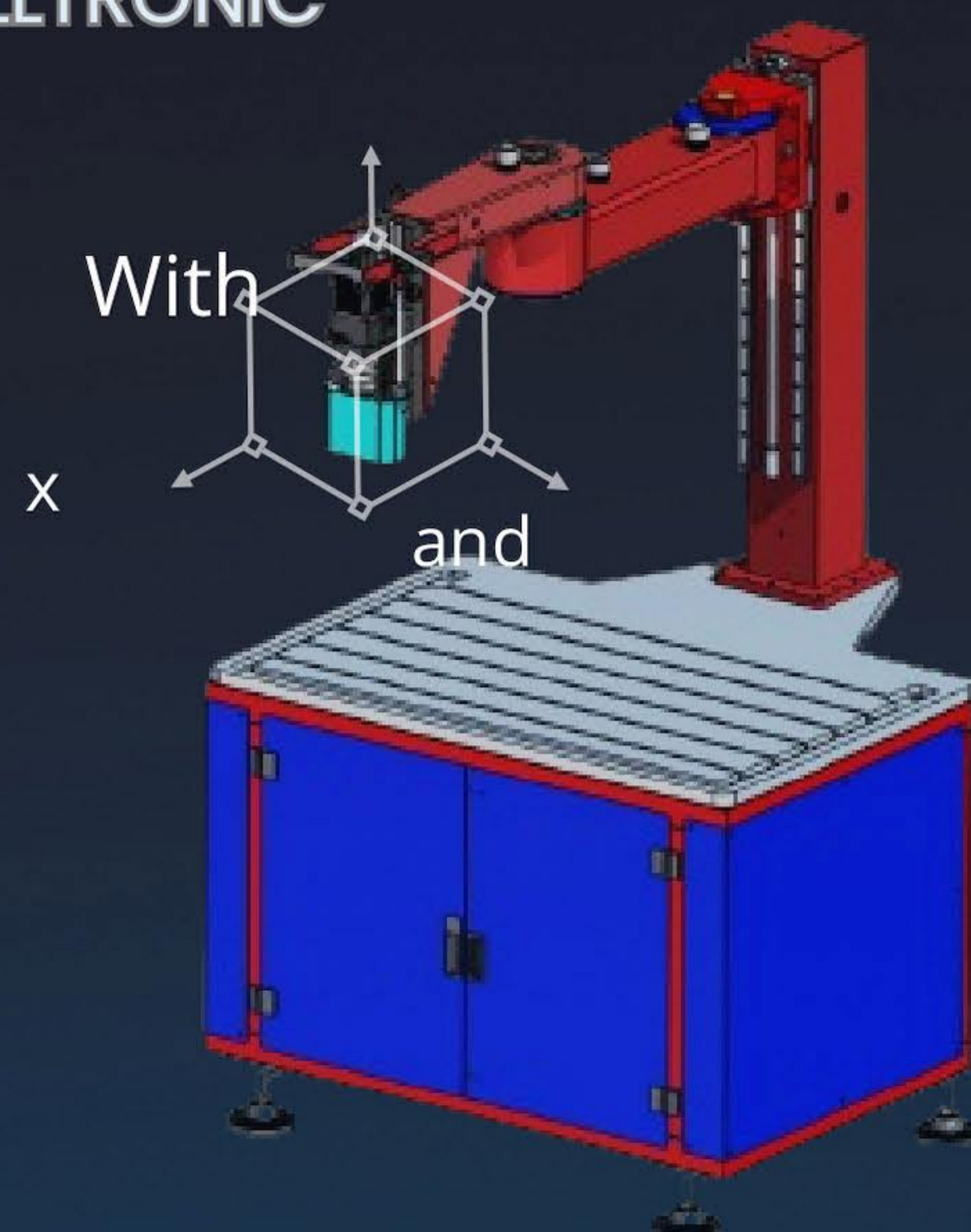
MANUAL MOVEMENT AND LOCKING (X/Y) OF THE ARM, MANUAL DRILLING ADVANCEMENT (Z)

-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 (VOLUMEK® 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:

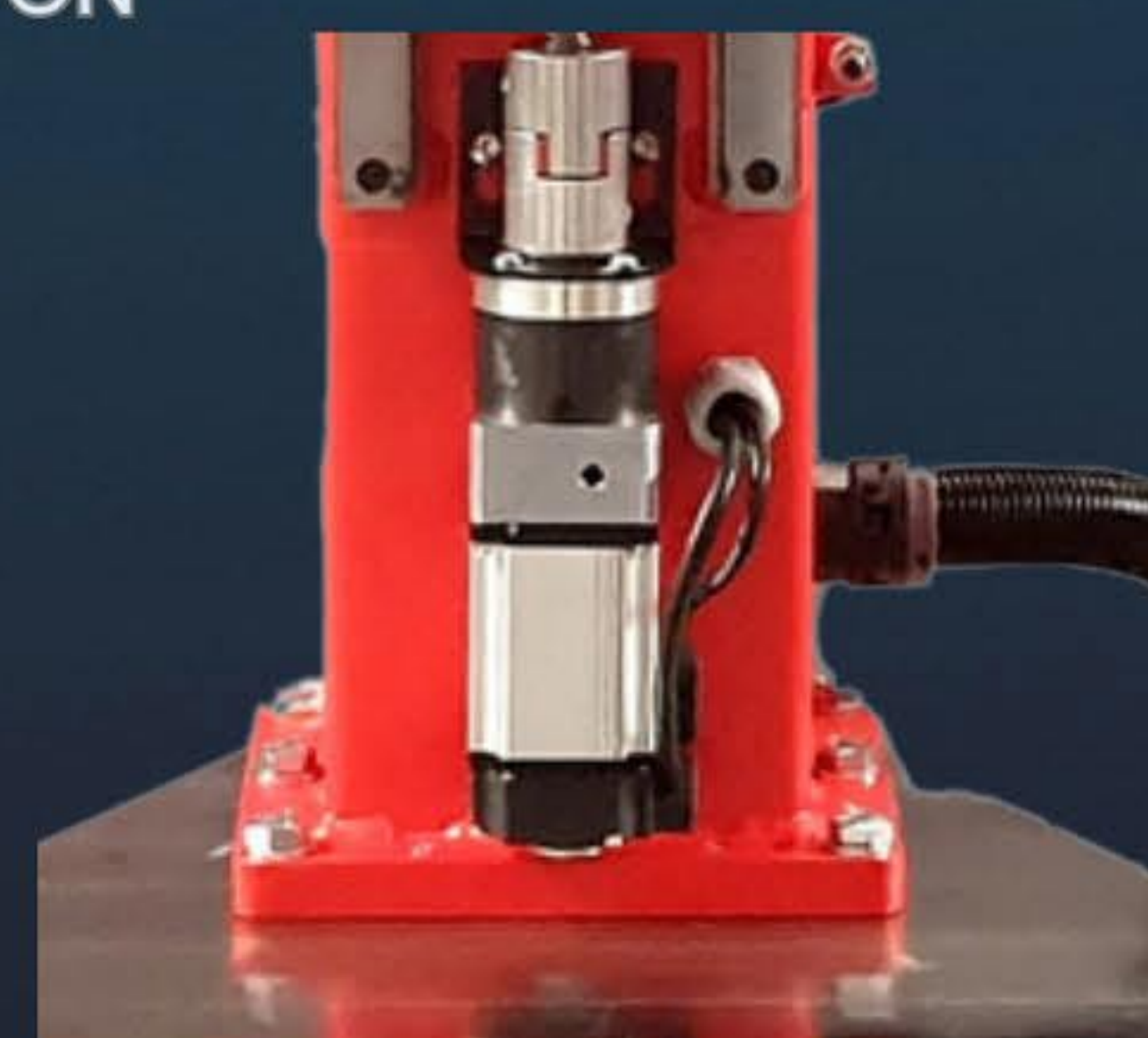
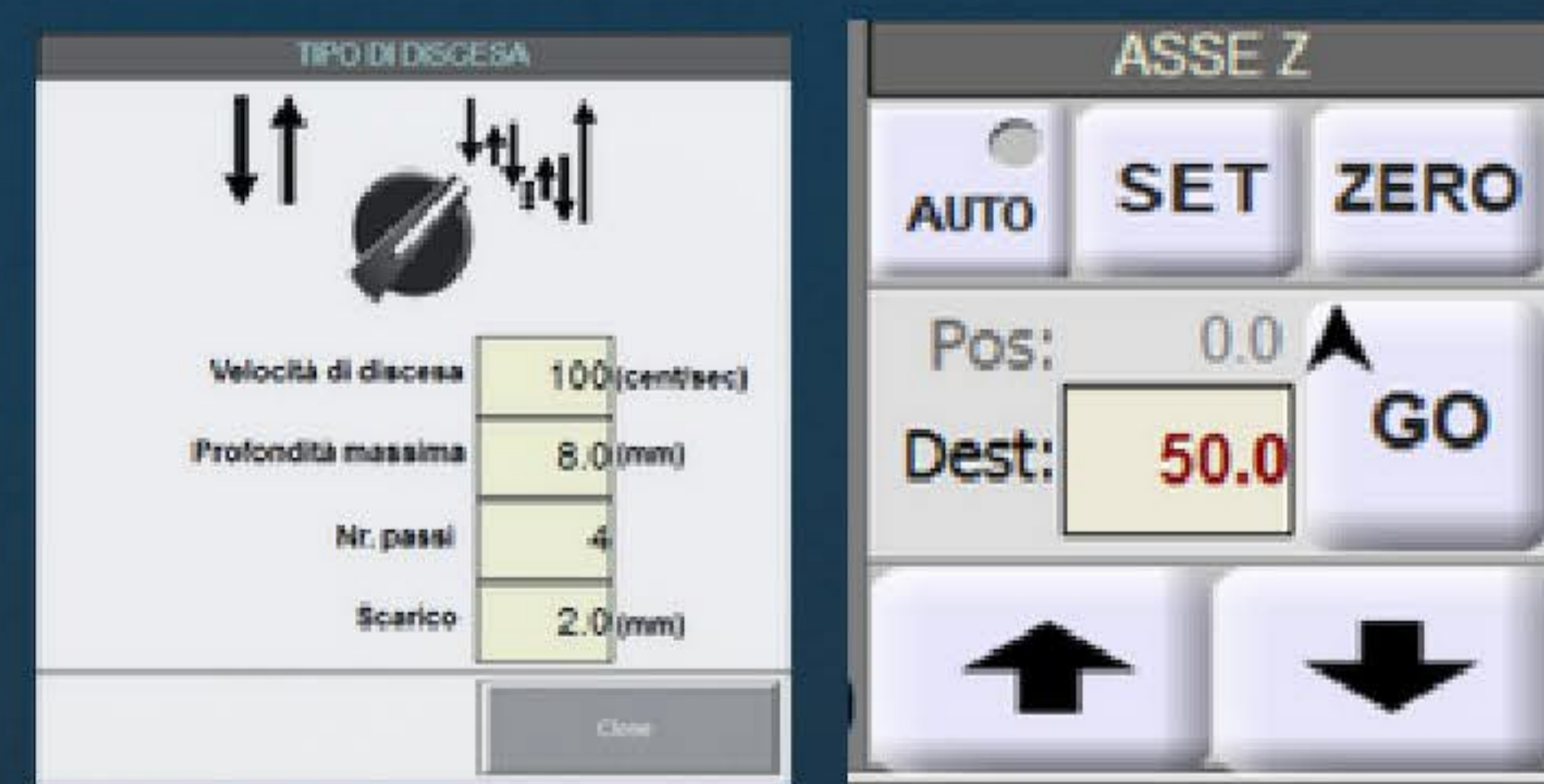
- RAPID IDENTIFICATION OF THE POSITION OF THE PIECE (ZERO SEARCH).
- ASSISTED POSITIONING OF THE TOOL ON THE WORK SURFACE WITH AUTOMATIC LOCKING WHEN THE HEIGHT IS REACHED.
- INTUITIVE PROGRAMMING OF DRILLING ON MULTIPLE POINTS (X,Y, TOOL DIAMETER)
- CREATION AND SAVING OF DRILLING CYCLES ON DETAILS 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/ISING 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



OPTIONAL

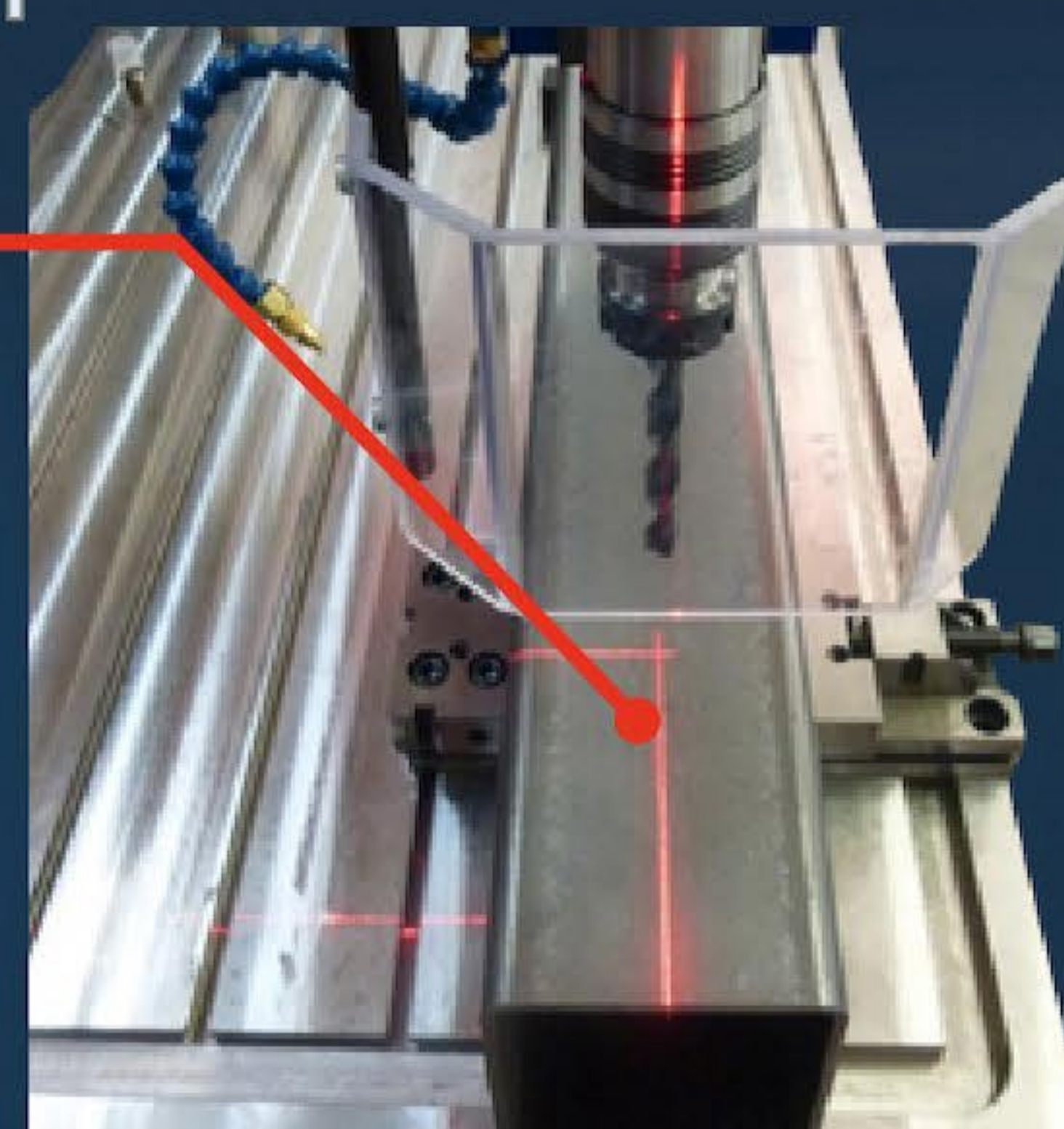
LST001D-AUTOMATIC LUBRICATION SYSTEM

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



VOLUME[®]

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