



# COST-EFFECTIVE AUTOMATION

COMPACT UNITS FOR

- DRILLING
- TAPPING
- MILLING

[www.e2systems.com](http://www.e2systems.com)

**PNEUMATIC LEAD  
SCREW UNIT LS 22**



# PNEUMATIC LEAD SCREW TAPPING UNIT LS 22

The LS 22 consists of a vane motor powered by compressed air, a planetary gearbox, lead screw, nut and a follower with cams to activate built-in switches. The design of the LS 22 is compact yet highly functional. The lead screw ensures high repeatability for threading operations.

- EXTREMELY COMPACT DESIGN
- SEALED LEAD SCREW
- LOW NOISE LEVEL
- SMART DEPTH CONTROL
- AVAILABLE IN ALL THREAD TYPES AS WELL AS LEFT HAND



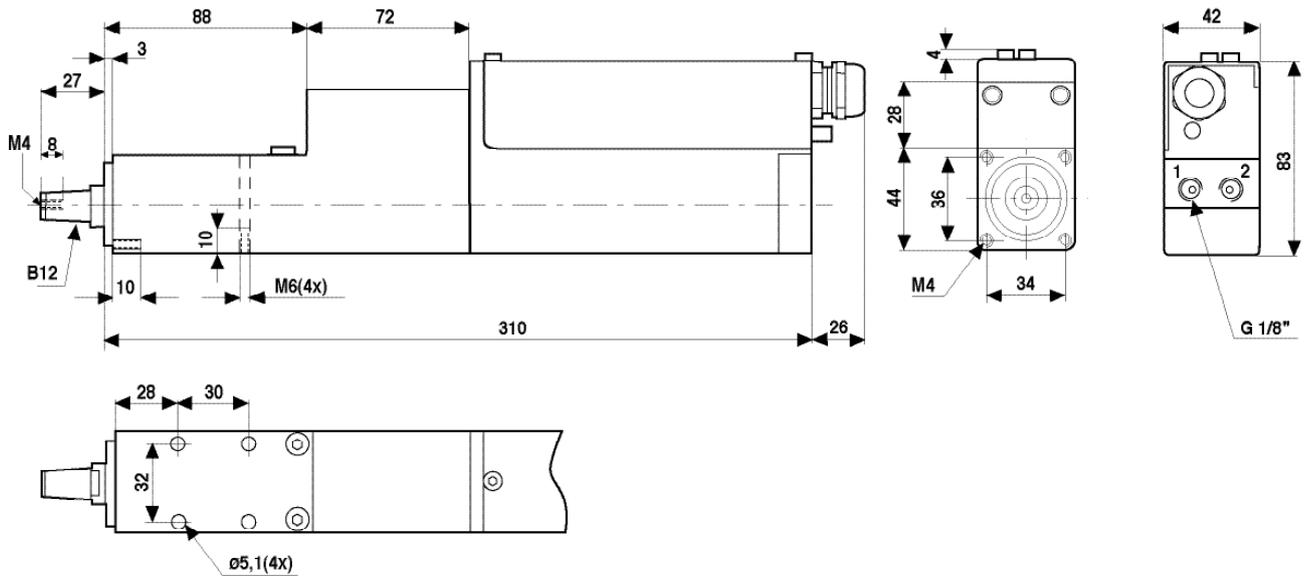
Guidlines for choice of unit												[M-Thread]	
TAPPING UNIT	CAPACITY IN STEEL				CAPACITY IN ALUMINIUM/BRASS				CAPACITY IN PLASTICS				
	No of Spindles	1	2	3	4	1	2	3	4	1	2	3	4
LS 223	M8	M6	M6	M5	M12	M10	M8	M8	M12	M12	M10	M10	
LS 225	M6	M5	M5	M4	M12	M8	M6	M6	M12	M10	M8	M8	
LS 226	M6	M5	M5	M4	M10	M8	M6	M6	M10	M8	M8	M6	
LS 2213	M5	M4	M4	M3	M8	M6	M5	M5	M8	M8	M6	M5	
LS 2221	M4	M3	M3	M2	M6	M5	M4	M4	M8	M6	M5	M4	
LS 2228					M5				M6	M5			

Performance specifications at 6.3 Bar			
Power	0.16 kW	Depth accuracy +/-	0.01 mm
Stroke (max, 100% controlled)	51 mm	Working pressure range	6–7 Bar
Min. Center to Center Spacing		Air consumption	<0.3 Nm <sup>3</sup> /min
Single Spindle	42 mm	Sound level	70 dB(A)
Double-Spindle Head	11 mm		

TAPPING UNIT	SPEED (IDLE) [RPM]	SPEED (AT MAX OUTPUT) [RPM]	TORQUE (AT MIN STARTING) [NM]	TORQUE (AT MAX OUTPUT) [NM]
LS 223	240	140	13.4	10.8
LS 225	400	240	8.0	6.7
LS 226	540	310	5.9	5.0
LS 2213	1 050	650	3.0	2.4
LS 2221	1 750	1 050	1.8	1.5
LS 2228	2 400	1 390	1.3	1.1

## Dimensions

[mm]



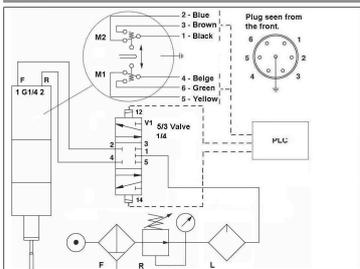
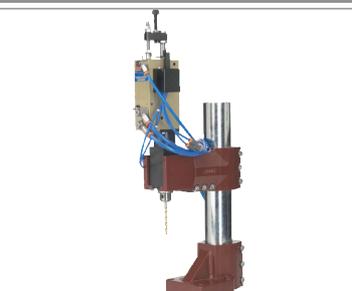
You can download 2D CAD-drawings and 3D CAD-models on [www.e2systems.com](http://www.e2systems.com).

**WEIGHT 4.6 KG**

## Necessary components

QUICK CHANGE CHUCK	TYPE	PAGE
	C12 for B12 Metric and Inches	52
TAP HOLDER	TYPE	PAGE
	T12 for C12 (B12) Metric and Inches	52
LIMIT SWITCHES	TYPE	PAGE
	Electric Pneumatic	58

## Accessories

MULTI-SPINDLE HEADS	TYPE	PAGE
	Adjustable heads VH04-, MBKV 402 and MBK 6V2-series	42 48
CONTROLS	TYPE	PAGE
	Controls for LS 22 units  Electric Pneumatic	58
MOUNTINGS	TYPE	PAGE
	Mountings for the LS22 units.	

On [www.e2system.com](http://www.e2system.com) you can find more information as well as the same information as above in imperial units.

When requesting a quote or ordering, please state: **Model**, **Limit switches**, **Ø** and **□** for the tap holder, **pitch**, and if it is to be used in **Lubrication-free operation**.

You will find units for Drilling, Tapping and Milling installed wherever increased rates of production are required. They are a cost-effective means of automating drilling, tapping and milling operations.

E2 products are known world wide for their quality, durability, precision and power. Each series of E2 units are the most compact in the market today.

E2 customers benefit from the high quality of the E2 product line with less down-time and reduced operating costs. The compact design of the E2 units together with a good availability of CAD-drawings/-models makes the design of a machine more straight forward.

E2's concern for the worker and his environment is evident in all E2 products. Low noise levels and non-lubrication features eliminating oil mist in the air is a common feature of the E2 product line.

E2 self-feeding units utilizes a built-in hydraulic feed control system. They combine precision with power enabling a high level of precision also in multi-spindle head applications. The extremely compact Air hydraulic drilling units and Lead screw tappers are ideal for drilling/tapping smaller holes. E2's electro-pneumatic and –hydraulic units can to be used when more power is required. You will still have the E2 durability and precision. The E2 product line also includes non-feed pneumatic units perfect for drilling as well as milling, slitting and grinding.

Complementing the line of units, E2 also offers a full line of accessories for machining applications.

E2 also have supplementary product lines of

- Rotary actuators
- Air thrusters
- Pneumatic/Hydraulic components and systems

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