

# CONTROL PANELS

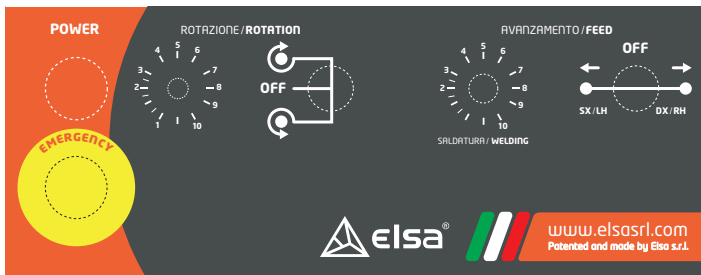
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## COMPARISON BETWEEN ANALOGUE AND DIGITAL CONTROL PANEL



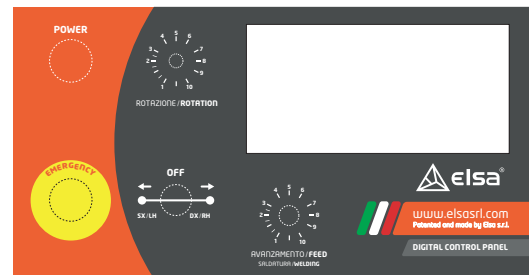
# ANALOGUE CONTROL PANEL

Standard on line borers of the series Supercombinata  
Available with 230V power supply and 110V on request



# DIGITAL CONTROL PANEL

On request available with the models SC1, SC2 e SC3  
with 230V power supply.



## FEED MOVEMENT

The feed motion (by the rotation of an independent DC electric motor with permanent magnets) is driven by an unidirectional inverter.

Control is via an open chain, although the inverter also provides the option of controlling the motor via a tachogenerator with a feedback loop.

## ROTATION

The rotary movement (by an independent AC electric motor) takes place in an open cycle with frequency control.

The drive allows the direction of rotation of both motors to be reversed using special selector switches on the control panel.

Both speeds, the rotation and the feed movement, can be adjusted via potentiometers on the front of the control panel.

The digital control panel is equipped with a programmable microprocessor positioner with relay outputs.

The positioner is designed to control the right/left feed/stop with positioning in the set position as well as the rotation/stop motor.

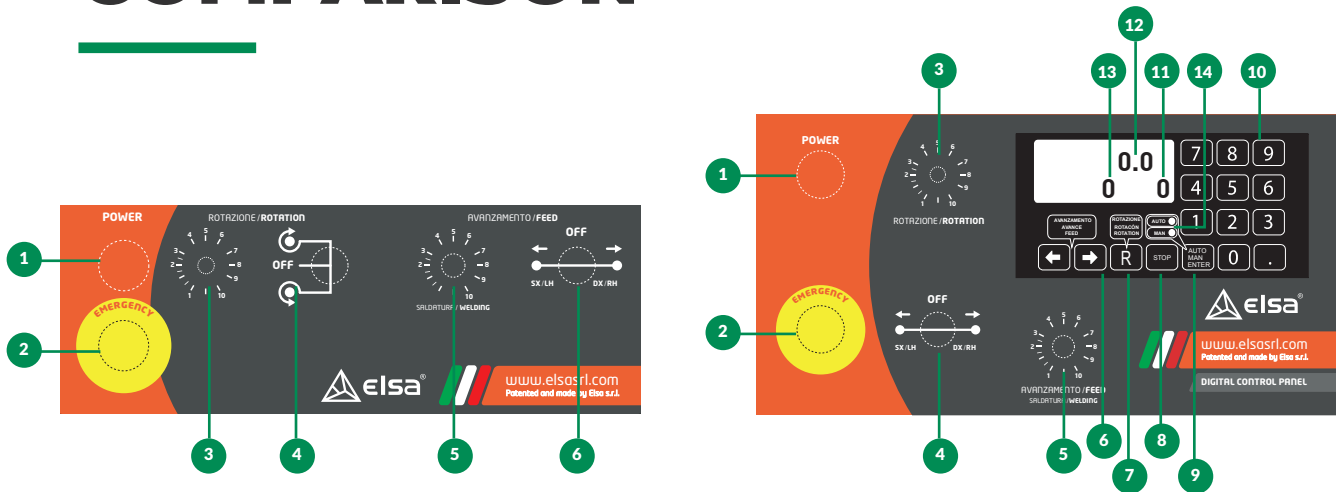
The feed speed (in mm/min) and the speed (rpm) are displayed. Data retention when the machine is switched off is ensured by a non-volatile EEPROM memory. The device is installed in a panel-mounted housing in accordance with DIN 43700.

The digital control panel enables operation in manual or automatic mode.

In addition to the standard operating elements (1 to 5), the front panel has further operating elements, e.g:

- Setting the rotational speed (potentiometer setting);
- Setting the direction of rotation;
- Setting the feed speed (potentiometer setting);
- Feed display;
- Setting the feed;
- Direction of movement of the feed motor (→← symbols);
- Starting the rotation motor (R button);
- Stopping the rotation/feed motor (STOP button);
- Keypad for setting the feed speed;
- Operation in automatic mode (Auto/Man/Enter button).

# FEATURES IN COMPARISON



		"ANALOG" (STANDARD)	"DIGITAL" (OPTIONAL)
1	Main switch	✓	✓
2	Emergency/Stop button	✓	✓
3	Analogue potentiometer for rotation speed	✓	✓
4	Analogue direction selector switch/OFF	✓	✓
5	Analogue potentiometer for feed speed (boring/welding)	✓	✓
6	Digital feed selector (boring/welding)		✓
7	Start button for rotation		✓
8	Manual or automatic position LED		✓
9	Digital stop button		✓
10	Programming button for automatic feed		✓
11	Speed display (rpm)		✓
12	Feed rate indicator (mm)		✓
13	Feed indicator (rpm)		✓
14	Led automatic/manual mode		✓
	Weight (Kg)	3,8	6
	Protection (IP)	20	20
	Dimension (L x H x P mm)	250 x 95 x 275	273 x 142 x 250
	Power supply 230 Volt	✓	✓
	Power supply 110 Volt	✓	

## NOTES:

Please note that the choice of the control unit must be made when you buy the machine. Otherwise, the machine will have to be adapted to the selected control unit type if it is later upgraded from a standard to a digital control unit.



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