



scortegagna

COSTRUZIONI MECCANICHE SCORTEGAGNA srl

RÜSCH BANDSAW MACHINE 444A

INSTRUCTION AND MAINTENANCE MANUAL

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Versione 2.01

3. TECHNICAL CHARACTERISTICS

3.1 Technical Data

TECHNICAL DATA	Rüsch 444 A	
ROUND CUTTING CAPACITY	mm 450	in 17,7
SQUARE CUTTING CAPACITY	mm 450	in 17,7
MINIMUM CUTTING CAPACITY WITH BUNDLING VICE	mm 550x50H	in 21,6x2h
MAXIMUM CUTTING CAPACITY WITH BUNDLING VICE	mm 550x450H	in 21,6x17,7h
BLADE DIMENSIONS	mm 5890X 41 X 1,3	in 231,9 x 1 1/2 x 0,05
STANDARD BLADE SPEED	m/min 20-120	fpm 65,6-393,7
WHEEL DIAMETER	mm 630	in 24,8
BED HEIGHT	mm 910	in 35,8
COOLANT TANK CAPACITY	l 150	gal 33
HYDRAULIC OIL TANK CAPACITY	l 55	gal 12
MAIN MOTOR POWER	KW 5,5	HP 7,5
HYDRAULIC PUMP MOTOR POWER	KW 0,9-1,6	HP 1,2-2,2
COOLANT PUMP MOTOR POWER	KW 0,78	HP 1,1
MACHINE DIMENSIONS(mm)	mm 2000x4400x3000h	in 78,7x157,5x118,1h
NET WEIGHT	4400	9700
COLOR	RAL 6027 RAL 5018	

3.2 Description of the Machine and its Parts

N°	DESCRIPTION
1	BOW
2	CONTROL PANEL
3	ELECTRIC CABINET
4	BLADE TENSIONER WHEEL
5	VARIABLE-SPEED DRIVE
6	WHEEL GUARD

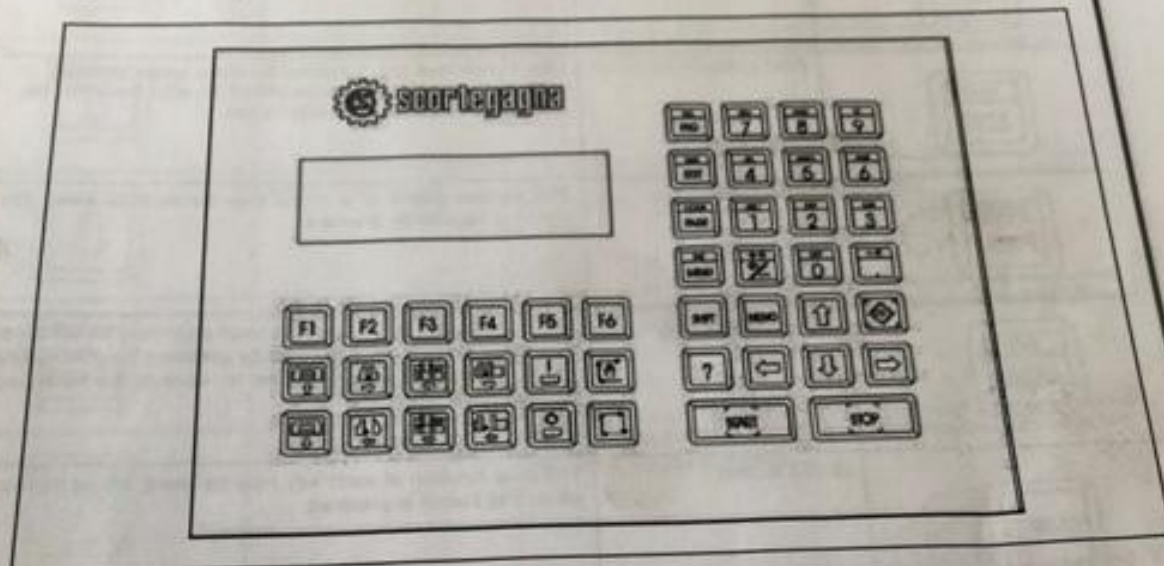
N°	DESCRIPTION
7	VICE BED
8	COOLANT TANK
9	WARF BRUSH
10	VICE PRESSURE REDUCING VALVES

5. OPERATOR INTERFACE

5.1 Control panel

To turn on the machine, turn the switch (IG) at the center of the electric cabinet.
First, press the machine's ON button. Press the bow raising button. If the bow goes up there are no problems. If not, two of the power supply's phase wires must be inverted, as the motors are rotating in the opposite direction. After this, here is a description of the functions of the single controls.

Fig. 5.1 Control panel



Symbol	Description	Controlled functions
ON	White illuminated button	The auxiliary controls are powered when it is pressed. The light indicates that the machine is being powered.
EMERGENCY	Emergency mushroom-head push-button	The machine goes into a state of emergency when this push-button is pressed and immediately stops in its present position. To reset the emergency, turn the mushroom-head push-button until it is released. Then, after verifying that the conditions which caused the state of emergency have been eliminated, press the ON button.
	Manual cycle button	The machine goes into manual operation when this button is pressed. The abbreviation "MAN" appears in the upper left-hand corner of the display.