



**VINSTON US CORP**

**MULTI-AXIS FORMER**

**SOFTWARE MANUAL**

UPDATED AS OF 07/01/2020

**CONFORMITY WITH CE**

**THIS MACHINE IS IN CONFORMITY WITH THE GENERAL  
REQUIREMENTS FOR SAFETY BY DIRECTIVES CE: MACHINES  
FOR REGULATION EN12100-1 EN12100-2 EN60204-1**

**CSA CERTIFICATION AVAILABLE IN NORTH AMERICA**

Each machine has complies with all safety requirements, both in the design of the machine and in the manufacturing process.

This instruction manual has been created according to regulations of the European Union and must be used to inform and instruct the operator on how to ensure operator safety and potential risks associated with using the machine.



The imbedded flash arrow-shaped tip within the isosceles triangle alerts the user of the presence of hazardous voltage that is not insulated and its intensity could pose a risk of electrocution.



The imbedded exclamation point within an isosceles triangle alerts the user of the presence of important instructions for the use and maintenance of equipment.

## SAFETY SIGNS

### Types of symbols and pictograms



**DANGER**  
MOVING PARTS, USER CAN BE IN DANGER DURING GENERAL USAGE (E.G.: CHOPPED, OR BROKEN COMPRESSION SPRINGS ETC...) FOLLOW INSTRUCTIONS/INDICATIONS CAREFULLY.



**ATTENTION**  
CAUTION: ELECTRIC CURRENT WITH RISK OF ELECTROSHOCK



**PROHIBITED**  
REMOVAL AND HANDLING OF THIS SAFETY DEVICE IS STRICTLY PROHIBITED.



**PROHIBITED**  
ANY OPERATIONS ON THIS MACHINE SUCH AS LUBRICATION ETC... WHEN THE MACHINE IS IN OPERATION IS STRICTLY PROHIBITED.



**PROHIBITED**  
POLLUTING THE ENVIRONMENT IS STRICTLY PROHIBITED. USED OIL MUST BE DISPOSED OF ACCORDING TO APPLICABLE REGULATIONS.



**MANDATORY**

IT IS MANDATORY TO WEAR PROTECTIVE GLASSES



**MANDATORY**

IT IS MANDATORY TO USE PROTECTIVE GLOVES



**MANDATORY**

IT IS MANDATORY TO WEAR PROTECTIVE SHOES.



**MANDATORY**

IT IS MANDATORY TO READ AND UNDERSTAND YOUR INSTRUCTION MANUAL BEFORE MAKING ADJUSTMENTS AND PERFORMING MAINTENANCE ON THE MACHINE.

**ATTENTION!**

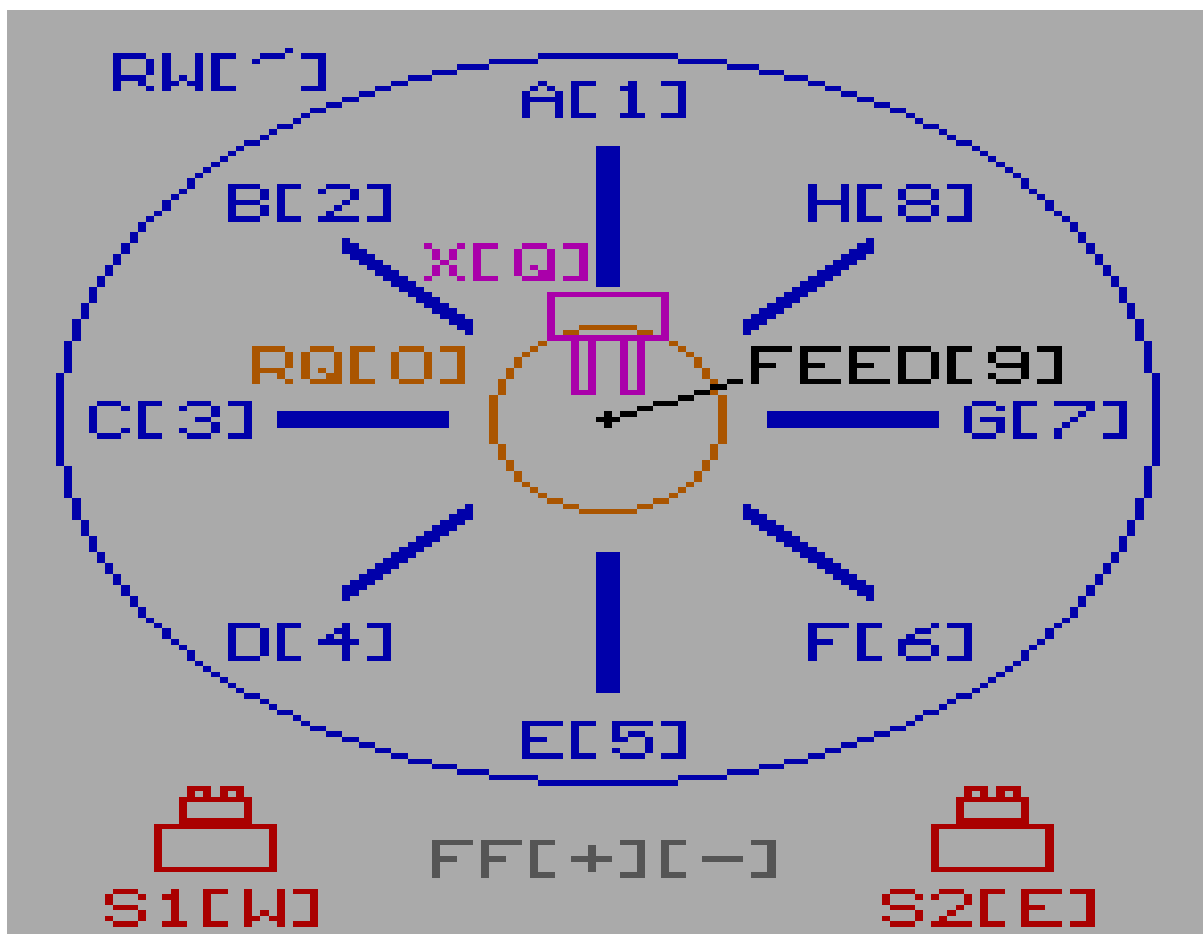
**IT IS STRICTLY PROHIBITED TO REMOVE ANY SAFETY SIGNS FROM THE MACHINE. IN THE EVENT THAT THE SIGN FALLS OFF OR IS DAMAGED, THE OPERATOR MUST REPLACE THE SIGN WITH A COMPARABLE REPLACEMENT THAT CAN DESCRIBE THE CHARACTERISTICS OF THE ORIGINAL MARKINGS.**

## 01 DESCRIPTION OF OPERATION

01.1 Number of controlled axes: 12 axes

01.2 Value command:

AXIS	Direction	Rotation Moving	Minimum Value	Motor Power
A	±Y	360°	0.1°	
	±X	± 20 mm	0.01 mm	
B	±Y	360°	0.1°	
C	±Y	360°	0.1°	
	±X	± 20 mm	0.01 mm	
D	±Y	360°	0.1°	
E	±Y	360°	0.1°	
	±X	± 20 mm	0.01 mm	
F	±Y	360°	0.1°	
G	±Y	360°	0.1°	
	±X	± 20 mm	0.01 mm	
H	±Y	360°	0.1°	
WIRE ROTATION	±	270°-320°	0.1°	
WIRE FEED	±	1.000 mm MAX	0.01 mm MIN	
ROTARY QUILL	±	360°	0.1°	



01.3 Method of control: all axes can be controlled synchronously or independently.

01.4 Feature Selection:

1. PRODUCTION MODE: Mode for automated feature
2. EDIT MODE: Mode to set and change parameters

01.5 Monitor: Color TFT-LCD

01.6 Memory: Over 2000 program capacity

01.7 Power: AC 220V + / - 10%, 3 phase, 50/60 Hz.

01.8 Working environment: 0-40 ° C, humidity below 80%

01.9 Air Capacity: 4-6 kg / cm <sup>2</sup>

01.10 Installation Note: If the voltage is not constant and exceeds the nominal voltage of ± 10%, it is necessary to add a voltage regulator.