

Following RUFF Heads and Tables are compatible with VC-STANDARD				
All RUFF Belt Heads	All RUFF Slider Heads	All RUFF Roller Tables	All RUFF Gear heads	All RUFF Taping Heads
RW 60-C	RW 10	RW 111	RW 0	RW 0/B
RW 100	RW 20	RW 111-V	RW 1	RW 1/B
RW 100-C	RW 25	RW 112	RW 2	RW 2/B
RW 200	RW 30	RW 222	RW 3	RW 3/B
RW 200-V	RW 40	RW 222-V	RW 4	RW 4/B
RW 300		RW 332	RW 4-V	RW 200B
		RW 333		RW 300B

Following VC Heads and Tables are compatible with all RUFF Bench Machines, like RWL,RWL-E,RWE,etc.						
BELT HEADS						
	VC60	VC100	VC200	VC200-V	VC300	
SLIDER HEADS & GEAR RACK HEADS						
	VC10	VC20	VC30	VC2	VC3	VC4
GEAR RACK HEADS & TAPING HEADS						
	VC44-V	VC45-V	VC0/B	VC2/B	VC3/B	VC300/B
ROLLER TABLES						
	VC111	VC111-V	VC112	VC222	VC222-V	VC332

Machine Model :VC-STANDARD

First class Technology and Components:

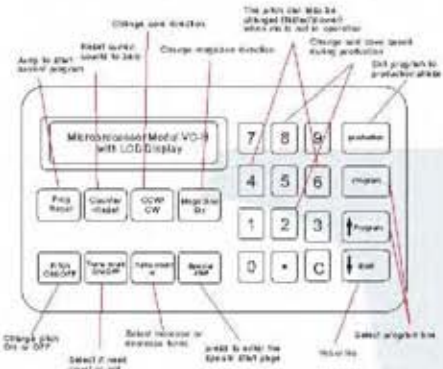
- Servo motors and Controls,like from Panasonic
- VC-Quick-Programming-System with 6 parameters in less than 1 minute
- VC-Teach-In-System with auto save of adjusted values and quick programming knob for immediate change of any parameter
- Set up in very short time-new operators can handle the machine immediately with clearly positioned buttons and switches
- Fully programmable with all modern machine functions
- Fully compatible with your old heads and tables from RUFF Brand
- Fully maintenance free



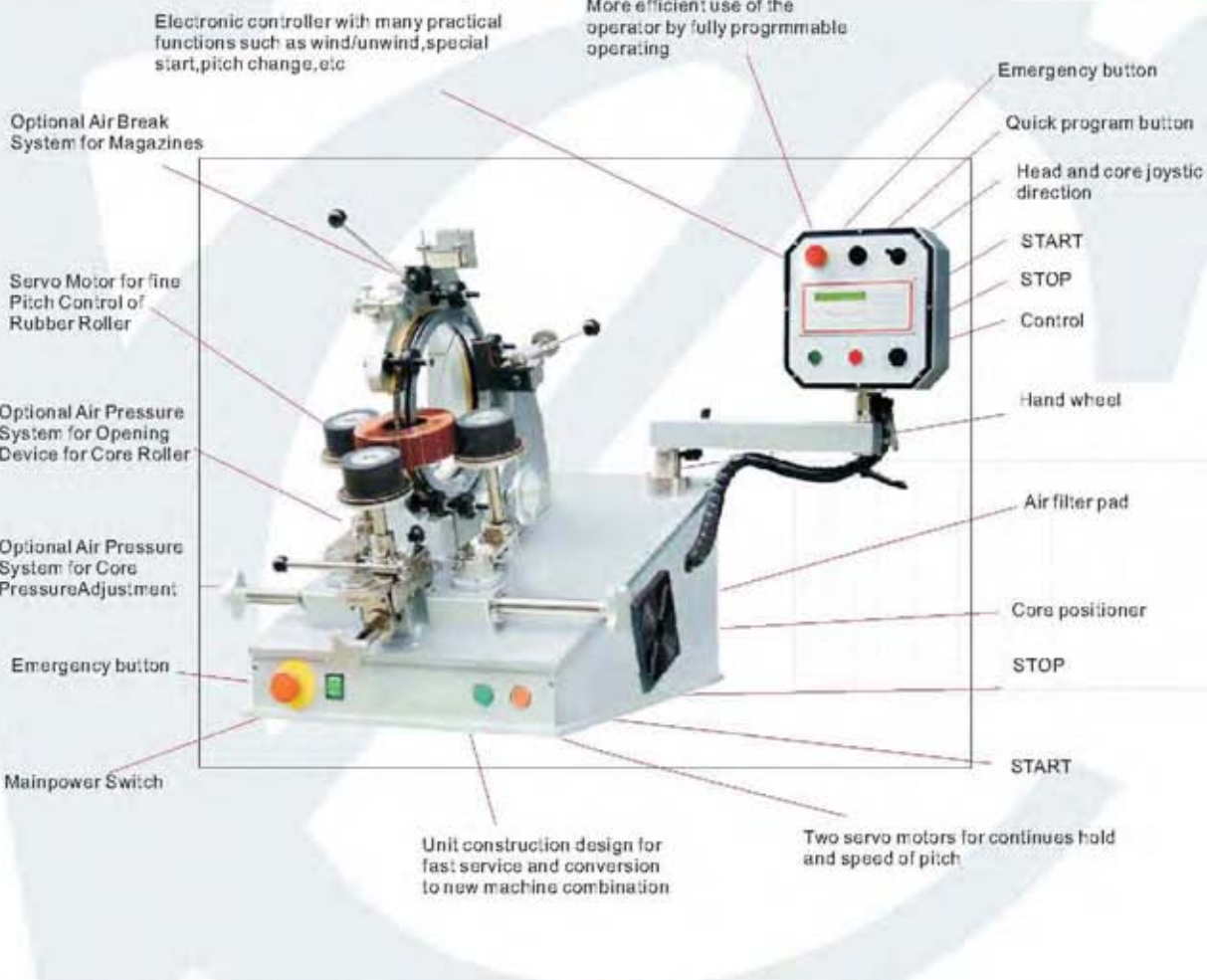
STANDARD LCD Machine Series



Microprocessor Modul VC-H with LCD Display



Coil Winding Program		Machine Set up Program	
Prog no? (01-200)	1	Head type? (Belt..Tape=Shift)	Belt (1)
Load? (Yes, No=Shift)	S01/01	Mag. joystick speed? (1-100%)	100 (3)
Load turns? (1-9999)	S01/02	Mag. joystick accel? (1-100%)	1 (4)
Wind turns? (0-999)	S01/03	Core joystick speed? (STOP MODE) (1-100%)	100 (5)
Pitch per turn? (0-3 STEPS)	S01/04	Core joystick accel? (1-100%)	1 (6)
Wind CW turns? (0-9999)	S01/05	Index speed? (1-100%)	100 (7)
Wind CCW turns? (0-9999)	S01/06	Clk action delay? (0.5-10.0 Sec)	9.9 (8)
Load accel? (1-100%)	S01/07	Batch quantity? (Pcs)	5 (9)
Load top speed? (1-100%)	S01/08	Machine Usage? (hours)	55h (10)
Load slow turns? (0-200)	S01/09	Rest counter? (Yes/No=Shift)	Yes (18)
Load decel? (1-100%)	S01/10	Charge Progrm Capacity (Prog X Seq = 8000)	200 (11)
Load finish speed? (1-100%)	S01/11	Select M/C Number: (1-200)	1 (12)
Wind accel? (1-100%)	S01/12	In: 00000000 00000000	0/000 (13)
Winding top speed? (1-100%)	S01/13	Ver: 3FL2AA00	0/4
Wind slow turns? (0-200)	S01/14	Date: 2000/09/06	
Wind decel? (1-100%)	S01/15	Overturn count (Yes/No)	Yes (15)
Winding fin speed? (1-100%)	S01/16	Motor 1 ALARM mode: Pass (No-C=Pass=Shift)	(16)
Core start dir? (CW/CCW=Shift)	S01/17	Core Joystick Speed: (STOP MODE) (1-100%)	50 (17)
Stop after wind? (Yes, No=Shift)	S01/18	Auto Lock	279823 (18)
Core index? (CW/CCW/No=Shift)	S01/19		
Teach Distance Index? 0.200 JS+C+J+S-SHIFT	S01/20		
Stop after index? (Yes, No=Shift)	S01/21		
Next sequence? (Yes, No=Shift)	S01/22		



V&C Production Advantages

Programming in less than 1 minute with the new V&C Quick Programming System that needs the programming of major functions only (Load turns, Wind turns, Pitch) while retaining all programmable functions known today in the toroid winding industry.

Machine set up in less than 1 minute with the V&C Teach-in System that enables pitch and speed adjustment during winding with automatic saving of the improved value.

Production Capability		
	mm	Inch/AWG
Single wire size	0,05 - 2,5	44 - 11
Bifilar wire size	2 x 1,6	2 x 13 _{sc}
Finished Core O.D.	5,0 - 300	0,2 - 12
Finished Core I.D.	From 1,5	From 0,06
Finished Core Height	Up to 150	Up to 5,9
Tape Size	4 - 30	0,05 - 1,18

V&C Production Advantages

Perfect machine control with 3 standard speed control options: Foot-pedal or Hand-control or Start-automatic for selection of the most suitable control system for your application.

Change Program - with the new quick programming knob you have immediate access to all parameter.

TECHNICAL DATA

CONTROLLER:
MICROPROCESSOR CONTROLLER

DISPLAY:
LCD-DISPLAY WITH BACKGROUND ILLUMINATION: CONTINUOUS READ OUT OF OPERATION DETAILS

PROGRAM CAPACITY:
THE CAPACITY IS VARIABLE, I.E. :
8000 PROGRAMS WITH 1 SEQUENCE
200 PROGRAMS WITH 40 SEQUENCES
1 PROGRAMS WITH 8000 SEQUENCES

PROGRAMMING:
USER FRIENDLY TEXT COMMANDS
SEPARATE MENUE FOR BASIC SET UP

DATA MEMORY AND OUTPUT:
INTERFACE FOR PC
INTERFACE FOR SOFTWARE UPDATES

WINDING SPEED:
UP TO 1800 RPM
SEPARATELY PROGRAMMABLE LOAD SPEEDS
SEPARATELY PROGRAMMABLE WIND SPEEDS

CORE DRIVE:
SERVO MOTOR 0,30 KW.

WIRE PITCH CONTROL:
FULLY AUTOMATIC PITCH CHANGE
PROGRAMMABLE IN STEPS OF 0.001MM

CORE INDEX & REVERSE CONTROL:
FULLY AUTOMATIC

ACCELERATION & DECELERATION:
FULLY AUTOMATIC

STOPS FOR TAPS:
AUTOMATIC

SECTOR & BANK WINDING CONTROL:
FULLY AUTOMATIC

TAPING OPERATION:
FULLY AUTOMATIC

WINDING HEAD DRIVE:
SERVO MOTOR 0.8KW

SUPPLY VOLTAGES:
230 (110 AND 240) VOLT, 50 HZ AC

MACHINE SIZE AND WEIGHT:
800x700 MM, 100 KG NET, 130 KG GROSS