

Function List

Supported Not Supported Option installation is possible

Functions

Basic Functions

		C551Se C511e	C555Se C515e	C558Se C518e	C550SZTSe	C556SZTSe	C550S TSWIIe
Crimp Force Monitor	It monitors the pressure during terminal crimping.						
Pressure Waveform Display	Pressure during crimping is displayed in a waveform on the operation panel.						
Both Ends Strip	Front and rear ends are stripped.						
Both Ends Half Strip	Front and rear ends are half stripped.						
Front Crimping	Terminal is crimped at the front end.						
Rear End Crimping	Terminal is crimped at the rear end.						
Rear End Soldering	Rear end core wire is preliminary soldered.						
Front End Twisting	Front-end core is twisted.						
Rear End Twisting	Rear-end core is twisted.						
Clockwise Twisting	Core is twisted clockwise.						
Counterclockwise Twisting	Core is twisted counterclockwise.						
Cut Mode	Core is first twisted and then a tip is cut .						
Front Seal Insert	Waterproof rubber seal is inserted at the front end.						
Rear Seal Insert	Waterproof rubber seal is inserted at the rear end.						

Useful Functions for Setting Change

Crimp height automatic reproduction mechanism	This mechanism stores the ram height together with the processing data and reproduces the ram height automatically when the data is retrieved later.						
Sample Processing	Only the total length is processed at a specified length when checking crimp height, etc.						
Remaining Length	When connecting two pieces of wire, it stops at a connecting position.						
Crimp Height Adjustment from the Panel	Crimp height can be adjusted exactly from the operation panel.(0.001mm)						
Crimp Force Automatic Adjustment	The unit automatically adjusts to a specified crimp force.						
Step Feed Adjustment	You can adjust each part in a step feed mode.						
Process Data Storage	You can store almost all settings displayed on the operation panel.(500kinds)						
Memo (Adjustment Setting) Storage	You can input manually adjustable settings.						
Data Search	You can search data by specifying a name.						

Useful Functions

Batch pieces	Example: When processing 1000 pieces of wire in total, you can set it to make ten 100 pieces bundles.						
Subtotal	This is a counter only for good products. By resetting the counter to '0' every morning, you can check how many good products are processed on that day.						
Variable Strip Speed	You can change a stripping speed.						
Variable Cutter Speed	You can change a cutting speed.						
Crimper Single Operation	You can operate only the crimper from the operation panel.						
Measurement Adjustment	You can adjust the setting length and process length.						
Separate Setting for the Front and Rear Cutters	You can set the front and rear end cutters separately.						
Process End Time	It displays when the present processing is completed in hour, minute and seconds.						
No-good Product Screening	A product, which was determined to be no good, shall be discharged from the no-good discharge tray.						
Off-line Programming	Processing data is to be programmed with other PC, and to be transferred to the machine with Diskette.						

Functions for Better Quality

Y BACK Mechanism	The cutter is moved back during stripping to prevent damage to the core.						
Shift-Down (Recall Crimping Method)	The wire shall be shifted down into the terminal before crimping. This ensures higher crimping accuracy.						
Variable Grip Position	Regardless of a type and make of the applicator, the gripper always holds the wire at a closest point to the applicator. This ensures higher crimping accuracy.						

Functions Enabled by Computer

Windows 2000	The computer uses Windows 7 as the operation system.						
Printer Connection	The unit can be connected to a printer.						
Communication with an External Computer	You can set up communication between the unit and an external computer.						
USP Facility	This is a battery to protect the computer against an unexpected power failure.						
Memory Lock	You need to enter a security code when overwriting the data.						
Process Log Storage	The unit stores each process log for three months.						
Log Read Out (USB Memory)	You can read out each process data from the computer.						
Hour Meter	A counter for the total process time.						
Patc-Light	This lamp indicates a condition of the unit with three different colors.						

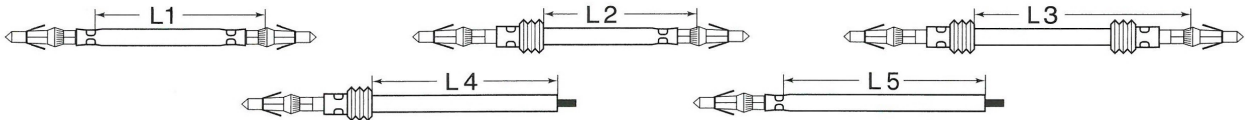
※ C55Xe series 2,000 types (infinite by using USB memory). There are 500 types of C51Xe series.

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Operation Panel		C551Se C511e	C555Se C515e	C558Se C518e	C550SZTSe	C556SZTSe	C550S TSWIIe
10.4" Display	A large-sized LCD for a machine tool.						
Touch Panel	You can input data by directly touching the operation panel.						
1,6770,000 Color Display	The monitor is a full color LCD display.						
Visualized processing data	The picture of wire on the display changes with achange of process.						
Graphical Display	Each item is displayed in graphics						
Crimping Waveform Display	Crimp force is displayed for each wire in a waveform.						
Swivel Monitor	You can swivel the operation panel horizontally.						
Language switch display	Japanese·English·Korean·Classical &Simplified Chinese·Spanish·Vietnamese IndonesianJapanese·English·Korean·Spanish·Vietnamese·Indonesian						
	Japanese·English·Korean·Classical &Simplified Chinese						
	Japanese·English·Korean						

Crimp Force		Detectable					
Core Wire Partially Cut	Core wire is partially cut off.						
Core Wire Cut	Core wire is completely cut off.						
Strip Failure	Wire is not stripped off.						
Core Wire Sticking-out	Core wire is sticking-out from the terminal . (Core wire is not crimped together)						
Crimping Failure	A terminal is not crimped on the wire.						
Double Crimping	Terminals are crimped twice on a single wire.						

★Detecting level of the crimp force may be changed according to terminals and wires to be processed.

Dimension	C551Se/C511e	C555Se/C515e	C558Se/C518e	C550SZTSe	C556SZTSe	C550STSWIIe
Front Setting Range	0.1~30mm			0.1~30mm ※1		
Rear Setting Range	0.1~20mm			0.1~30mm ※1		
Minimum Processing Dimension※2 [] is possible by attaching options.	L1≥44mm [25mm]	L2≥44mm [25mm]	L3≥44mm [25mm]	L4≥40mm [25mm]		L5≥40mm [25mm]
						
Maximum Cutting Length	99,999mm (Approx100m)					
Cutting Tolerance	within±(0.2+0.002×L) mm L=Cutting Length					

Crimping Unit	
Crimp Terminal	Open Barrel Continuous Terminal (Left-to-right side feed, End feed), Flag Terminal
Crimping Capacity	2,5ton(C5113t is 3ton)
Stroke	30mm or 40mm
Type	D.C.Servomotor

Supply		Single phase AC200V, AC220V, AC240V 50/60Hz					
Power Rating							
Air Supply(Nℓ /min 0.5Mpa) ※3		25	35	45	45	55	50
Electric Power Consumption	At Rest	325w	365w	416w	527w	375w	960w
	Maximum	1,010w	990w	1,074w	992w	878w	1,403w

Dimension and weight	
Width (m)	1,090
Length (m)	780
Height (m)	1,550
Weight (kg)	450
	480
	510
	355
	385
	372

Applicable Wire	
Applicable Wire Diameter	AWG#12~AWG#32 (dependent on wire type)
Applicable Wire Type	AV, AVS, AVSS, CAVUS, KV, KIV, UL, IV, Teflon wire, Glass wire, etc.

※1 Total length of front and rear strips is 47 mm or less (excluding special processing).

※2 These values can be variable depending on the wire and terminal types, we recommend to perform a test processing in advance. ※3 Clean dry air required.