

# CC1000 Production / Industrial Hose Crimper



The CC1000 Series hose crimper with the Patented ACT™ Controller and 485 tons of crimping force has the capability to crimp hoses from ¼" up to 10" in diameter.

## UNIQUE USER FRIENDLY PATENTED ACT™ CONTROLLER

- Fully adjustable crimp to diameter.
- Production capabilities.
- Pressure Compensation uses pressure to eliminate "trial and error".
- Memory capacity for accurate repeatability.
- Automatically converts inch to mm and mm to inch so that no calculation is ever required.



Max Head Opening W/O Dies: Can accommodate 8" 150 lbs SAE flange.



## CC1000 CRIMPER OPERATORS MANUAL WITH ACT™ CONTROLLER



## SAFETY PRECAUTIONS



### SAFETY PRECAUTIONS



- READ INSTRUCTIONS AND IDENTIFY ALL COMPONENT PARTS BEFORE USING CRIMPER.
- CRIMPER CC1000 CAN PRODUCE 485 TONS OF CRIMPING FORCE.
- KEEP BOTH HANDS AWAY FROM PINCH POINTS.
- CONSULT HOSE AND FITTING MANUFACTURER FOR CORRECT MACHINE SETTINGS AND CRIMP MEASUREMENTS.
- ALWAYS WEAR EYE PROTECTION.



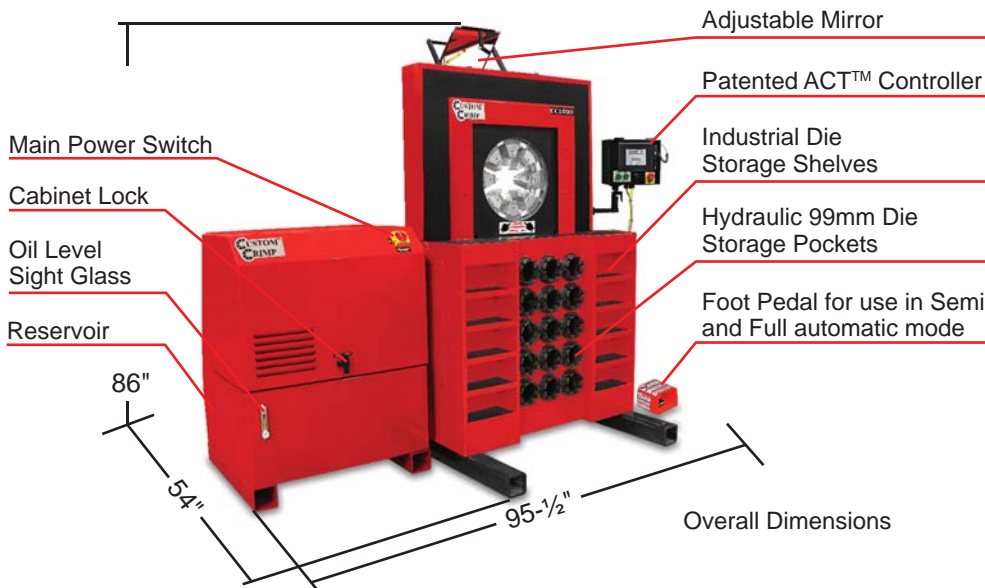
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# CC1000 Production / Industrial Hose Crimper

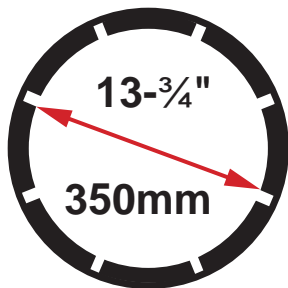


## COMPONENT PARTS & TECHNICAL DATA

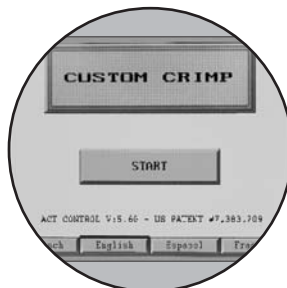


Technical Data
485 Ton
*3" - 1 - 2 Wire
*3" - 4SP and 6SP
*Max Industrial: 10"
Crimper Size: L: 54" x W: 62" x H: 86"
Power Unit Size: L: 28" x W: 33-1/2" x H: 45"
Weight: 6,185 lbs
Power: 7.5HP/230V/3Phase (Standard) 7.5HP/440V-480V/3Phase (Optional) 5HP/230V/1Phase (Optional)
Adjustability: Inch / Metric
Die Series: 99S /145S / 230S / 230OB
Opening w/o dies: 350mm / 13.75"
Master die inside diameter: 230mm / 9.1"
Master die travel: 125mm / 4.9"
Reservoir capacity: 45 US Gallons
Oil type: ISO 46 Hydraulic Oil

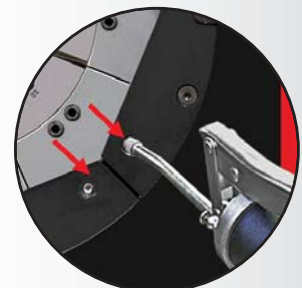
\*Crimper capacity is estimated based on typical 1-piece fitting. Actual results may vary depending on the hose and fitting manufacturer.



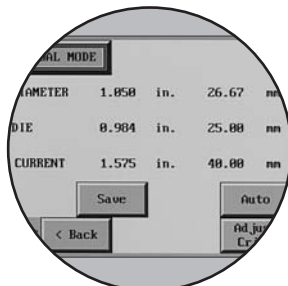
**Max Head Opening W/O Dies:** Can accommodate 8" 150 lbs SAE flange.



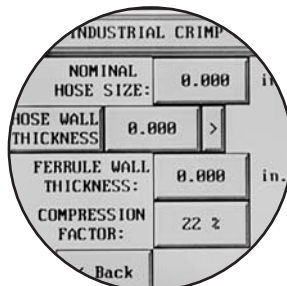
**Patented ACT™ Controller:** Offers 4 language settings to choose from English, Espanol, Deutsch and Francais.



**Easy Lubrication Maintenance:** Through the 10 lubrication fittings.



**Features Of Operator Interface:** User Friendly navigation, Manual Mode, Semi Auto Mode, Full Auto Mode and Production Features.



**Industrial Crimp Calculator:** Takes guesswork out of industrial crimping.



**Manual Back Stop:** Makes hydraulic hose production crimping fast and accurate.

# CC1000 Production / Industrial Hose Crimper



## INITIAL SET UP

- Check the oil level in the sight glass gauge on the front of the reservoir.
- 50 U.S. gallons of ISO 46 hydraulic oil is required to completely refill the reservoir.

**Note:** Oil can be drained from either of the two ports at the rear bottom of the reservoir.

An additional oil cooler, while not normally required, can be plumbed into the two ports at the rear bottom of the reservoir.

- Check electrical circuit to be certain that it matches to the crimper requirements as shown on the voltage decal on the electrical enclosure.

### Electrical Requirements:

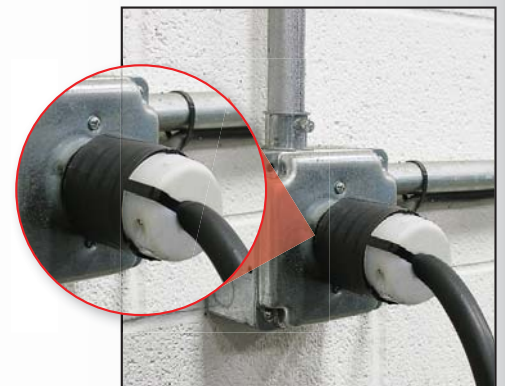
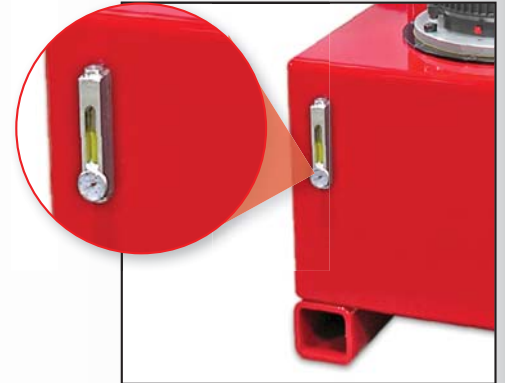
7.5HP/230V/3Phase (20 Amp)  
7.5HP/440V-480V/3Phase (20 Amp)  
5HP/230V/1Phase (30 Amp)

- Plug the cord directly into the appropriate wall outlet.

**Caution:** Do not run the crimper on an extension cord as low voltage can damage the motor and / or electrical components.

- Check to be certain that the motor rotates in the direction of the arrow shown on the motor housing.
- If motor rotation is incorrect reverse any two hot wires in the crimper plug.

**Note:** Damage to the pump can result if the motor does not rotate in the correct direction.







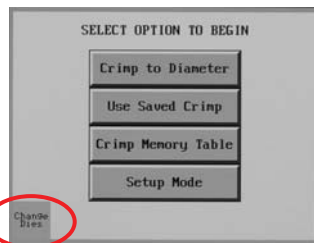
## ADAPTER DIE INSTALLATION

### ADAPTER DIE INSTALLATION:

**Note:** 230 mm to 145 mm and 145 mm to 99 mm Adapter Dies are available with the crimper. Adapter dies are held in place the die locking pins (as shown in photo #1).

The I.D. of the adapter dies must match the O.D. of the corresponding adapter die or hydraulic die or accurate crimps can not be made.

**Note:** Tap the START button then CHANGE DIES button in the lower left corner of the screen; it will start to flash. This button allows you to “jog” the crimper head in and out during die installation using the green CLOSE and OPEN button below the screen on the front of the ACT™ Controller.



- Bring the master dies to the fully opened position (as shown in photo #2). To have access to the master die locking studs.
- Install the 230 mm to 145 mm Adapter Dies (as shown in photo #1).
- Install the 145 mm to 99 mm Adapter Dies (as shown in photo #3).

**Note:** The die size stamped on the face of the adapter dies should face toward the operator.

**Note:** Use the T-Handle Wrench provided to loosen and tighten the master die locking studs to secure the adapter dies (as shown in photo #4).



Photo #1

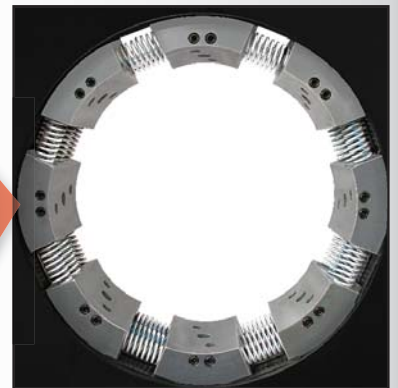


Photo #2

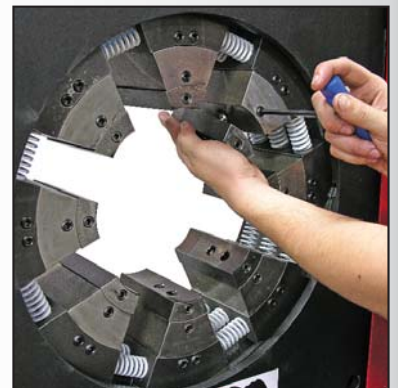


Photo #3

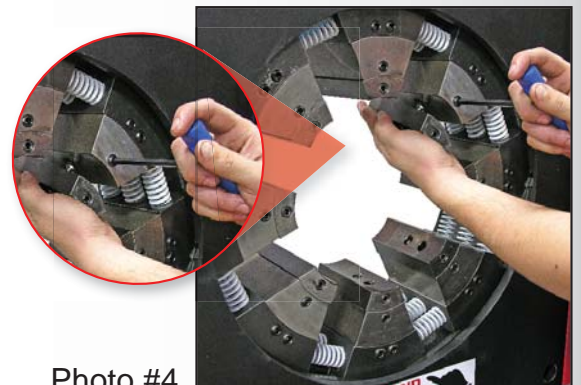


Photo #4

# CC1000 Production / Industrial Hose Crimper



## HYDRAULIC DIE INSTALLATION

### HYDRAULIC DIE INSTALLATION:

- With the 230 mm to 145 mm and 145 mm to 99 mm Adapter Dies installed, use the Quick Change Tool to install the hydraulic dies.

The I.D. of the adapter dies must match the O.D. of the corresponding hydraulic die or accurate crimps can not be made.

**Note:** Tap the START button then CHANGE DIES button in the lower left corner of the screen; it will start to flash. This button allows you to “jog” the crimper head in and out during die installation using the green CLOSE and OPEN button below the screen on the front of the ACT™ Controller.



Photo #1

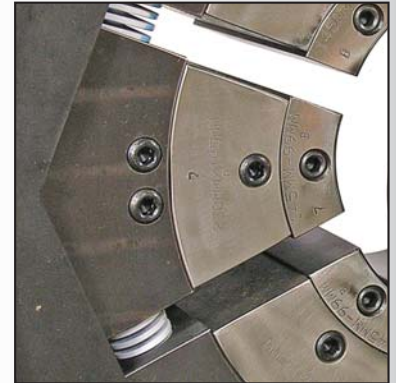


Photo #2

- Bring the crimper head to fully opened position and install the Hydraulic Dies with the quick change tool (as shown in photo #1).

**Note:** The die size stamped on the face of the hydraulic dies should face toward the operator.

- Align the studs of the Hydraulic Dies with the holes in the Adapter Dies and with the crimper in manual mode SLOWLY close the crimper head on the hydraulic die set (as shown in photo #2).

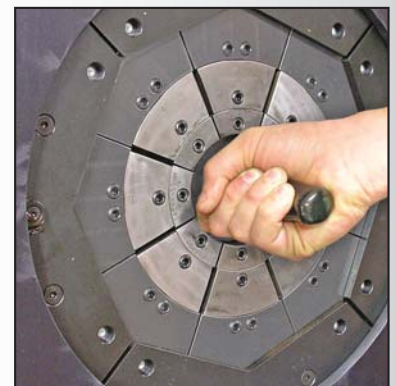


Photo #3

- Bring the crimper head to a fully closed position (as shown in photo #3).

- Remove the quick change tool as shown in photo #4).

**Note:** The Hydraulic Dies may also be inserted manually with the crimper head in the fully open position.

**Note:** For Hydraulic Die removal, place the crimper in manual mode and bring the crimper head to a fully closed position. Insert the quick change tool and open the crimper head releasing the Hydraulic Dies from their spring retention holes.

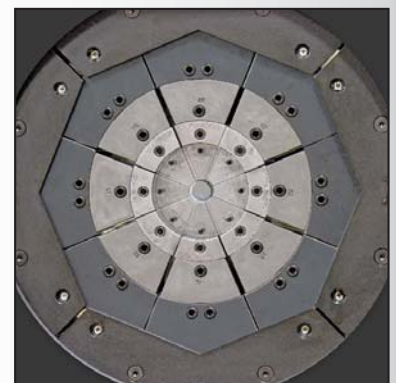
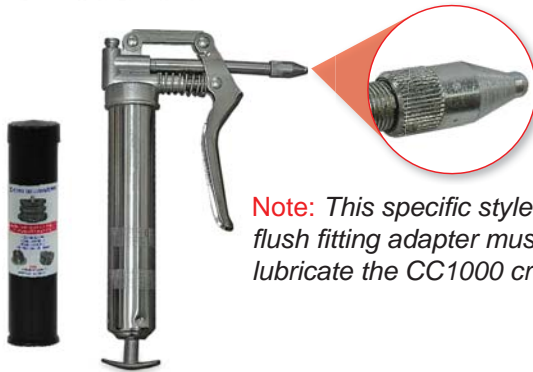


Photo #4

# CC1000 Production / Industrial Hose Crimper



## LUBRICATION PROCEDURE



**Note:** This specific style of grease gun flush fitting adapter must be used to lubricate the CC1000 crimper.

**Note:** Use the mini grease gun w/ flush fitting adapter and CrimpX grease (supplied with crimper) or a high quality moly-disulfide grease.

*Failure to lubricate the crimper can cause premature failure, loss of accuracy and may result in costly repairs to the crimper.*

- Lubricate the crimping head after each 400 crimping cycles or at the start of each shift if the crimper is used in a production setting.

**Note:** Tap the START button then CHANGE DIES button in the lower left corner of the screen; it will start to flash. This button allows you to “jog” the crimper head in and out during die installation using the green CLOSE and OPEN button below the screen on the front of the ACT™ Controller.

- Bring the master dies to the fully closed position, and lubricate the master dies through the 8 lubrication fittings in the protective plates (as shown in photo #1).

- With the dies still in the fully closed position, lubricate the (2) lubrication fittings visible through the two bottom lubrication fittings in the face of the crimper (as shown in the photo #2).

**Note:** Parking the crimper in the full open position when not in use will prolong the life of the master die springs.

- Check the wear surfaces for grease. If the surfaces show any signs of wear, apply more grease. If you touch the wear surfaces, you should see a thin layer of grease on your finger.

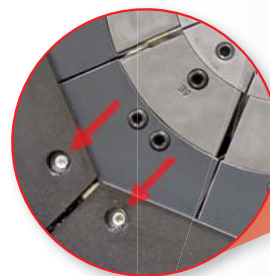
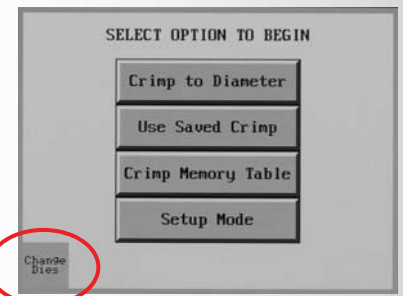


Photo #1

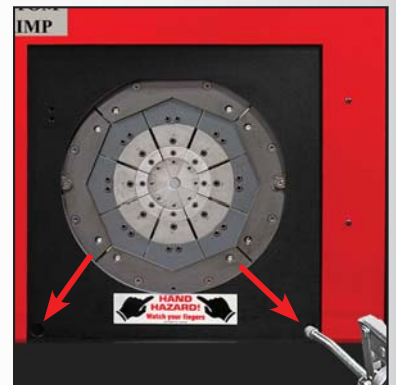
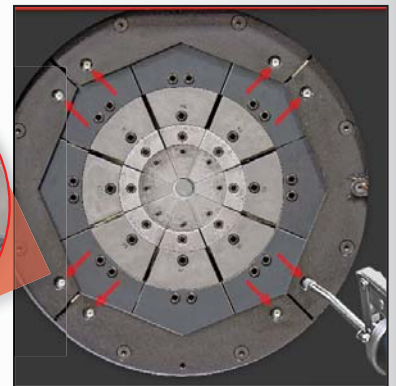


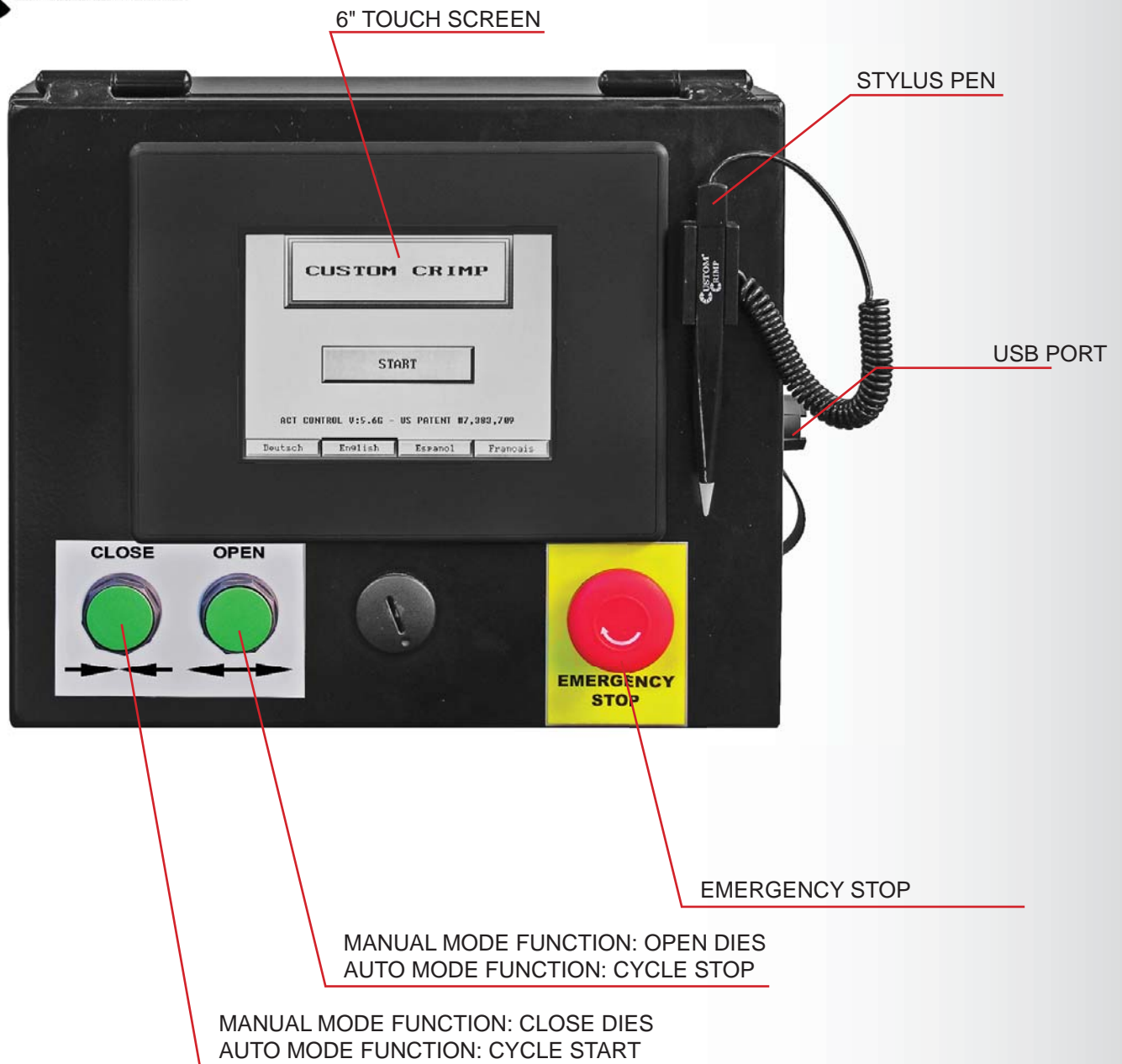
Photo #2



# CC1000 Production / Industrial Hose Crimper



## AccuCrimp ACT™ CONTROL PANEL



**NOTE:**  
IF THE CRIMPER IS IN **MANUAL MODE**, THE GREEN OPEN/CLOSE BUTTONS WILL OPEN AND CLOSE THE CRIMPER HEAD.  
IF THE CRIMPER IS IN **AUTO MODE**, THE BUTTONS FUNCTION AS CYCLE START AND CYCLE STOP BUTTONS.  
IF THE CRIMPER IS IN **SEMI-AUTO MODE**, PRESSING THE FOOT SWITCH OR THE CLOSE BUTTON WILL CLOSE THE CRIMPER HEAD AND RELEASING WILL HALT THE CLOSING ACTION.

Products covered by all or some of these Patents:  
US 7,383,709; US 8,230,714; EP 1,909,987 and Patents Pending.

# CC1000 Production / Industrial Hose Crimper



## AccuCrimp ACT™ CONTROL PANEL QUICK START

While the ACT™ crimper has the ability to perform a number of fully automatic functions, manual operation is also possible. To make a manual crimp, two numbers are needed:

**The closed diameter of the die** (in either inches or mm).

**The finished crimp diameter** (in either in or mm)  
That's all you need to know. ACT™ does the rest.

### TO MAKE A MANUAL CRIMP:

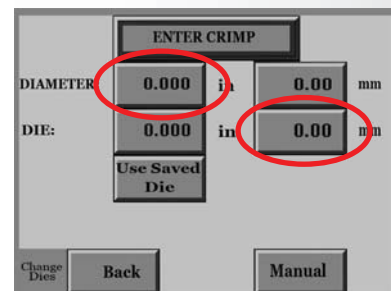
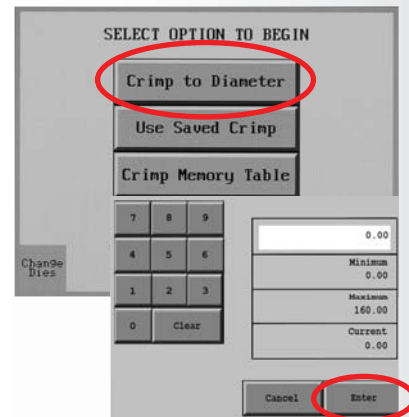
- Press **START** button.
- Select **CRIMP TO DIAMETER**.
- Enter the closed diameter of the die set in either in or mm and press **ENTER**. *Note: for a 25mm die, enter 2500. ACT™ will add the decimal point.*

**Decimal point entry:**  
*For 1.56 inch entry, enter 1560 (Controller supplies 3 places for entries in inches).  
For a 50.0 mm entry, enter 5000 (Controller will supply 2 decimal places for entries in mm).*

- Enter the finished crimp diameter and press **ENTER**.
- From the **ENTER CRIMP** screen, press the **MANUAL** button to put the crimper in manual mode.
- Confirm that the die and finished crimp diameters are correct and that **MANUAL MODE** is displayed.
- Press and hold the green **CLOSE** button until the crimper stops closing.
- Check the final crimp diameter. If a minor correction is required see [HOW TO MAKE MINOR CORRECTIONS](#).

*Tip: Pressing the **CHANGE DIES** button allows the crimper head to be fully opened or closed with the green **OPEN-CLOSE** buttons on the controller front panel. When the **CHANGE DIES** button is blinking the dies can be opened and closed manually without altering any of the crimper settings.*

**Note:** When using the overbore (OB) dies you must use the **SAVED DIE** feature. Press the **USE SAVED DIE** to select the correct die set from the die memory table.





## AccuCrimp ACT™ CONTROL PANEL QUICK START

### HOW TO MAKE MINOR CORRECTIONS

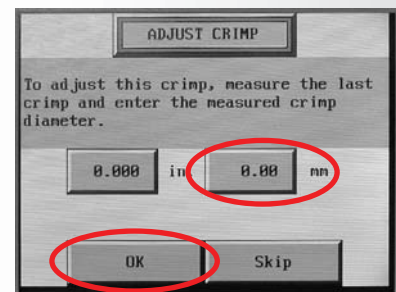
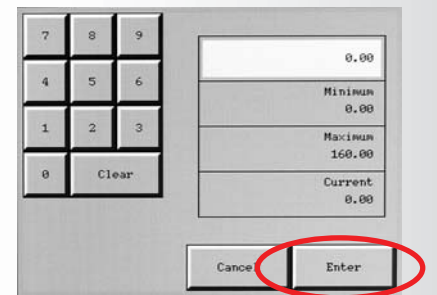
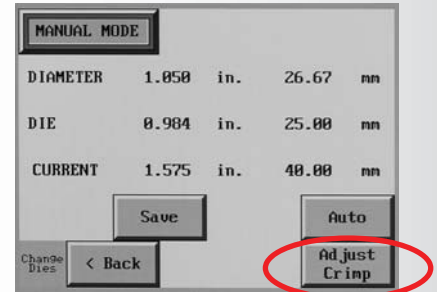
• Due to variations in hose and fitting tolerances a minor crimp adjustment may be required if the measured diameter of the final crimp is not within the hose and fitting manufacturer's specifications. ACT™ technology makes minor corrections a simple process which requires no addition or subtraction.

*If the finished crimp diameter is not within the required specifications:*

- Press the **ADJUST CRIMP** button.
- Enter the measured diameter of the fitting in either inches or mm (**Do not enter the amount of correction**) and press **ENTER**.
- Press **OK**.
- Make another crimp and verify that the fitting is within specifications.

**EXAMPLE:** *If the hose and fitting manufacturer specifies that the finished crimp should measure 1.500 to 1.520 and the measured crimp diameter was 1.530, simply enter the measured diameter (1530 - Controller will supply 3 decimal places) and press **SAVE**. The finished crimp diameter can be entered in either in or mm and ACT™ will make the conversion.*

While a single correction will usually bring the hose and fitting into specifications, the process can be repeated as many times as is required.





## AccuCrimp ACT™ CONTROL PANEL QUICK START

### HOW TO ADD A SAVED DIE

Up to 50 different dies can be saved in the computer memory. These dies can be recalled in the set up process eliminating the need to re-enter the die size each time.

To enter a saved die:

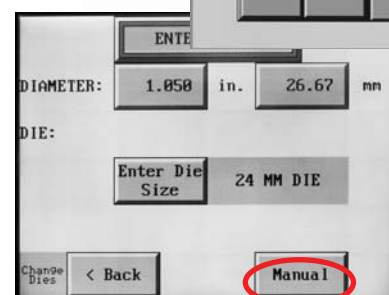
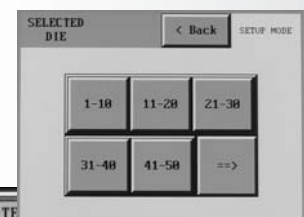
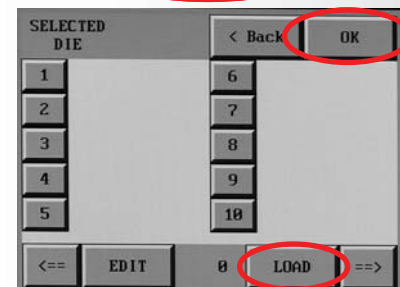
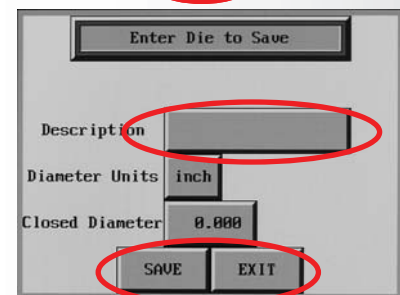
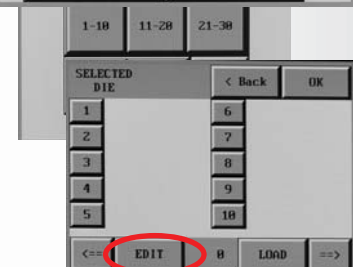
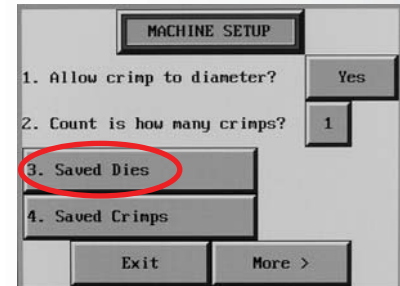
- From the **OPTION** screen, press **SETUP MODE**.
- Select **SAVED DIES**.
- Select the save position (1-50) where the die is to be saved and press the **EDIT** button.
- Enter a die description (up to 12 alpha/numeric characters).
- Enter diameter units (inch or metric).
- Enter the closed diameter of the die.
- Press **SAVE** and **EXIT**.
- The saved die will now appear on the **SELECTED DIE** screen. From this screen individual dies can be cleared or edited.

### HOW TO RECALL A SAVED DIE

- Select **CRIMP TO DIAMETER**, and from the **OPTION** screen, select **USE SAVED DIE**.
- Select the saved die (1-50) and press **LOAD** and then **OK**. The die parameters will now be used for the crimp process.

From the **ENTER CRIMP** screen press **MANUAL**.

- The saved die will now be shown on the crimp parameters screen.



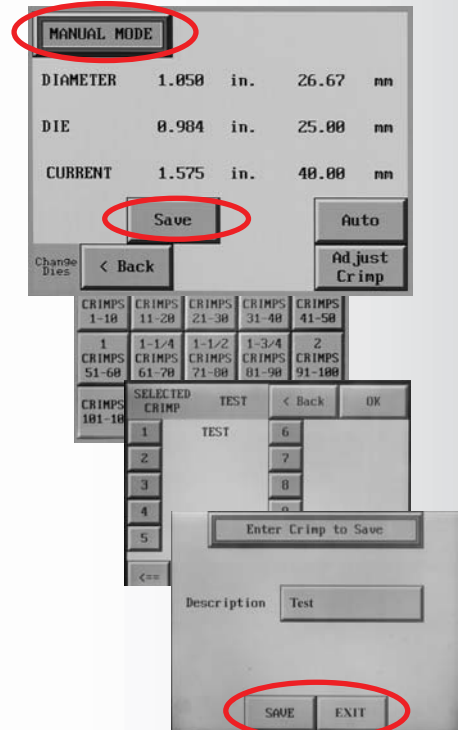




## AccuCrimp ACT™ CONTROL PANEL QUICK START

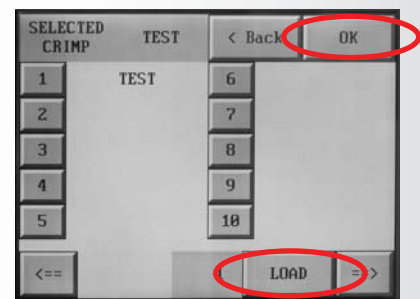
### HOW TO ADD A SAVED CRIMP

- Adjust the die diameter and crimp diameter as required and place the crimper in **MANUAL** mode.
- Press **SAVE**.
- Select a location (1-100) and press **EDIT**.
- Enter a description (up to 12 characters).
- Press **SAVE** and **EXIT**.
- The die and crimp setting can now be recalled from the saved location as required.



### TO RECALL SAVED CRIMP

- Select **USE SAVED CRIMP** from the option screen.
- Select a previously saved crimp from location 1-100.
- Press **LOAD**.
- Press **OK**.
- The saved crimp will appear on the manual screen.





## AccuCrimp ACT™ CONTROL PANEL QUICK START

### FULL AUTO MODE

With the crimper in **FULL AUTO** mode additional functions are available:

- The crimper will cycle automatically from the **CRIMP** button on the touch screen, the green **CYCLE START** button on the panel, or the foot switch.
- To set the position to which the dies will retract, close the crimper to the desired retract position prior to pressing the **FULL AUTO** button.

*Note: The retraction position must be set a minimum amount above the finished crimp diameter or the crimper will not retract. The minimum retraction diameters are:*

- CC38 - Crimp Diameter plus 2 mm
- CC4-50 - Crimp Diameter plus 2 mm
- CC60 - Crimp Diameter plus 3 mm

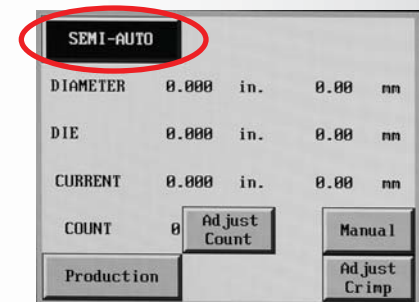
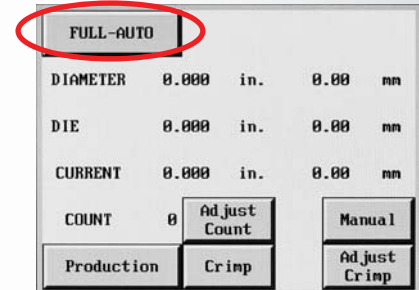
- Pressing the **FULL AUTO** button will toggle the crimper into **SEMI-AUTO** mode. In **SEMI-AUTO** mode, pressing the **FOOT SWITCH** or the **CLOSE** button will close the crimper head and releasing it will cause the head to stop closing. This mode allows the crimper to be jogged into position allowing more precise positioning of a fitting in the dies. Pressing the **SEMI AUTO** button will toggle the crimper back to **FULL AUTO** mode

In **FULL AUTO** mode pressing the foot switch will start the crimp cycle and the dies will stop closing when the crimp cycle is complete.

- The **COUNT** function is activated allowing the operator to monitor the number of crimps made.
- A measurement can be required after a preset number of crimps. See **SET REQUIRED MEASUREMENT**

### SET REQUIRED MEASUREMENT

- Press the **PRODUCTION** button.
- Determine if 1 or 2 crimps will count as a crimp
- Toggle the **CRIMP ADJUSTMENT REMINDER** to **ON**.
- Set the **COUNTS BETWEEN CRIMP MEASUREMENTS** to the desired number and press **OK**.
- At the set interval, the **ADJUST CRIMP** screen will come up and the operator will be asked to measure the last crimp and enter a correction if required.



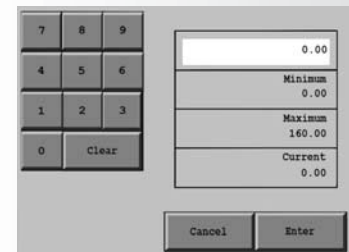
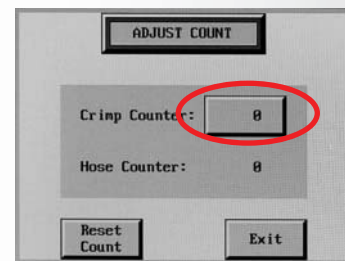
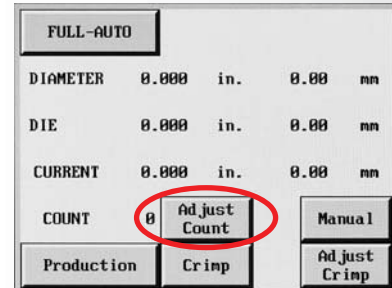


## AccuCrimp ACT™ CONTROL PANEL QUICK START

### ADJUST CRIMP COUNT

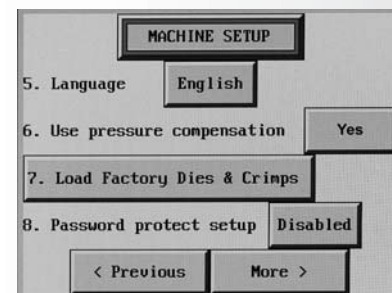
If a production operation is interrupted for some reason, it is possible to reset the counter to where the operation was at the point of interruption.

- Press the Adjust Count button from the auto crimp screen.
- Press the Crimp Counter and reset the count to the desired point.



### ACT™ ADDITIONAL FEATURES

- Additional features and functions of the ACT™ controller can be accessed by pressing the **MORE** button on the **MACHINE SET UP** screen.
- When “Allow Crimp to Diameter” is set to “**YES**”, all of the adjustment functions of the crimper are available. When “Allow Crimp to Diameter” is set to “**NO**” only the settings entered as a saved crimp can be used.
- English or Spanish language options are available.
- The “Use Pressure Compensation” is set to “**YES**” for all crimpers equipped with a pressure transducer. A security code is required to turn this function on or off.





## AccuCrimp ACT™ CONTROL PANEL QUICK START

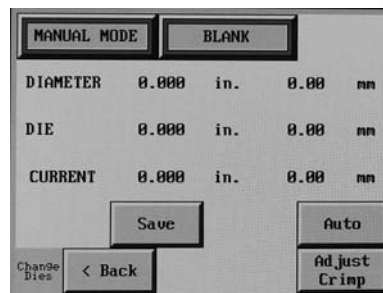
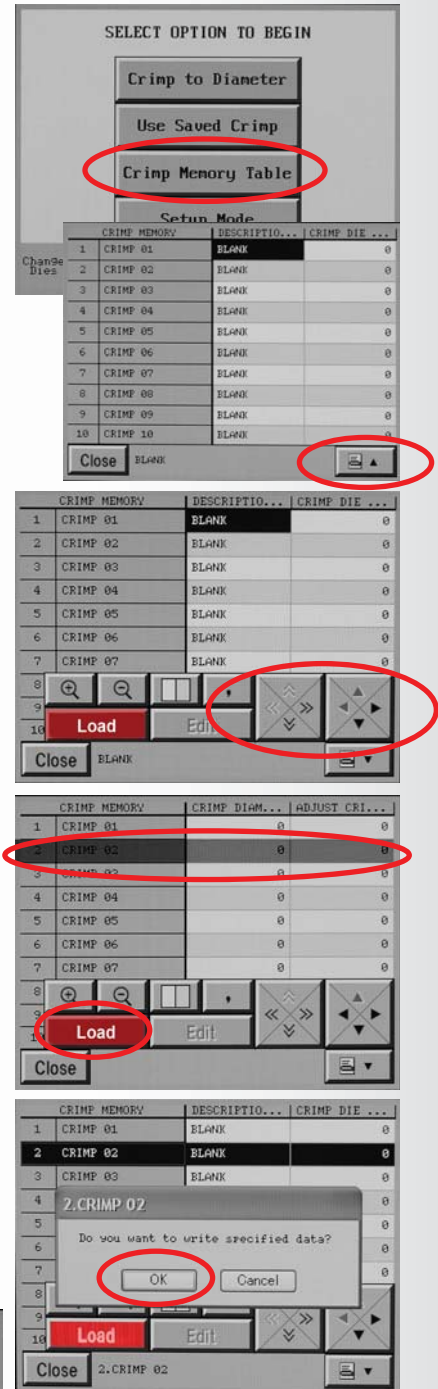
### ACT™ ADDITIONAL FEATURES

#### Pre-Loaded Crimp Specifications

In addition to the ability to store up to 50 user entered dies and 150 user entered crimp settings, the ACT™ Controller has the capability of accepting pre loaded manufacturer's crimp specifications.

CustomCrimp® does not maintain these specifications as they are proprietary to the individual hose and fitting manufacturer. If, however, your ACT™ Controller was pre loaded with a manufacturer's crimp specifications or if they are available to you, they are accessed in the following manner:

- Press the Crimp Memory Table Button.
- Press the access button to bring up the stored crimp specifications.
- Scroll through the crimp specifications to select the correct one. The right hand rocker button moves through the crimp specs one line at a time and the left hand rocker button moves one screen at a time.
- When the correct crimp specification is selected, press the highlighted selection and then the Load button and select OK to write the data to the ACT™ Controller.
- This will bring up the familiar crimp screen and the crimper can then be operated in the normal manner.





# CC1000 Production / Industrial Hose Crimper



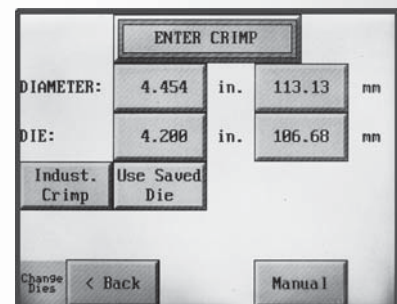
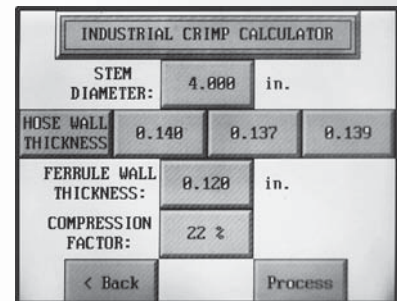
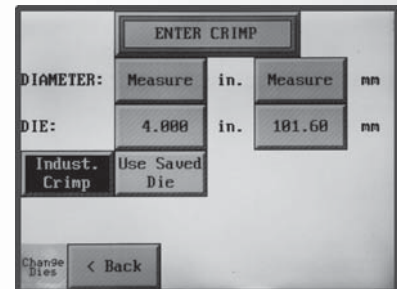
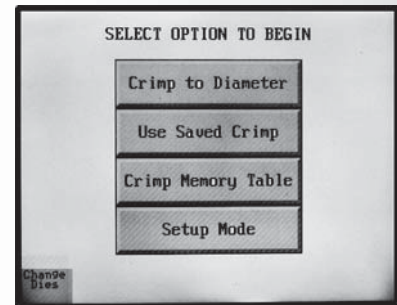
## INDUSTRIAL CRIMP CALCULATOR

The Industrial Hose Crimp Calculator is part of the ACT™ controller package on many Custom Crimp® crimpers capable of crimping industrial hoses. With a few simple measurements, it takes the guess work out of industrial hose crimping and eliminates the need for charts and graphs.

*Note: Not all ACT™ controllers have the Industrial Crimp Calculator software. Contact your sales specialist for information on a specific crimper.*



- Press the **CRIMP TO DIAMETER** button.
- Press the **INDUSTRIAL CRIMP** Button.
- Press **MEASURE**.
  - If the hose diameter is known or a pi tape is being used, enter the hose O.D.
  - If hose O.D. is not known, press **MEASURE** for wall thickness options.
- Measure the wall thickness of the hose. Press the right arrow and take 2 more measurements of the hose wall thickness.
- The Industrial Crimp Calculator will average the three measurements.
- Enter the stem diameter of the fitting. For example: If the stem diameter is 4 inches, you would enter 4000 and the ACT™ controller would supply the decimal place.
- Measure and enter the wall thickness of the ferrule.
- Next enter a compression factor. While this can vary depending upon the specific hose and manufacturer, the following guidelines are a starting point:
  - Standard Industrial hose (approximately 1/4 inch wall thickness): 22%
  - Standard lay flat hose: 11%
- *Note: Contact your hose and fitting manufacturer for the compression factor to use on a specific hose and ferrule,*
- Press **PROCESS** and enter the die diameter if you have not already done so.
- Select and install the correct die set for the combination of hose and fitting being crimped.
- Press **MANUAL** and proceed to crimp the hose.





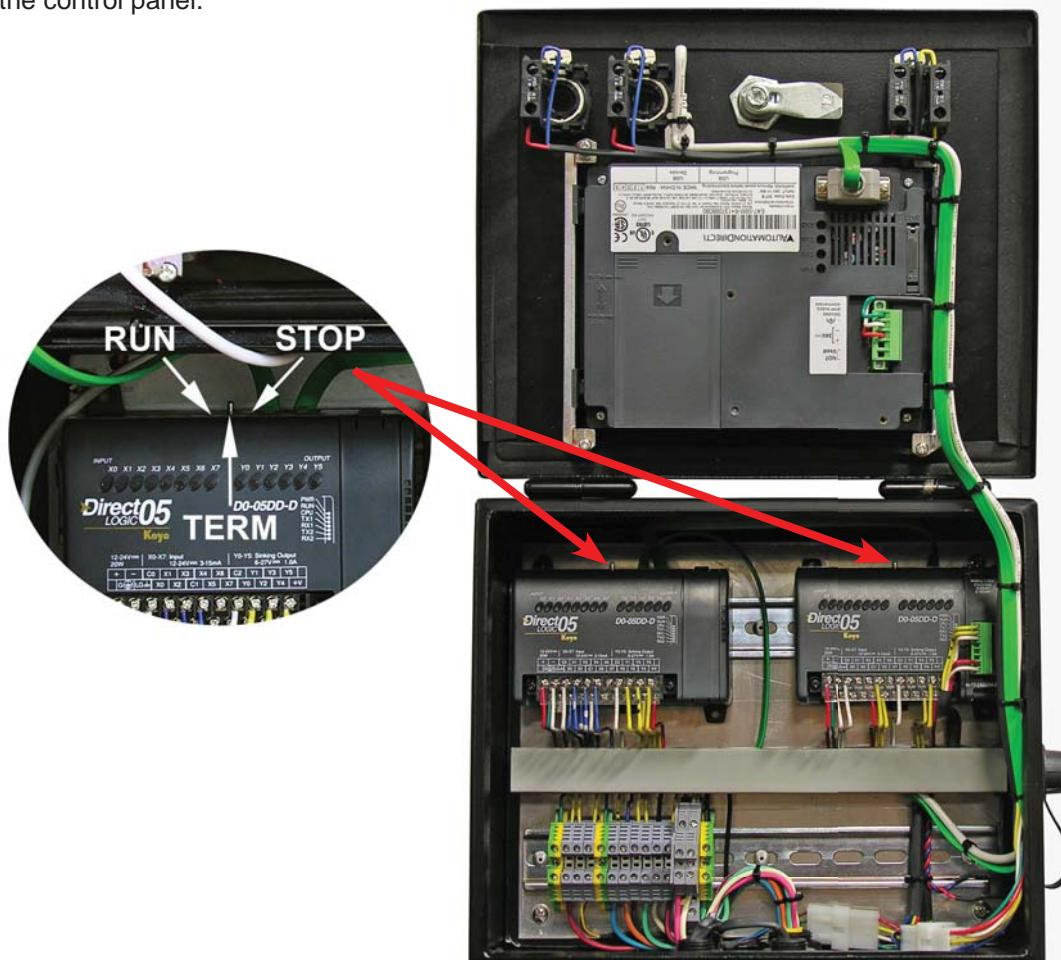
## PLC RESET PROCEDURE

### PLC RESET PROCEDURE:

The PLC (Programmable Logic Controller) requires a relatively constant source of electrical power. Power surges, outages or drops in power can cause the PLC to lose its settings. This may result in missing or misplaced information on the controller screen.

### RESETTING THE PLC TO ITS ORIGINAL SETTINGS IS A SIMPLE PROCEDURE:

- Open the front of the Control Panel.
- Power up the crimper from the main power switch. The crimper must be powered on during the PLC reset procedure.
- Move the three position toggle switch on top of the PLC right to the STOP position and then left to the RUN position.
- Return the toggle switch to the center TERM position.
- Repeat for the other PLC Unit.
- Cycle the main power off and back on.
- The PLC and the crimper should now operate normally.
- Close the control panel.





## TROUBLESHOOTING

### **PROBLEM: CRIMPER WILL NOT RUN AT ALL**

- Check the E-Stop switch to be certain that it is not depressed. A slight twist is required to release switch after it has been depressed.
- PLC (Programmable Logic Control) must be reset. See instructions on the previous page.

### **PROBLEM: CRIMPER RUNS BUT IS SLOW OR NON-FUNCTIONAL**

- Check supply voltage to see that it matches the voltage specified on the tag attached to the crimper. Many performance problems are the result of low voltage or inadequate electrical service.
- Check motor rotation and be certain that the motor rotates in the direction of the arrow on the motor housing. For three phase units rotation can be reversed by switching any two wires in the plug.

### **PROBLEM: CRIMPER WILL CLOSE ON FITTING BUT DOES NOT DEVELOP POWER TO COMPLETE THE CRIMP**

- Check oil level. Position dies to the fully open position and check oil sight gage in rear of machine. Be sure the oil level is in the middle of the sight glass. Use ISO 32 or 46 weight hydraulic oil.

### **PROBLEM: CRIMPER WILL NOT OPEN TO RETRACT POSITION IN AUTO MODE**

- Retract position must be at least 3 mm larger than the final crimp diameter.

*If problem (s) persist contact Customer Service for additional troubleshooting assistance.*

# CC1000 Production / Industrial Hose Crimper



## CC1000 REPLACEMENT ACCESSORIES



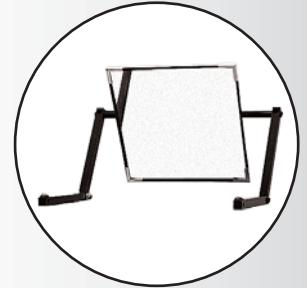
6" Touch Screen Panel  
P/N:102600-ACT



CC-Foot Switch  
P/N:CC-FOOTSWITCH



99mm Quick Change Tool  
P/N:102571



CC-Mirror  
P/N:103471



Manual Back Stop  
P/N:MBS-60



Electronic Back Stop  
P/N:EBS-60



Industrial Die Shelf  
P/N:103572



Industrial Hose O.D Tape  
(Pi Tape) P/N:103901



Mini Grease Gun w/ CRIMPX Die  
Lubricant 3 oz mini grease tube  
P/N:103889



CRIMPX Die Lubricant 3 oz mini  
grease tube P/N:103887



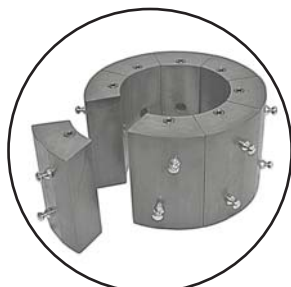
CRIMPX Die Lubricant 14 oz  
large grease tube P/N:103888



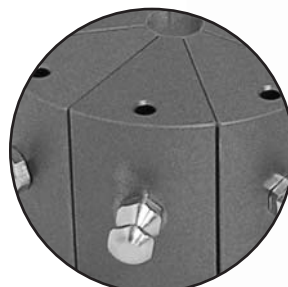
CustomCrimp® Notched Digital  
Caliper IN/MM P/N:CC-Caliper



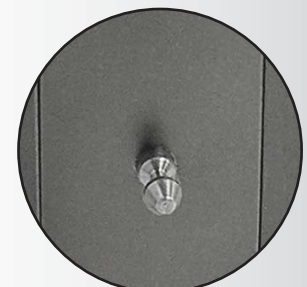
Adapter Die Set 145mm OD to  
99mm ID P/N:103276



Adapter Die Set 230mm OD to  
145mm ID P/N:103275



Die Lock Pin For 84S/99S Die  
Series P/N:101582



Die Lock Pin For 130S/145S  
Die Series P/N:101403

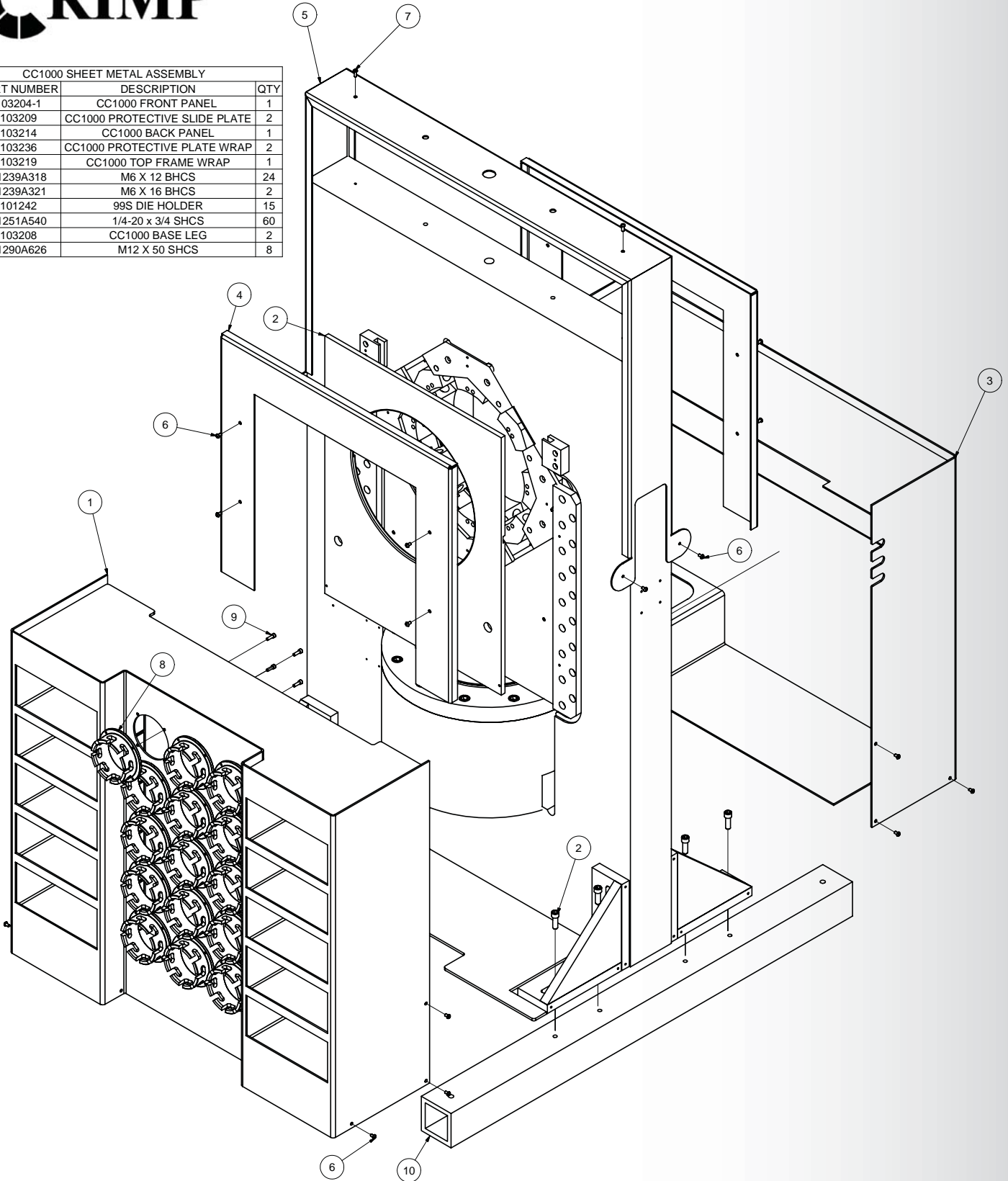


# CC1000 Production / Industrial Hose Crimper



## COMPONENT PARTS BREAKDOWN

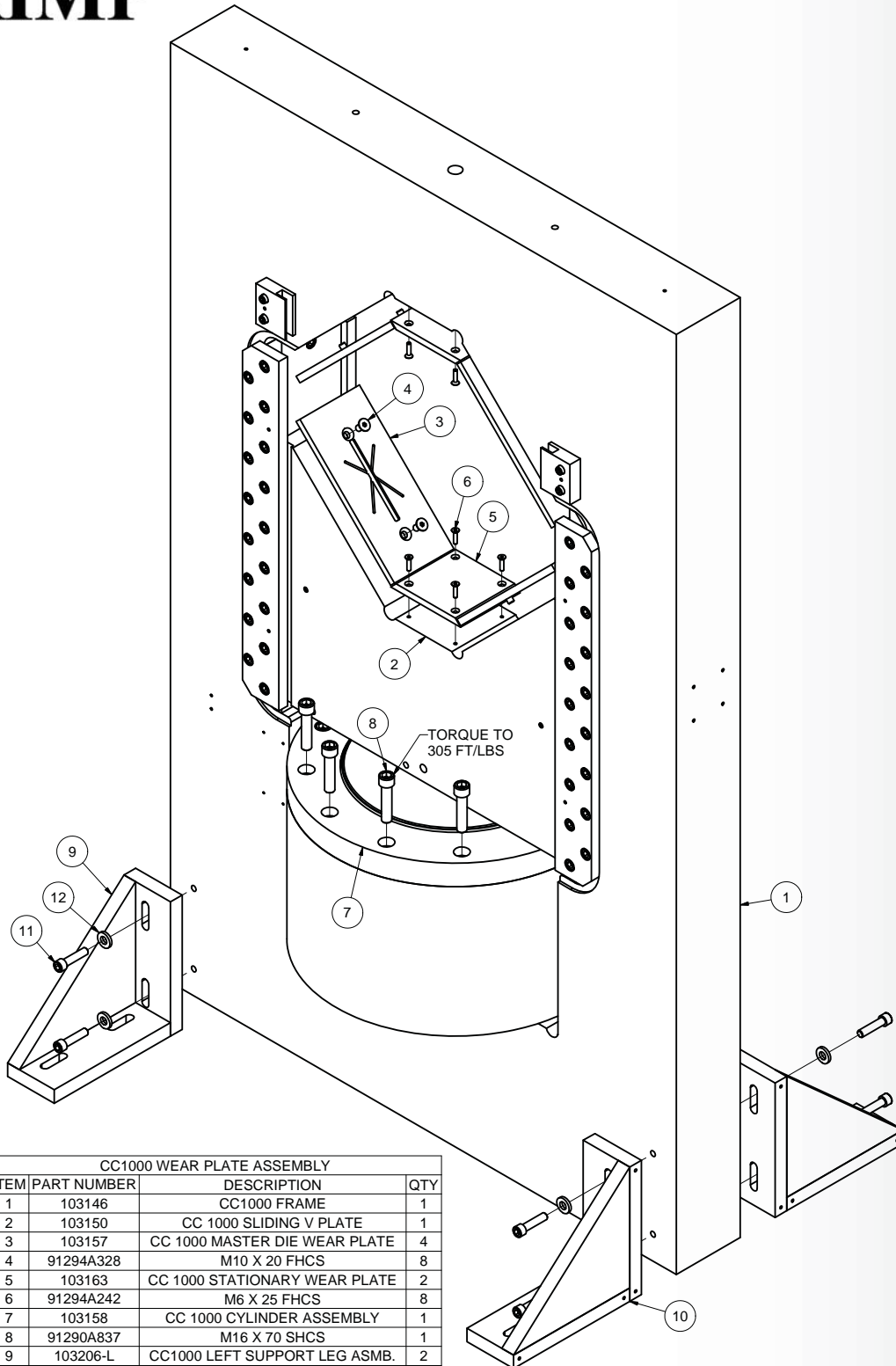
CC1000 SHEET METAL ASSEMBLY			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	103204-1	CC1000 FRONT PANEL	1
2	103209	CC1000 PROTECTIVE SLIDE PLATE	2
3	103214	CC1000 BACK PANEL	1
4	103236	CC1000 PROTECTIVE PLATE WRAP	2
5	103219	CC1000 TOP FRAME WRAP	1
6	91239A318	M6 X 12 BHCS	24
7	91239A321	M6 X 16 BHCS	2
8	101242	99S DIE HOLDER	15
9	91251A540	1/4-20 x 3/4 SHCS	60
10	103208	CC1000 BASE LEG	2
11	91290A626	M12 X 50 SHCS	8



# CC1000 Production / Industrial Hose Crimper



## COMPONENT PARTS BREAKDOWN



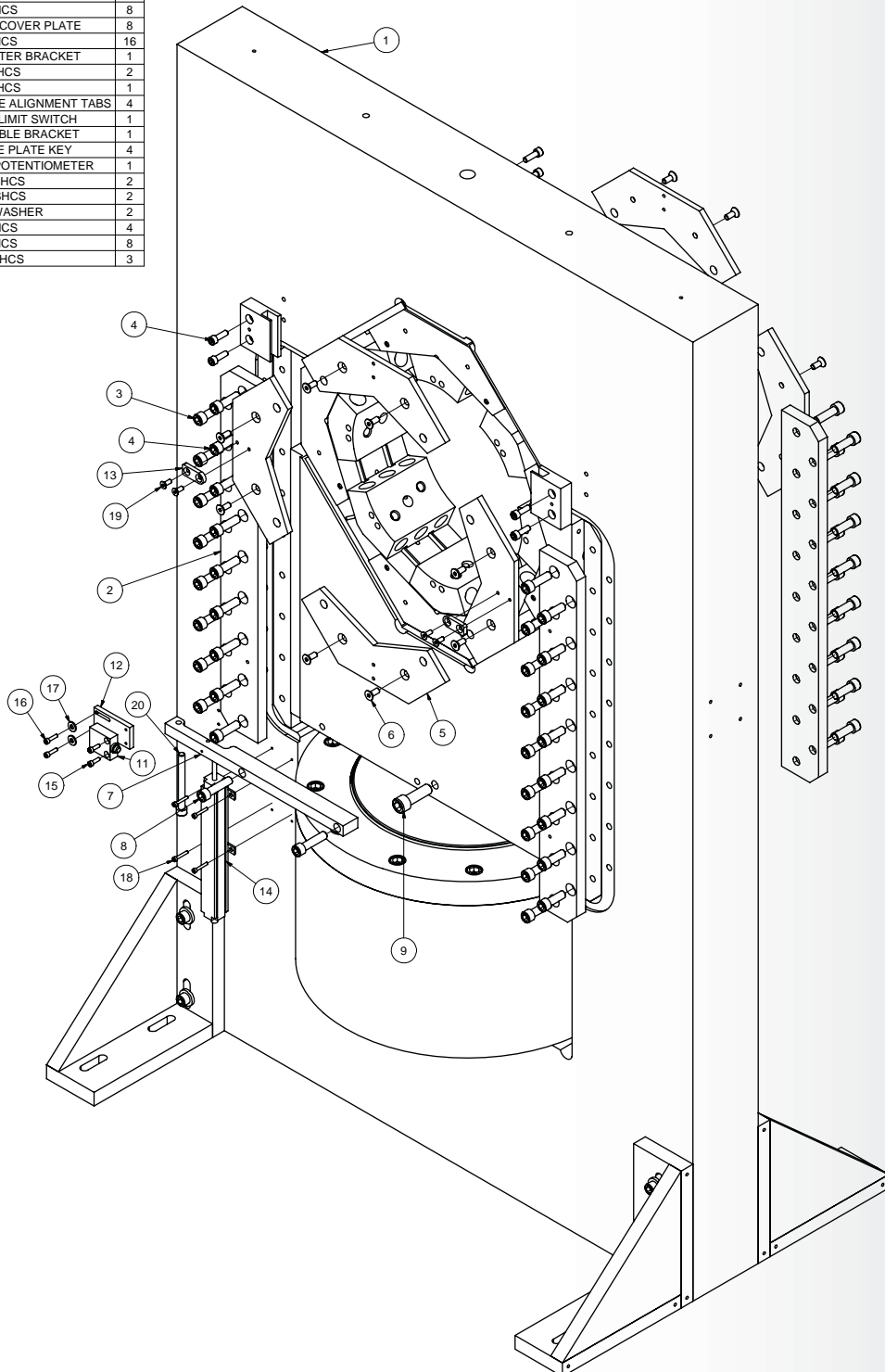
CC1000 WEAR PLATE ASSEMBLY			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	103146	CC1000 FRAME	1
2	103150	CC 1000 SLIDING V PLATE	1
3	103157	CC 1000 MASTER DIE WEAR PLATE	4
4	91294A328	M10 X 20 FHCS	8
5	103163	CC 1000 STATIONARY WEAR PLATE	2
6	91294A242	M6 X 25 FHCS	8
7	103158	CC 1000 CYLINDER ASSEMBLY	1
8	91290A837	M16 X 70 SHCS	1
9	103206-L	CC1000 LEFT SUPPORT LEG ASMB.	2
10	103206-R	CC1000 RIGHT SUPPORT LEG ASMB.	2
11	91290A626	M12 X 50 SHCS	8
12	91166A290	M12 WASHER	8

# CC1000 Production / Industrial Hose Crimper



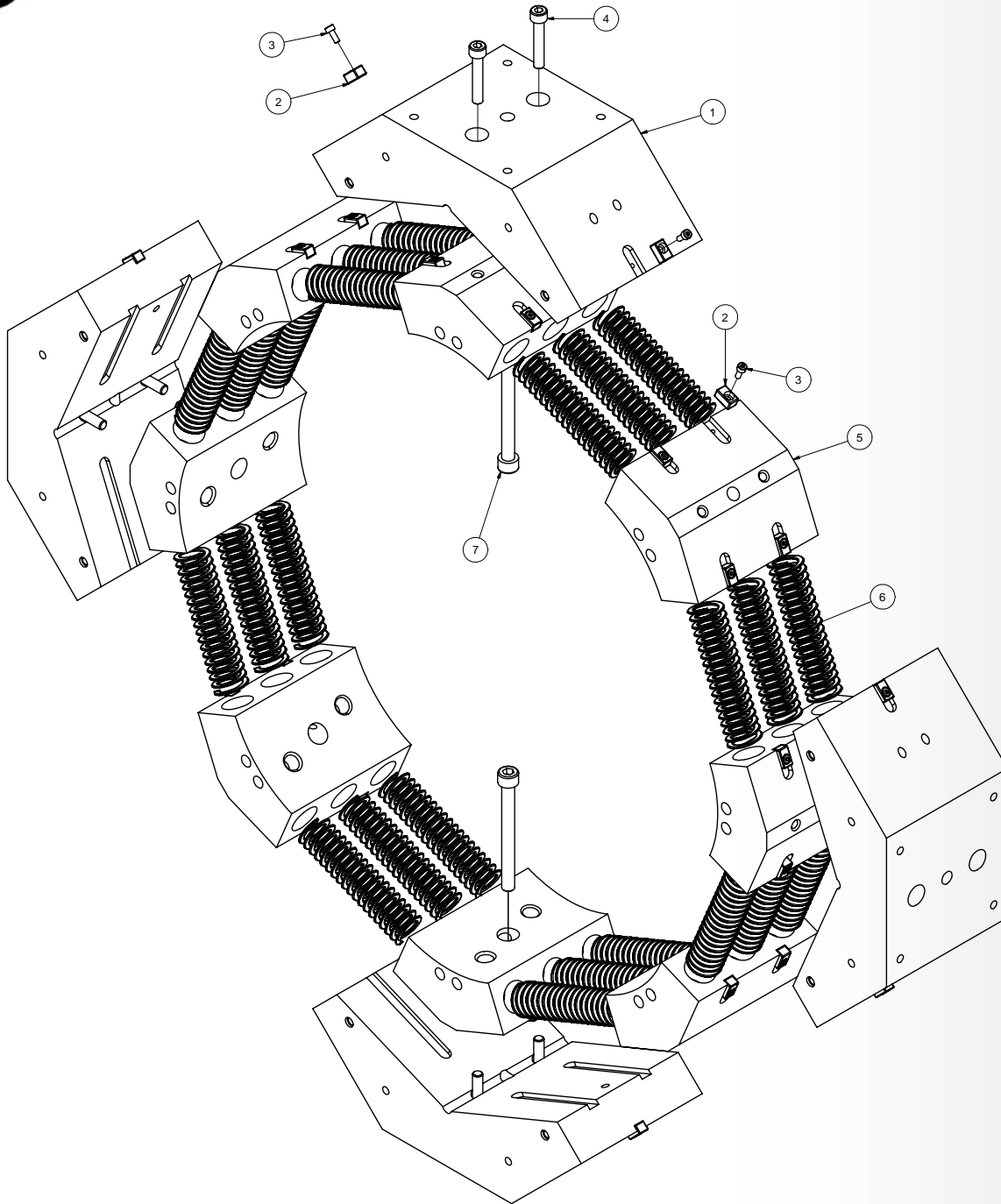
## COMPONENT PARTS BREAKDOWN

CC1000 PROTECTIVE PLATES AND GUIDES ASSEMBLY			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	103146	CC1000 FRAME	1
2	103193	CC 1000 SIDE GUIDE PLATE	4
3	91290A620	M12 X 35 SHCS	68
4	91290A432	M8 X 25 SHCS	8
5	103196	CC 1000 MASTER DIE COVER PLATE	8
6	91294A284	M8 X 20 FHCS	16
7	103248	CC1000 POTENTIOMETER BRACKET	1
8	91290A626	M12 X 50 SHCS	2
9	91290A820	M16 X 50 SHCS	1
10	103230	CC1000 PROTECTIVE PLATE ALIGNMENT TABS	4
11	103473	CC600/1000 ROLLER LIMIT SWITCH	1
12	103349	CC600/1000 ADJUSTABLE BRACKET	1
13	103448	CC1000 PROTECTIVE PLATE KEY	4
14	103472	CC600/CC1000 LINEAR POTENTIOMETER	1
15	91251A244	10-24 x 5/8 SHCS	2
16	91251A345	10-24 X 3/4 SHCS	2
17	91255A549	10-24 ROUND WASHER	2
18	91290A176	M4 X 25 SHCS	4
19	91294A237	M6 X 14 FHCS	8
20	91290A548	M10 X 100 SHCS	3





## COMPONENT PARTS BREAKDOWN

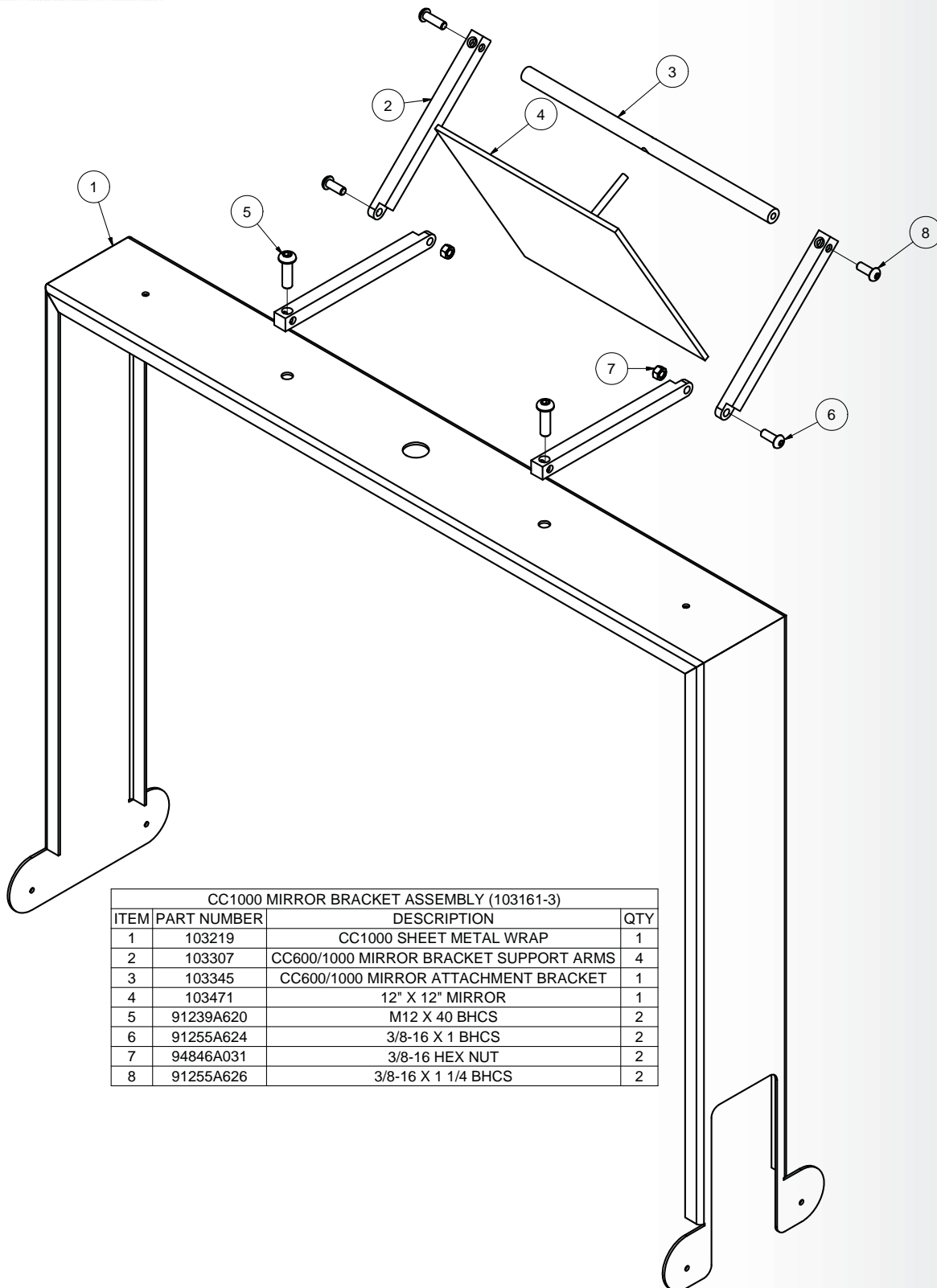


CC1000 MASTER DIE ASSEMBLY			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	103147	CC1000 MASTER DIE CARRIER	4
2	103249	CC1000 MASTER DIE ALIGNMENT NUT	40
3	91290A144	M4 X 10 SHCS	40
4	91290A446	M8 X 45 SHCS	8
5	103156	CC1000 MASTER DIE SHOE	8
6	103470	DIE SPRING	24
7	91290A548	M10 X 100 SHCS	2





## COMPONENT PARTS BREAKDOWN

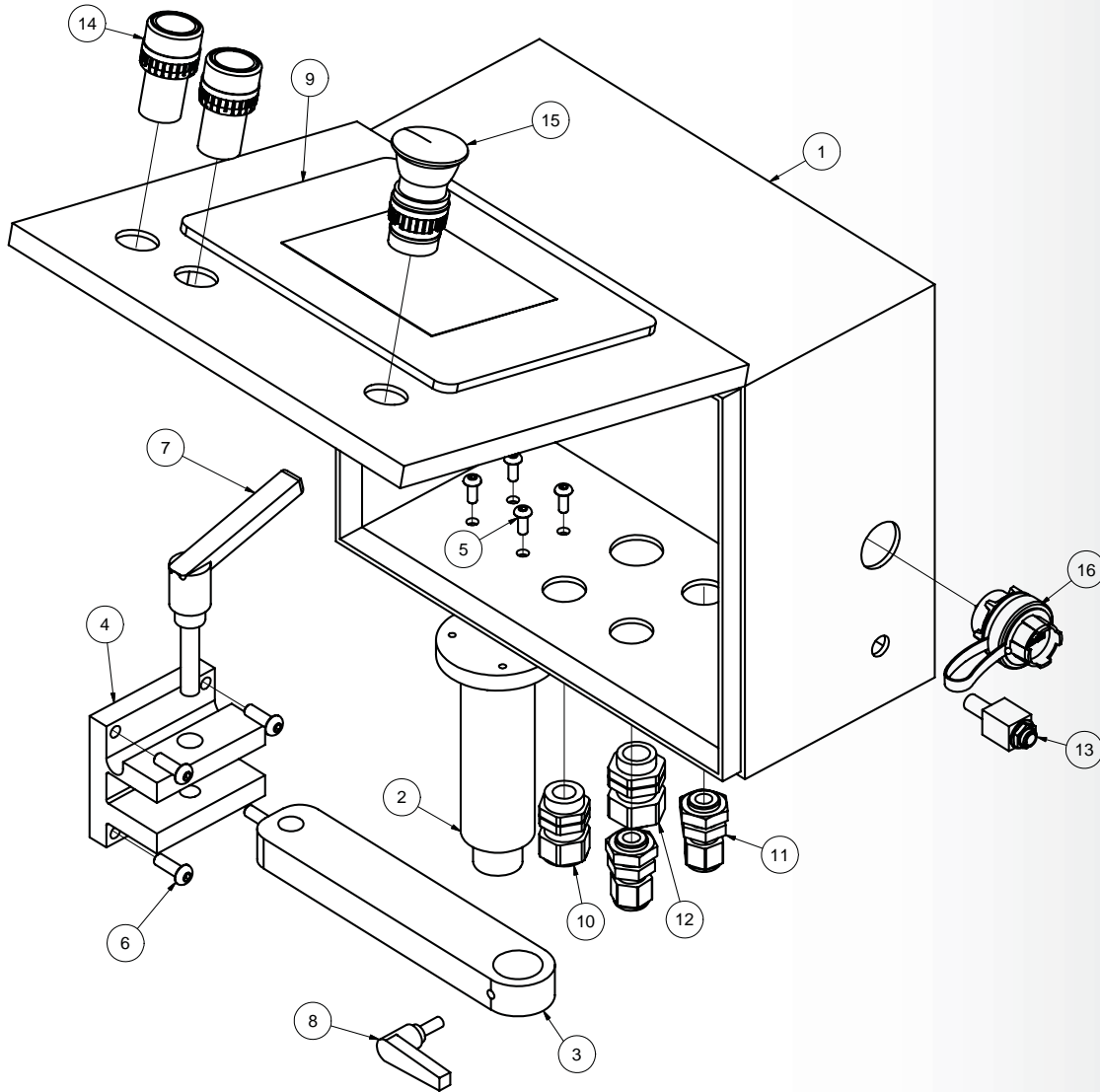


CC1000 MIRROR BRACKET ASSEMBLY (103161-3)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	103219	CC1000 SHEET METAL WRAP	1
2	103307	CC600/1000 MIRROR BRACKET SUPPORT ARMS	4
3	103345	CC600/1000 MIRROR ATTACHMENT BRACKET	1
4	103471	12" X 12" MIRROR	1
5	91239A620	M12 X 40 BHCS	2
6	91255A624	3/8-16 X 1 BHCS	2
7	94846A031	3/8-16 HEX NUT	2
8	91255A626	3/8-16 X 1 1/4 BHCS	2

# CC1000 Production / Industrial Hose Crimper



## COMPONENT PARTS BREAKDOWN

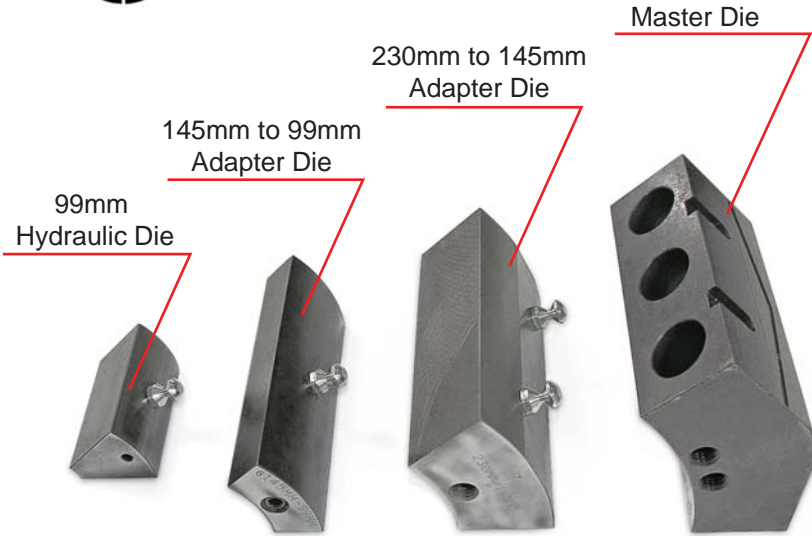


CC600/1000 TOWER ASSEMBLY			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	7309K342	CC600/1000 TOWER BOX	1
2	103308-1	CC600/1000 TOWER SWIVEL BRACKET	1
3	103308-2	CC600/1000 TOWER SUPPORT ARM	1
4	103308-3	CC600/1000 TOWER MOUNTING BRACKET	1
5	91255A242	10-24 X 1/2" BHCS	4
6	91255A540	1/4 - 20 x 3/4" BHCS	4
7	KHA-150	1/2-13 LOCKING HANDLE	1
8	KHA-108	1/4-20 LOCKING HANDLE	1
9	102600	6" TOUCH SCREEN TEXT PANEL	1
10	69915K53	1/2" NPT DOME CORD GRIP	1
11	69915K51	ROMEX CORD GRIP	2
12	69915K57	3/4" NPT DOME CORD GRIP	1
13	502-N-111	FOOT PEDAL JACK W/NUT	1
14	E22PB3A	CLOSE/OPEN BUTTON	2
15	E22LLB2B	EMERGENCY STOP BUTTON	1
16	PX0842/A	USB CONNECTOR	1

# CC1000 Production / Industrial Hose Crimper



## CC1000 DIE PART IDENTIFICATION



### Master Dies Accept:

- 230/145mm Adapter Dies; or
- 230S Series Dies (135 - 190mm)
- 230OB Series Dies (210 - 281mm)

### 230/145 Adapter Dies Accept:

- 145/99 Adapter Dies; or
- 102819 Series Dies (84 - 126mm (3" - 4"))

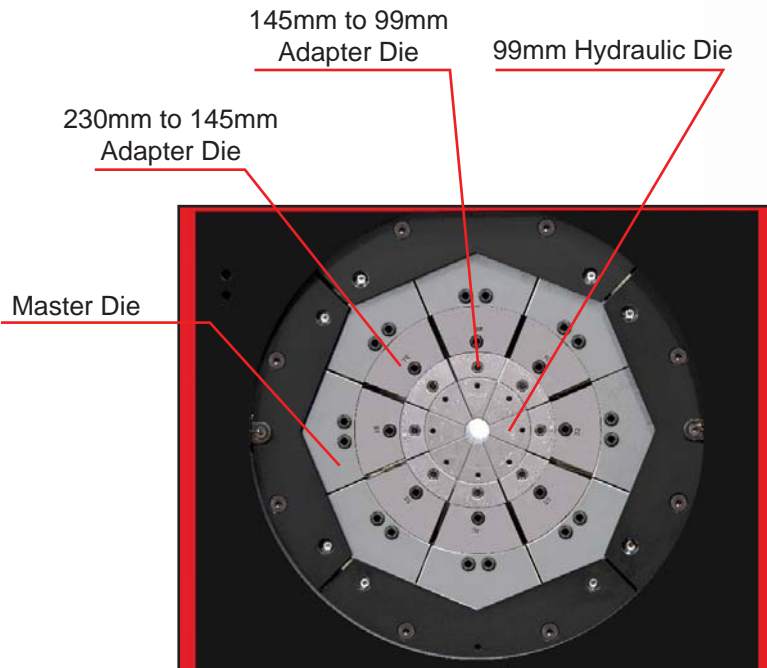
### 145/99 Adapter Dies Accept:

- 99S Series Dies (8.5 - 78mm (1/4" - 2 1/2"))

### • Available Die Retaining Stud:



P/N: 101582



# CC1000 Preventative Maintenance Package



CustomCrimp®'s preventative maintenance program is an annual service which keeps your crimper cleaned, calibrated, and running in peak performance. This service includes the cleaning of main wear components, inspection of wear components and seals, and calibration of your crimper. Prevent downtime with this economical service package performed at your facility.



## CC1000 PREVENTATIVE MAINTENANCE PACKAGE:

- Inspection and Cleaning of the Protective Plates.
- Inspection and Cleaning of the Master Die Cover Plates.
- Inspection and Cleaning of the Master Die Carriers.
- Inspection and Cleaning of the Master Die Shoes.
- Inspection and Cleaning of the Master Die Wear Plates.
- Inspection and Cleaning of the Master Die Alignment Keys.
- Inspection and Cleaning of the Side Guide Plates.
- Inspection and Cleaning of Adapter Dies.
- Inspection of the Cylinder.
- Inspection of the Potentiometer.
- Inspection of the Electrical Components.
- Replacement of the Master Die Springs.
- Crimper Care Package (Dies Studs, Quick Change Tool Pins, Grease Gun, Screen Protector).
- Oil Change (If Customer Provides the Oil and disposal of used oil).
- Update of ACT Controller software (if needed).
- New Grease Applied of All Wear Surfaces.
- Crimper Calibration.
- Written Crimper Documentation Report.



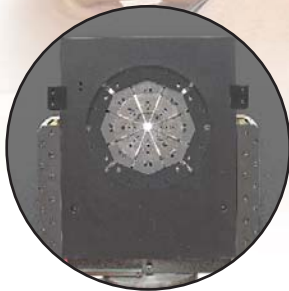
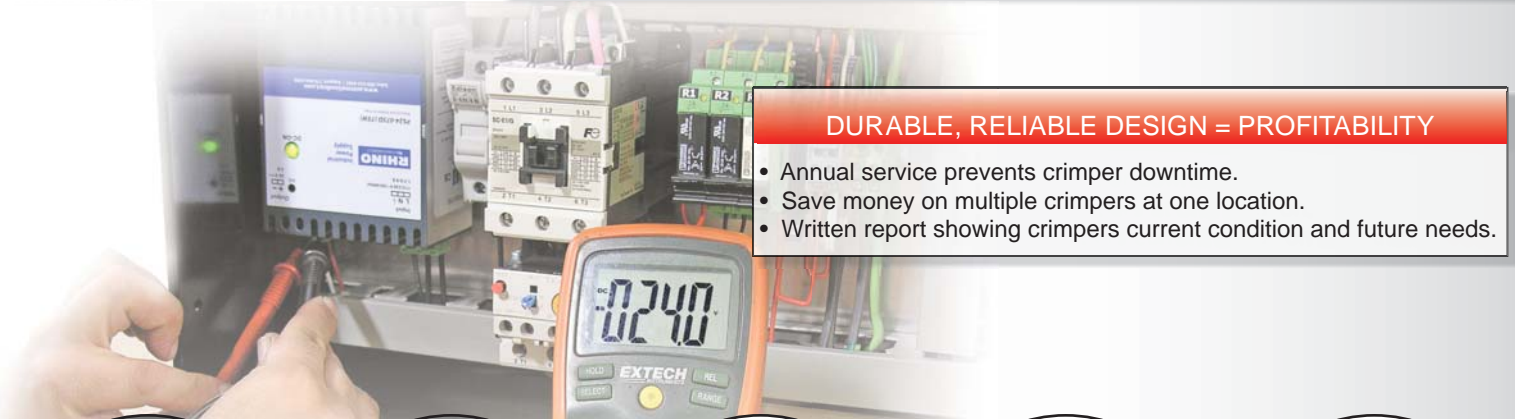
# CC1000 Preventative Maintenance Package



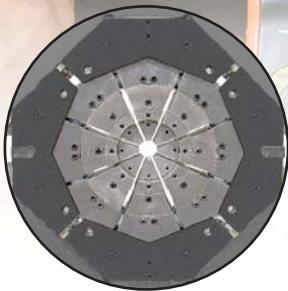
We understand how critical it is to have your crimpers running everyday and limiting downtime. We hope that our services will help eliminate downtime, shipping costs, and uncertainty of when your machine will be fixed. Please feel free to search our website and contact us with any questions.

## DURABLE, RELIABLE DESIGN = PROFITABILITY

- Annual service prevents crimper downtime.
- Save money on multiple crimpers at one location.
- Written report showing crimpers current condition and future needs.



Inspection & Cleaning of the Protective Plates



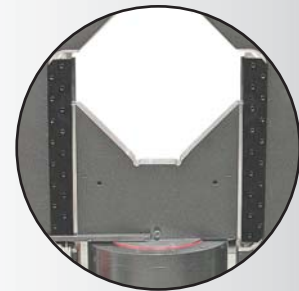
Inspection & Cleaning of the Master Die Cover Plates



Inspection & Cleaning of the Master Die Carriers & Master Die Shoes



Inspection & Cleaning of the Master Die Wear Plates & Master Die Alignment Keys



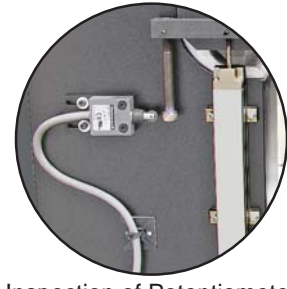
Inspection & Cleaning of Side Guide Plates



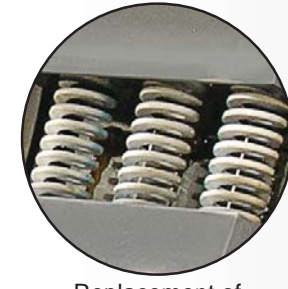
Inspection & Cleaning of Adapter Dies



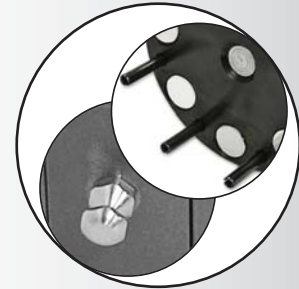
Inspection of Cylinder



Inspection of Potentiometer



Replacement of Master Die Springs



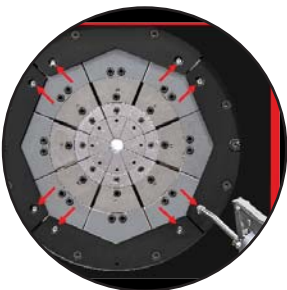
Inspection of Die Studs & Quick Change Tool Pins



Replacement of Die Studs & Quick Change Tool Pins



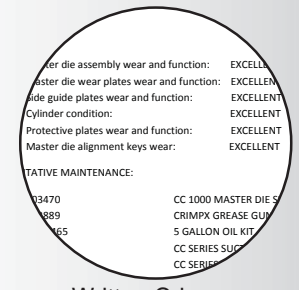
Update of ACT™ Controller Software (If needed)



New Grease Applied on All Wear Surfaces



Crimper Calibration



Master die assembly wear and function: EXCELLENT  
 Master die wear plates wear and function: EXCELLENT  
 Side guide plates wear and function: EXCELLENT  
 Cylinder condition: EXCELLENT  
 Protective plates wear and function: EXCELLENT  
 Master die alignment keys wear: EXCELLENT

PREVENTATIVE MAINTENANCE:  
 03470 CC 1000 MASTER DIE S  
 0889 CRIMPX GREASE GUN  
 165 5 GALLON OIL KIT  
 CC SERIES SUC  
 CC SERIES

Written Crimper Documentation Report



CUSTOMCRIMP® "NO-NONSENSE" WARRANTY STATEMENT



## CustomCrimp® "No-Nonsense" Warranty Statement

All CustomCrimp® Products are warranted to be free of defects in workmanship and materials for one year from the date of installation. This warranty ends when the product becomes unusable for reasons other than defects in workmanship or material.

Any CustomCrimp® Product proven to be defective in workmanship or material will be repaired or replaced at no charge. To obtain benefits of this warranty, first, contact Warranty Repair Department at Custom Machining Services at **(219) 462-6128** and then deliver via prepaid transportation the complete hydraulic product to:

**ATTN: WARRANTY REPAIR DEPT.  
Custom Machining Services, Inc.  
318 North Co. Rd 400 East  
Valparaiso IN 46383**

If any product or part manufactured by CustomCrimp® is found to be defective by CustomCrimp®, at its option, CustomCrimp® will either repair or replace the defective part or product and return via ground transportation, freight prepaid.

**CustomCrimp® will not cover any incoming or outgoing freight charges for machines sold outside The United States.**

This warranty does not cover any product or part which is worn out, abused, altered, used for a purpose other than for which it was intended, or used in a manner which was inconsistent with any instructions regarding its use.

Electric motors are separately warranted by their manufacturer under the conditions stated in their separate warranty.

# CC1000 Production / Industrial Hose Crimper



CONTACT US

**CUSTOMCRIMP®, YOUR SINGLE SOURCE FOR HOSE ASSEMBLY PRODUCTS.**

Products and services to support industry wide hose assembly needs.

CustomCrimp®  
Custom Machining Services, Inc.  
326 N. County Rd. 400 East  
Valparaiso, IN 46383  
Ph: (219) 462-6128  
Fax: (219) 464-2773  
[www.customcrimp.com](http://www.customcrimp.com)



CustomCrimp®

See the complete line of CustomCrimp® Crimpers and Accessories at:

[www.customcrimp.com](http://www.customcrimp.com)

(219) 462-6128