

# FC9000 SERIES

**GRAPHTEC**  
Graphtec America, Inc.

FC8600 to FC9000 / HIGHLIGHTS • DIFFERENCES • TECH & SERVICE DETAILS



FC9000-75

FC9000-100

FC9000-140

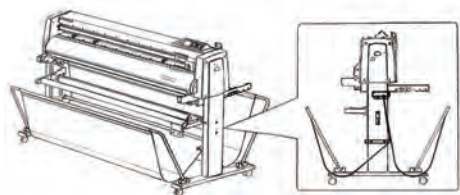
FC9000-160

## MAIN HIGHLIGHTS



### Improved Overall Structure

More Rigid Y Bar improves cut quality for both thick and thin materials



### New Basket Design



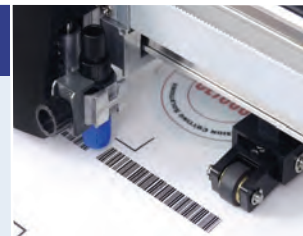
**New RM Sensor ARMS 8.0**  
(Advanced Registration Mark System)



**New 54" Model FC9000-140**

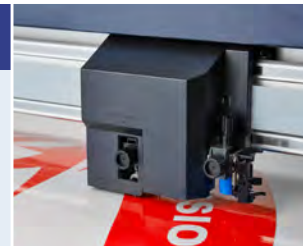
### New DATALINK Feature

New Barcode Scanning System allows for the continuous operation of multiple jobs.



### Newly Designed Cutting Head

The newly designed cutting head improves cut quality and cutting time. This new head requires less UP travel for the pen holder compared to the FC8600.



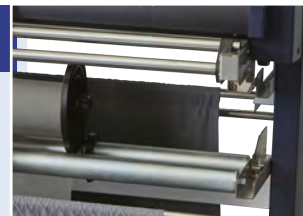
### New USB Thumb Drive Port

New USB Thumb Drive Port for cut jobs or print and cut jobs without PC.



### New Take-Up System

Optional Media Take-Up System Available for FC9000-140 (54") and FC9000-160 (64") models only.



### New Accessories

- Loupe to assist with blade length
- Flange kit to improve tracking



## DIFFERENCES BETWEEN FC8600 AND FC9000:



FC8600 .....➔ FC9000

### NOTES FOR TECH GROUPS:

- **Cutting Conditions & Tool Set Up** to achieve Best Cut Quality is the same for the FC9000.
- **Print and Cut Workflow** is still the same.
- **Blades and Blade Holders** are all the same.
- **Software** is also still the same for the FC9000. (Cutting Master 4 Plug-in / Graphtec Pro Studio)

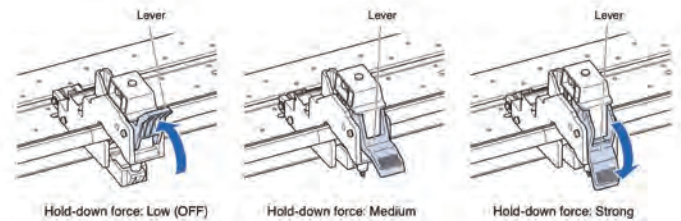


### Control Panel Has 2 NEW Buttons:

- **SLOW Button:** Replaces FAST Button
- **BARCODE Button** Initiates Barcode Reading
- **CROSS CUTTER Button** has been moved

### No Stand-By Location for Unused Push Rollers:

On FC9000, all Push Rollers will be over the media. Set Pressure Lever to OFF so that Push Roller Wheel does not affect media.



### All Push Roller Arms are Now the Same:

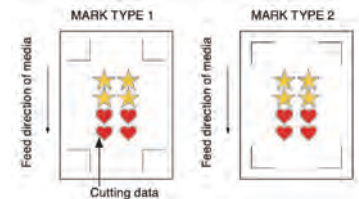
There are 3 Pressure Levels for the FC9000  
No difference between Left, Center, and Right.

### No Controller Software for the FC9000

### No More ISM Mode:

Now choose from 3 Mark Scan Modes.

**Note:** See User's Manual



### Updated Users Manual:

Shows Exact Print and Cut Workflow with Supplied Software, - DATALINK (Barcode) Workflow.  
*See Chapter 14 of Users Manual*

## TECH / SERVICE DIFFERENCES:

### No Need to Remove Right Push Roller Arm to Add More Rollers:

**Note:** Please See Service Manual - Adding OPH-A47

### Ethernet Connection:

Now intergraded with the main board

**New 9-layer Main Board:** Better Grounding

**Cross Cutter Blade:** New Design with Pointed Tip

**Cross Cutter Assembly:** Now Part of Pen Block

**Pen Block Cover:** Now Has Extra 'Hook' to Secure it

**Note:** See Chapter 7 of Service Manual

### New Main Board Calibration Procedure:

After physically replacing board, a control panel button combination is all that is needed to transfer all calibrations.

**Note:** See Service Manual: Copy Adj. Values from SUB-NVRAM

### New Way of Isolating RM Sensor,

### Testing Output Lever for Troubleshooting:

**Note:** See Service Manual Troubleshooting Section.

### Easier Removal of Push Roller Wheels for Replacement with use of a Push Pin instead Of E Clips

### Take-Up System:

**Note:** Please look over Chapter 18 of Users Manual, followed by VIDEO to learn assembly, and operation.

### Barcode (DATALINK):

Can read barcode and retrieve cut file from CM4 & GPS/ 3rd party software for continuous operation.

**Note:** See Basic Operation of Printing and Cutting Manual.