A re-engineered feeding system, tool head, and new ARMS sensor further contribute to the FC Series’ class leading performance.

New ARMS 8.0 features the introduction of the Datalink Barcode System in addition to other accuracy and efficiency boosting functions.

Easily create and cut high quality designs with Cutting Master 4 and Graphtec Pro Studio software. Included Media Flanges and Blade Loupe ensure accurate tracking and blade setup.
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Item</th>
<th>FC9000-75</th>
<th>FC9000-100</th>
<th>FC9000-140</th>
<th>FC9000-160</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration</td>
<td>Gridded</td>
<td>Gridded</td>
<td>Gridded</td>
<td>Gridded</td>
</tr>
<tr>
<td>Driver method</td>
<td>Digital Servo Drive</td>
<td>Digital Servo Drive</td>
<td>Digital Servo Drive</td>
<td>Digital Servo Drive</td>
</tr>
<tr>
<td>Max cutting area (W x L) (*1)</td>
<td>30” x 164</td>
<td>42” x 164</td>
<td>54” x 164</td>
<td>64” x 164</td>
</tr>
<tr>
<td>Cutting area of guaranteed accuracy (*1)</td>
<td>29.21” x 50”</td>
<td>41.22” x 32”/ 30” x 50”</td>
<td>53.22” x 32”/ 30” x 50”</td>
<td>63.26” x 32”/ 30” x 50”</td>
</tr>
<tr>
<td>Mountable media width Min. (*2) Max.</td>
<td>1.96”</td>
<td>36.2”</td>
<td>48.18”</td>
<td>60.95”</td>
</tr>
<tr>
<td>Mountable roll media diameter</td>
<td>2.99” to 7.8” (6.29” when the optional flange (OPH-A21) is installed)</td>
<td>2.99” to 7.8” (6.29” when the optional flange (OPH-A21) is installed)</td>
<td>2.99” to 7.8” (6.29” when the optional flange (OPH-A21) is installed)</td>
<td>2.99” to 7.8” (6.29” when the optional flange (OPH-A21) is installed)</td>
</tr>
<tr>
<td>Maximum cross cut width</td>
<td>30”</td>
<td>42”</td>
<td>30”</td>
<td>64”</td>
</tr>
<tr>
<td>Maximum cutting speed</td>
<td>58.46 inches per second at a 45° direction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acceleration</td>
<td>Max. 1543 m/s at 60° direction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutting force</td>
<td>Max. 5.88N (600gf)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum character size</td>
<td>Approx. 5 mm (alphanumeric, varies depending on character font and media)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mechanical resolution</td>
<td>0.005 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Programmable resolution</td>
<td>GP-GL 0.025 (0.25 mm) to 0.01 mm HP-GL 0.025 mm to 0.01 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeatability (*1)</td>
<td>Max. 0.1 mm in print to print (excluding media expansion and contraction)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of push rollers</td>
<td>2 rollers</td>
<td>3 rollers</td>
<td>4 rollers (Max. 5 options)</td>
<td></td>
</tr>
<tr>
<td>Mountable number of tools</td>
<td>1 tool (mountable 2 tools (optional))</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blade types</td>
<td>SuperSteel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pen types</td>
<td>Oil-based ballpoint pen, Water-based fiber-tip pen</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Media types</td>
<td>Thickness: 0.25 mm or less Marking film (PVC film/fluorescence/reflective), Polyester film (under certain conditions), High intensity reflective film (Diamond grade, Engineer grade)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max media thickness</td>
<td>59.1 mil (1.48 mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td>3.7” Graphic, type LCD with back light (240x128 dots), supports 10 languages</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interface</td>
<td>Windows 10/8/7, 64-bit / 32-bit, Mac OS X 10.6 - 10.13 (Graphtec Studio: 10.6 - 10.13, Cutting Master 4: 10.6 - 10.13)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Buffer memory</td>
<td>2MB</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Command sets</td>
<td>GP-GL / HP-GL [Set by command or auto-detect]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compatible OS (**)</td>
<td>Windows 10/8/7, 64-bit / 32-bit, Mac OS X 10.6 - 10.13 (Graphtec Studio: 10.6 - 10.13, Cutting Master 4: 10.6 - 10.13)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supported software (*6)</td>
<td>Graphtec Studio (Windows) (*6), Graphtec Studio (Mac), Cutting Master 4 (*7), Windows Driver</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power source</td>
<td>100 V to 240 V, 50 / 60 Hz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power consumption</td>
<td>Max. 340 VA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating environment</td>
<td>50 to 95 ºF, 35 to 75 % R.H. (non-condensing)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guaranteed accuracy environment</td>
<td>60 to 89 ºF, 35 to 75 % R.H. (non-condensing)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>External dimensions (W x D x H) (*8)</td>
<td>Approx. 53” x 45” x 48”</td>
<td>Approx. 65” x 45” x 48”</td>
<td>Approx. 77” x 45” x 48”</td>
<td></td>
</tr>
<tr>
<td>Machine weight (approx.) (*9)</td>
<td>108 lbs</td>
<td>123 lbs</td>
<td>141 lbs</td>
<td>195 lbs</td>
</tr>
<tr>
<td>Safety</td>
<td>PSE, UL/UL, CE mark</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMC</td>
<td>VCCI Class A, FCC Class A, CE mark</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## OPTION

**Automatic Take-up Roller**
- Part No: OPH-A43
- Description: For FC9000-140

**Automatic Take-up Roller**
- Part No: OPH-A44
- Description: For FC9000-160

**Automatic Take-up Roller**
- Part No: OPH-A47
- Description: For FC9000-160 or FC9000-160BL

**Media Flange**
- Part No: OPH-A23
- Description: Flange for media handling

**Graphtec Pro Studio Plus**
- Part No: OPS-682-FLS
- Description: Design software including all advanced functions (1 license)

**Graphtec Pro Studio Plus**
- Part No: OPS-682-DFS
- Description: Limited edition of rhinestone function only (1 license)

**Graphtec Pro Studio Plus**
- Part No: OPS-682-DFSF
- Description: Limited edition of auto nesting function only (1 license)

**External dimensions (W x D x H) (**8**)
- Approx. 53” x 45” x 48”
- Approx. 65” x 45” x 48”
- Approx. 77” x 45” x 48”

**SUNDA SESSSICKS**
- Part No: PM-CC-002
- Description: 2 sets per pack

**USB cable**
- Part No: PM-CU-002
- Description: 1 pack per pack

**Power cord**
- Part No: PM-CU-002
- Description: 1 pack per pack

**Flange set**
- Part No: PM-A27
- Description: 1 pack per pack

**Area Date (**)**
- Part No: PM-A28
- Description: 1 pack per pack

**Graphtec Studio (Mac)**
- Part No: PM-A29
- Description: 1 pack per pack

**Safety**
- Part No: PM-A30
- Description: 1 pack per pack

**EMC**
- Part No: PM-A31
- Description: 1 pack per pack

## STANDARDS ACCESSORIES

- **Power cord**
- **USB cable**
- **Cutting blade holder**
- **Cutting Blade**
- **Loupe**
- **Fiber-tip pen holder**
- **Water-based fiber-tip pen**
- **Stand**
- **Media Stocker**
- **Basket**
- **Flange set**
- **DVD-ROM**

## SUPPLIES

**Cutting blade holder**
- Part No: PHP-33-CB09N-HS
- Description: For CB09N series blade

**Cutting blade holder**
- Part No: PHP-33-CB15N-HS
- Description: For CB15N series blade

**Cutting blade holder**
- Part No: PHP-33-CB09-HS
- Description: For CB09N series blade

**Cutting blade holder**
- Part No: PHP-33-CB15-HS
- Description: For CB15N series blade

**Cutting blade**
- Part No: CB09-P
- Description: For CB09N series blade

**Cutting blade**
- Part No: CB15-P
- Description: For CB15N series blade

**Cutting blade**
- Part No: CB09-P
- Description: For CB09N series blade

**Cross-cutter blade**
- Part No: PM-CU-002
- Description: 1 pack per pack

**Lempe**
- Part No: PM-CT-001
- Description: Checking blade length, for PH33 and PH35 series

**Fiber-tip pen holder**
- Part No: PM-CT-001
- Description: Checking blade length, for PH33 and PH35 series

**Water-based fiber-tip pen**
- Part No: PF-39-BK
- Description: Pen for KB100 series pen

**Ballpoint pen holder**
- Part No: PF-39-BK
- Description: Pen holder for KB100 series pen

**Oil-based ballpoint pen**
- Part No: KB100-KR
- Description: Pen (black)

**Poening tool**
- Part No: PFA-102
- Description: Steel pin 1.2 mm diameter

**Cutting mat**
- Part No: PM-CR-005
- Description: For FC9000-75 replacing cutting mat

**Cutting mat**
- Part No: PM-CR-006
- Description: For FC9000-100 replacing cutting mat

**Cutting mat**
- Part No: PM-CR-007
- Description: For FC9000-140 replacing cutting mat

**Cutting mat**
- Part No: PM-CR-008
- Description: For FC9000-160 replacing cutting mat

## EXTENSION DIMENSIONS

- For the dimensions of each media/price refer to the "Specifications" section.