Reel-Fed Cable Ties

- Continuously molded cable tie (up to 0.008" thick) for high productivity and reduced downtime
- Up to 20 lbs. minimum loop tensile strength in miniature cross section; 62 lbs. in standard cross section
- Available in all-reinforced and stainless steel locking barb style
- Available in a variety of materials, colors, and sizes

Complete your harness assembly with:

- Modular, reusable solution consists of grid tiles and specially designed, repositionable accessories that improve productivity
- Easy twist and lock in place accessories allow for faster routing of wires and design flexibility

Reel-Fed Cable Ties for Patio System

Key Features

- Faster than conventional manual cable tie installations
- 6X faster than conventional manual cable tie installations

Benefits

- Against wear, protect, and color code wires to help ensure high-quality performance in demanding environments
- Choose from Pan-Wrap®, spiral wrap, corrugated loom tubing and braided sleeving, and heat shrink tubing
- Printed from silhouettes and environmental factors
- Ties and cable accessories

Automation Transmission System

- Speeds the process of indexing and clamping connections readying consistent wire terminations to minimized cost and labor pitfalls
- Choose from a wide selection of molded disconnects, splices, rings, jacks, pins, and ferrules

Note: UL Listed, and CSA Certified except 69 material.

Maximum Bundle Dia. will be less for solid round bundles.

Order number of pieces required, in multiples of Standard Carton Quantity.

1 = Brown, 2 = Red, 3 = Orange, 4 = Yellow, 5 = Green, 6 = Blue, 7 = Purple, 8 = Gray, 10 = White.

Reel-Fed Cable Ties

Patent Number: 7,717,030
Phone: 502.33.3777.6000
cs-la@panduit.com

Guadalajara, Mexico
PANDUIT MEXICO S.A. DE CV.
www.panduit.com /PAT

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com

Markham, Ontario
PANDUIT CANADA
cs@panduit.com

Republic of Singapore
PANDUIT SINGAPORE PTE. LTD.

Victoria, Australia
PANDUIT AUSTRALIA PTY. LTD.

ALL RIGHTS RESERVED.

www.panduit.com /PAT

COST

30%

24%

18%

65%

65% save time

65% square footage space

65% wire harness build times

6X that of conventional manual cable tie installations

Data Interface (DI)- RJ45 Ethernet connection that provides production data for analysis as well as troubleshooting
- Electronic Interface (Ei)- 25-pin D-Sub connection allows the user to remotely control the PAT system through industrial control and robotic applications

System addresses these challenges by introducing a series of next generation features and functionality to transform wire bundling and assembly as you know it.

Industry leading cycle times that are 25% faster than other automatic cable tie systems which provide maximum bundling productivity at a cost that of conventional manual cable tie installations
- User friendly icon-based LCD touch screen simplifies user navigation and allows the operator to make light changes to improve productivity and maintain the learning curve for operators, thus keeping your work force dynamic and productive
- Lightweight Ergonomic Tool Head reduces operator fatigue and maximizes maneuverability while minimizing the risk of repetitive motion injury commonly associated with manual cable tie installation tools.

The PAT 4.0 Cable Tie System can be configured for factory network communication, industrial control applications, and robotic integration through the following components:
- Data Interface (DI)- RJ45 Ethernet connection that provides production data for analysis as well as troubleshooting
- Electronic Interface (Ei)- 25-pin D-Sub connection allows the user to remotely control the PAT system through industrial control and robotic applications

Able to apply cable ties to a maximum bundle diameter, bundle ID, 0.31", 0.5", 1.0", 1.5", and 2.0"

Hose Bundling System

- Modular, reusable solution consists of grid tiles and specially designed, repositionable accessories that improve productivity
- Easy twist and lock in place accessories allow for faster routing of wires and design flexibility

Measure your productivity gains

- Fast and easy die changes per minute
- Save time

Patent Number: 7,717,030
Phone: 52.33.3777.6000
cs-la@panduit.com

www.panduit.com /PAT

www.panduit.com /PAT

COST

30%

24%

18%

65%

65% save time

65% square footage space

65% wire harness build times

6X that of conventional manual cable tie installations

Data Interface (DI)- RJ45 Ethernet connection that provides production data for analysis as well as troubleshooting
- Electronic Interface (Ei)- 25-pin D-Sub connection allows the user to remotely control the PAT system through industrial control and robotic applications

System addresses these challenges by introducing a series of next generation features and functionality to transform wire bundling and assembly as you know it.

Industry leading cycle times that are 25% faster than other automatic cable tie systems which provide maximum bundling productivity at a cost that of conventional manual cable tie installations
- User friendly icon-based LCD touch screen simplifies user navigation and allows the operator to make light changes to improve productivity and maintain the learning curve for operators, thus keeping your work force dynamic and productive
- Lightweight Ergonomic Tool Head reduces operator fatigue and maximizes maneuverability while minimizing the risk of repetitive motion injury commonly associated with manual cable tie installation tools.

The PAT 4.0 Cable Tie System can be configured for factory network communication, industrial control applications, and robotic integration through the following components:
- Data Interface (DI)- RJ45 Ethernet connection that provides production data for analysis as well as troubleshooting
- Electronic Interface (Ei)- 25-pin D-Sub connection allows the user to remotely control the PAT system through industrial control and robotic applications

Able to apply cable ties to a maximum bundle diameter, bundle ID, 0.31", 0.5", 1.0", 1.5", and 2.0"
### PAT System Selection Guide

**Transfer Hose**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Used with Transfer Head</th>
<th>Description</th>
<th>Length</th>
<th>Pkg</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAT1.5M4.0-BT</td>
<td>PAT1.5M4.0-BT</td>
<td>Used where maximum hose length from heads to reel is necessary for applications designed for only allowing to provide a reliable, secure connection and easy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAT2S</td>
<td>PAT1.5M4.0-BT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAT1M4.0</td>
<td>PAT1.5M4.0-BT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Filter/Regulator and Air Supply Hose**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Used with Dispenser</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD-N</td>
<td>PD-N</td>
<td>Hose connects dispenser to tool head; electrical</td>
<td>1</td>
</tr>
</tbody>
</table>

**Dispenser Frame**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Used with</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDSSSF</td>
<td>PDSSSF</td>
<td>Includes stainless steel housing, four stainless steel mounting brackets, air and water fittings, and four roller wheels for movement</td>
<td>1</td>
</tr>
</tbody>
</table>

**Bench Mount**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Used with</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDSSMT</td>
<td>PDSSMT</td>
<td>Used to install airflow filter/regulator and dispenser on workbench</td>
<td>1</td>
</tr>
</tbody>
</table>

**Data Interface Software and Ethernet-Enabled Dispenser Option**

*Requires Ethernet-enabled dispenser and customized data interface software allow production personnel to monitor system performance and productivity.*

- Provides the ability to send email notifications for specific system messages
- Enables remote control of the PDS system from a remote location using the PPM and PDS unit displays
- Offers in 20’ (3.84m) and 60’ (9.14m) coiled hose lengths

**Dispenser Remote Control Option**

- Enables remote control of the PDM and PDS dispensers to accommodate the tamperproof dispenser in hard-to-reach areas as needed by the manufacturing process
- Provides the same options and functionality as the PDM and PDS unit displays

**PAT/Robot Integration Kit**

- Utilizes the PAT system electronic interface option for PDM, 4.0, to optimally integrate the PAT system to a robot for a completely automated cable tie installation process
- Significantly reduces labor costs while improving installation quality, reliability, and consistency

**Tool Heads**

- Four styles accommodate a wide variety of bundling applications

**Dispenser**

- Panduit exclusive Ethernet-enabled dispenser and customized data interface software allow production personnel to monitor system performance and productivity
- Provides the ability to send email notifications for specific system messages
- Enables remote control of the PDS system from a remote location using the PPM and PDS unit displays
- Offers in 20’ (3.84m) and 60’ (9.14m) coiled hose lengths

**Data Interface Software and Ethernet-Enabled Dispenser Option**

*Requires Ethernet-enabled dispenser and customized data interface software allow production personnel to monitor system performance and productivity.*

- Provides the ability to send email notifications for specific system messages
- Enables remote control of the PDS system from a remote location using the PPM and PDS unit displays
- Offers in 20’ (3.84m) and 60’ (9.14m) coiled hose lengths

**Dispenser Remote Control Option**

- Enables remote control of the PDM and PDS dispensers to accommodate the tamperproof dispenser in hard-to-reach areas as needed by the manufacturing process
- Provides the same options and functionality as the PDM and PDS unit displays
- Offers in 20’ (3.84m) and 60’ (9.14m) coiled hose lengths

**PAT/Robot Integration Kit**

- Utilizes the PAT system electronic interface option for PDM, 4.0, to optimally integrate the PAT system to a robot for a completely automated cable tie installation process
- Significantly reduces labor costs while improving installation quality, reliability, and consistency
**Dispenser**

- **PAT3S**
  - Ethernet enabled dispenser provides a physical connection between the cable tie installation system and an industrial Ethernet network via an RJ45 connection and internal Ethernet card.
  - System operates on 65 psig (minimum) non-lubricated filtered air and is located on the back side of the unit.
  - Enables remote control of the PDM and PD3S dispensers to accommodate locating the dispenser in hard to reach areas as needed by the manufacturing process.

- **PD3S**
  - Ethernet enabled PDS dispenser with remote control using a 25 pin, D-Sub Connector on the back side of the unit. 1

- **PDH10-37**
  - Ethernet network via an RJ45 connection and internal Ethernet card.

- **PD-DIA**
  - Data interface accessory for existing PDM and PDS dispensers; includes software and network interface card.
  - Ethernet-enabled PDS dispenser and data interface software with PAT2S system.

- **PDS-DI**
  - Ethernet network via an RJ45 connection and internal Ethernet card.

**Tool Heads**

- **Tool Heads**
  - Four sizes accommodate a wide variety of bundling applications.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Maximum Number of Pieces</th>
<th>Standard Package Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAT1M4.0</td>
<td>25</td>
<td>10</td>
</tr>
<tr>
<td>PAT1.5M4.0</td>
<td>25</td>
<td>10</td>
</tr>
<tr>
<td>PAT2S</td>
<td>25</td>
<td>10</td>
</tr>
<tr>
<td>PAT3S</td>
<td>25</td>
<td>10</td>
</tr>
</tbody>
</table>

**Transfer Hose**

- **Transfer Hose**
  - Allows hands-free operation for high volume usage.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Description</th>
<th>Length</th>
<th>Pkg.</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT2S</td>
<td>25 pin, D-Sub</td>
<td>Handset for 25 pin, D-Sub Connector</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**Filter/Regulator and Air Supply Hose**

- **Filter/Regulator**
  - Removes lubricants from the air and maintains air pressure to the dispenser.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Filter/Regulator</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHM26</td>
<td>Cold trap cooler</td>
<td>Air filter and cooler tube ( \leq 0.005 \text{ in.} )</td>
<td>1</td>
</tr>
</tbody>
</table>

**Dispenser Frame**

- **Dispenser Frame**
  - Includes bench mount fixture and foot pedal assembly.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Dispenser Frame</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL283N1</td>
<td>Dispenser frame</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**Bench Mount**

- **Bench Mount**
  - Provides the ability to send email notifications for specific system messages.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Bench Mount</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL283N1</td>
<td>Bench mount</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**Data Interface Software and Ethernet-Enabled Dispenser Option**

- **Data Interface Software**
  - Enables the PAT system to a robot for a completely automated cable tie installation process.
  - Significantly reduces labor costs while improving installation quality, reliability, and consistency.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Data Interface Software</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS25</td>
<td>Data Interface Software</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**Electronic Interface Option**

- **Electronic Interface Option**
  - This option provides the capability to remotely control the PAT System.
  - Applications include robot control of the PAT System.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Electronic Interface Option</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS-DI</td>
<td>Electronic Interface Option</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**Dispenser Remote Control Option**

- **Dispenser Remote Control Option**
  - Enables remote control of the PDM and PD3S dispensers to accommodate locating the dispenser in hard to reach areas as needed by the manufacturing process.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Dispenser Remote Control Option</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS-RC</td>
<td>Dispenser Remote Control Option</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PAT/Robot Integration Kit**

- **PAT/Robot Integration Kit**
  - Utilizes the PAT System electronic interface option, PDM-4.0, to optimally integrate the PAT system to a robot for a completely automated cable tie installation process.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PAT/Robot Integration Kit</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RK</td>
<td>PAT/Robot Integration Kit</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**Dispenser Remote Control Option**

- **Dispenser Remote Control Option**
  - Enables remote control of the PDM and PD3S dispensers to accommodate locating the dispenser in hard to reach areas as needed by the manufacturing process.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Dispenser Remote Control Option</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS-RC</td>
<td>Dispenser Remote Control Option</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-TT**

- **PATM-TT**
  - Provides the capability to remotely control the PAT System.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-TT</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-TT</td>
<td>PATM-TT</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**PATM-RKS**

- **PATM-RKS**
  - Includes two 1-foot strain relief tubes with fastening hardware included on both sides of the unit.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PATM-RKS</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATM-RKS</td>
<td>PATM-RKS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
### Tool Heads

Four sizes accommodate a wide variety of bundling applications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Minimum Diameter (In.)</th>
<th>Maximum Bundle Dia. (In.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAT1.5M4.0</td>
<td>1.31 1.94* 49</td>
<td>PLT1.5M-XMR</td>
</tr>
<tr>
<td>PAT1M4.0-BT</td>
<td>0.82 1.31 33</td>
<td>PLT1M-XMR</td>
</tr>
<tr>
<td>PAT1M4.0</td>
<td>1.31 2.75* 70</td>
<td>PDS</td>
</tr>
</tbody>
</table>

*Order number of pieces required, in multiples of Standard Package Quantity.

### Dispenser Frame

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Used with</th>
<th>Description</th>
<th>Std. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FDSM-0</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>FDSM-5</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>FDSM-20</td>
<td></td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

### Bench Mount

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Used with</th>
<th>Description</th>
<th>Std. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS2</td>
<td></td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

### Filter/Regulator and Air Supply Hose

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Used with Dispenser</th>
<th>Description</th>
<th>Std. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHM3</td>
<td>PDS, PDSF</td>
<td>Air hose from filter/regulator; for PAT1.5M4.0, includes strain relief and 3/8&quot; port.</td>
<td>1</td>
</tr>
</tbody>
</table>

### Data Interface Software and Ethernet-Enabled Dispenser Option

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Used with Dispenser</th>
<th>Description</th>
<th>Std. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FDSM-0</td>
<td>PD3S, PD2S</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

*Note: Used with the PD3S and PD2S.**

**Includes a male connector and a 3/8" port.

### Transfer Hose

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Used with Tool Head</th>
<th>Description</th>
<th>Std. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTHM</td>
<td></td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

### Electronic Interface Option

- **This option provides the capability to remotely control the PAT System.**
- **Applications include robot control of the PAT System.**

### Dispenser Remote Control Option

- Enables remote control of the PDM and PDS dispensers to accommodate locating the dispenser in hard to reach areas as needed by the manufacturing process.
- *Provides the same options and functionality as the PDM and PDS unit displays.*
- *Offered in 20' (6.4m) and 30' (9m) cord lengths.*

### PAT/Robot Integration Kit*

- **Utilizes the PAT system electronic interface option. PD3S, 4.0, to optimally integrate the PAT System to a robot for a completely automated cable tie-in process.**
- **Significantly reduces labor costs while improving installation quality, reliability, and consistency.**

### PAT System Selection Guide

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Std. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTHM</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>
Complete your harness assembly with:

**Harness Board System**
- Modular, reusable solution consists of grid tiles and specially designed, reproducible accessories that improve productivity
- Easy twist and lock in place accessories allows for faster routing of wires and design flexibility

**Automated Transmission System**
- Speeds the process of indexing and crimping connectors resulting in consistent quality terminations to minimize installed cost and total cost per piece
- Choose from a wide selection of molded disconnects, snap-in, forks, pins, and ferrules

**Benefits**
- FASTER crimp cycle time
- 65% COST
- 30% FASTER setup time
- 50% LESS rework

**Related Products**
- Available in a variety of materials, colors, and sizes
- Available in all-nylon and stainless steel locking barb styles
- Available in a variety of materials, colors, and sizes

---

### Reel-Fed Cable Ties

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Tie Style</th>
<th>Material</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLT3S-VMR</td>
<td>One-Piece</td>
<td>All-Nylon</td>
<td>Black</td>
</tr>
<tr>
<td>PLT1M-XMR30</td>
<td>One-Piece</td>
<td>All-Nylon</td>
<td>Natural</td>
</tr>
<tr>
<td>BT1M-XMR</td>
<td>Barbed</td>
<td>Heat Stabilized Nylon 6.6</td>
<td>Black</td>
</tr>
<tr>
<td>PLT2S-VMR0</td>
<td>One-Piece</td>
<td>All-Nylon</td>
<td>Natural</td>
</tr>
<tr>
<td>BT1.5M-XMR30</td>
<td>One-Piece</td>
<td>All-Nylon</td>
<td>Natural</td>
</tr>
<tr>
<td>PLT3S-VMR</td>
<td>One-Piece</td>
<td>All-Nylon</td>
<td>Black</td>
</tr>
<tr>
<td>BT1.5M-XMR0</td>
<td>One-Piece</td>
<td>All-Nylon</td>
<td>Natural</td>
</tr>
</tbody>
</table>

---

**Note:** UL Listed, and CSA Certified except 69 material.

*Maximum Bundle Dia. will be less for solid round bundles.

**Effective January 1, 2016**

**Related Products**
- Available in a variety of materials for wire and cable identification, including:
  - heat shrink labels, self-laminating labels, turn-tell labels, and marker plates
  - compliance with industry standards
  - performance even in demanding environments
  - pins, and ferrules on reels
  - quality terminations to minimize installed cost and boost profits
  - accessories that improve productivity

**Product Bulletin**
- Visit us at www.panduit.com

相关产品
- 网格亭解决方案由Panduit Inc.在2007年发布

**Product Bulletin**
- Visit us at www.panduit.com

**Contact Information**
- cs-cdn@panduit.com
- Markham, Ontario

---

**WORLDWIDE SUBSIDIARIES AND SALES OFFICES**
- Visit us at www.panduit.com

---

**For a copy of Panduit product warranties, log on to www.panduit.com/warranty**

---

©2016 Panduit Corp.

---

8/30/2016
Reel-Fed Cable Ties

- Continuously molted cable tie (up to 0.005" thick) for high productivity and reduced downtime
- Up to 30 lbs. minimum break strength in extricate cross section, 62 lbs. standard cross section
- Available in all-nylon and stainless steel locking barb styles
- Available in a variety of materials, colors, and sizes

Available in a variety of materials, colors, and sizes

Choose from Pan-Wrap Desktop printers and labeling software provide fast, high-quality label production

Complete your harness assembly with:

Reel-Fed Cable Ties

- 100% nylon
- Continuous molding
- Tensile strength of 80 lbs.

Available in a variety of materials, colors, and sizes

Choose from Pan-Wrap Desktop printers and labeling software provide fast, high-quality label production

Complete your harness assembly with:

Reel-Fed Cable Ties

- 100% nylon
- Continuous molding
- Tensile strength of 80 lbs.

Benefits

- Minimizes the need for outside labor
- Reduces waste and material costs
- Improves work flow
- Reduces overall labor expenses

Measure your productivity gains

Fast and easy die changers save time

Identifiers

- Proper harness identification improves quality assurance and ensures compliance with industry standards

- Nylon or all-nylon tie styles are available

- Available in a wide variety of materials for wire and cable identification, including heat shrink labels, self-laminating labels, turn-tell labels, and marker plates

Save time, space, and money

- Save on labor, maintenance, and material costs

- Save on space for inventory and equipment

- Save on overall project costs

Prepare for harnessing

- Prepare for harnessing
- Prepare for harnessing

Reduce time for labeling by up to 75%

Abrasion Protection

- Insulate, protect, and color code wires to help ensure high-quality performance even in demanding environments

- Choose from Pan-Wrap®, spiral wrap, corrugated tubing and braided sleeving, and heat shrink from

- Pull-out from abrasion
- Environmental factors
- Bundles and round wires and cables efficiently

Automated Transaction System

- Spreads the process of indexing and蛤 printing connections making it consistent in quality, repeatable to minimum install cost and total profit

- Choose from a wide selection of molded disconnects, splices, rings, forks, pins, and female splices

- Measure your productivity gains

- Fast and easy die changers save time

Key Features

- Tool heads for several bundle diameters
- Dynamic, lightweight tool head
- Reduces operator fatigue and improves station output to increase productivity

- Multiple cable tie styles and sizes

- LFD touch screen display (PAT-4.0) with

- Microprocessor-based control

- Data interface accessory

- For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

Visit us at www.panduit.com

Customer Satisfaction Dept. 810-500-3600
www.panduit.com

Product Bulletin

www.panduit.com/PAT

Contact Customer Service by email: cs@panduit.com

Visit us at www.panduit.com

COST REDUCTION contamination in standard and modified environments

6X Faster than conventional manual cable tie installations

PAT/Robot Integration Kit

- Continuously molded cable tie in reels containing up to 6,000 ties per-reel

- Provides improved feeding and pull out changes to reduce downtime and improve productivity

- User friendly icon-based LCD touch screen simplifies user navigation

- LFD touch screen display allows for easy wire management via bar coded menus and multiple language options

- Microprocessor-based control

- Data interface accessory

- Tab-heads for several bundle diameters

- Dynamic, lightweight tool head

- Reduces operator fatigue and improves station output to increase productivity

- Multiple cable tie styles and sizes

- LFD touch screen display (PAT-4.0) with

- Microprocessor-based control

- Data interface accessory

- For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

Visit us at www.panduit.com

Customer Satisfaction Dept. 810-500-3600
www.panduit.com

Product Bulletin

www.panduit.com/PAT

Contact Customer Service by email: cs@panduit.com

Visit us at www.panduit.com