**TJR**

**Available CAT Packs**
- TJR
- TJR PPS

**NEEDLE & NOZZLE SETS**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>60-TJR-30-08</td>
<td>0.8 mm Needle / Nozzle Set</td>
</tr>
<tr>
<td>60-TJR-30-10</td>
<td>1.0 mm Needle / Nozzle Set</td>
</tr>
<tr>
<td>60-TJR-30-12</td>
<td>1.2 mm Needle / Nozzle Set</td>
</tr>
</tbody>
</table>

*1012 needle is used for both the 1.0 and 1.2 nozzle*

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**ITEM NO. | PART NO. | DESCRIPTION**
---|---|---
1 | TJR | Body Assembly
2 | 60-TJR-30-XX | Needle / Nozzle Set*
3 | 60-TJR-20 | Air Cap
4 | 60-TJR-10-W | Wrench & Brush Kit
Repair Kit | 60-TJR-10 | Soft Seal Repair Kit
5 | 51-406 | Aluminum Cup
6 | 51-407 | Plastic Cup
7 | 91-470 | Cup and Collar
8 | 91-471-50 | Lids and Liners (50 Pack)
9 | 91-473 | TJR PPS Adapter

*See Needle & Nozzle Sets Chart*
# Techline JR Kits

## GRAVITY FEED SPRAY GUN

## PRODUCT INFORMATION

### TJR Deluxe

**Available CAT Packs**
- TJR Deluxe
- TJR Deluxe PPS

<table>
<thead>
<tr>
<th>Kit</th>
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</tr>
</thead>
<tbody>
<tr>
<td>TJR Deluxe</td>
<td>60-TJR-30-XX</td>
<td>Needle / Nozzle Set*</td>
<td>2</td>
<td>60-TJR-30-XX</td>
<td>Needle / Nozzle Set* (Soft Seal Repair Kit: 60-TJR-10)</td>
</tr>
<tr>
<td>TJR Deluxe PPS</td>
<td>60-TJR-30-XX</td>
<td>Needle / Nozzle Set*</td>
<td>2</td>
<td>60-TJR-30-XX</td>
<td>Needle / Nozzle Set* (Soft Seal Repair Kit: 60-TJR-10)</td>
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### Needle & Nozzle Sets

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<td>1.0 mm Needle / Nozzle Set</td>
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<td>60-TJR-30-12</td>
<td>1.2 mm Needle / Nozzle Set</td>
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</tbody>
</table>

*1012 needle is used for both the 1.0 and 1.2 nozzle

### TJR Deluxe

**Available CAT Packs**
- TJR Glaze
- TJR Glaze PPS

*Inspired by Wayne Smith

*No air needed when using Glaze Nozzle

*Uses 1.2 needle supplied in kit

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<tr>
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<tbody>
<tr>
<td>TJR Glaze</td>
<td>60-TJR-30-12</td>
<td>Needle / Nozzle Set*</td>
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<td>60-TJR-30-12</td>
<td>Needle / Nozzle Set*</td>
</tr>
<tr>
<td>TJR Glaze PPS</td>
<td>60-TJR-30-12</td>
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### TJR Glaze

**Available CAT Packs**
- TJR Glaze
- TJR Glaze PPS

*Inspired by Wayne Smith

*No air needed when using Glaze Nozzle

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<td>60-TJR-30-12</td>
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<td>60-TJR-30-12</td>
<td>Needle / Nozzle Set*</td>
</tr>
<tr>
<td>TJR Glaze PPS</td>
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**NEEDLE & NOZZLE SETS**

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<tbody>
<tr>
<td>60-TJR-30-10</td>
<td>1.0 mm Needle / Nozzle Set</td>
</tr>
<tr>
<td>60-TJR-30-12</td>
<td>1.2 mm Needle / Nozzle Set</td>
</tr>
</tbody>
</table>

*See Needle & Nozzle Sets Chart*
**Item 3 (Atomizing Spacer)**

**Front**
Face towards Air Cap and Nozzle

**Back**
Face towards the TJR gun body

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<tr>
<th>ITEM NO.</th>
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<tbody>
<tr>
<td>1</td>
<td>See Page 1 &amp; 2</td>
<td>Air Cap</td>
<td>7</td>
<td>60-TJR-15</td>
<td>Fluid Control Knob / Lock</td>
</tr>
<tr>
<td>2</td>
<td>See Page 1 &amp; 2</td>
<td>Nozzle</td>
<td>8</td>
<td>60-TJR-14</td>
<td>Air Valve</td>
</tr>
<tr>
<td>3</td>
<td>60-TJR-11</td>
<td>Atomizing Black Spacer</td>
<td>9</td>
<td>60-TJR-12</td>
<td>Fan Control Knob</td>
</tr>
<tr>
<td>4</td>
<td>See Page 1 &amp; 2</td>
<td>TJR Gravity Cup</td>
<td>10</td>
<td>60-TJR-18</td>
<td>Air Inlet Fitting</td>
</tr>
<tr>
<td>5</td>
<td>60-TJR-16</td>
<td>Fluid Inlet</td>
<td>11</td>
<td>60-TJR-13</td>
<td>Air Control Knob</td>
</tr>
<tr>
<td>6</td>
<td>See Page 1 &amp; 2</td>
<td>Needle</td>
<td>*</td>
<td>60-TJR-10</td>
<td>Repair Kit</td>
</tr>
</tbody>
</table>

*Indicates part included in repair kit 60-TJR-10

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Coating Atomization Technologies P.O. Box 17820, Boulder CO 80308 (888) 820-4498 Fax (303) 438-5708 www.sprayCAT.com
Operating and Maintenance Instructions for the CAT TJR Spray Gun

Setting Up The TJR Spray Gun
The TJR operates best with 10 PSI at the gun (operating pressure)
The TJR uses 3.5 cfm.
The TJR is supplied with an air inlet fitting which is ¼” NPT male. You will need to hook up a suitable length of 5/16” air hose fitted with a ¼” NPS(F) connection.
Connect the gravity feed cup to the gun by screwing the cup onto the spray gun fluid inlet.

Adjusting Your Spray Gun
There are two means of adjusting air at the gun. The pattern adjusting valve and the air adjusting valve.

Pattern Adjusting Valve
The pattern-adjusting valve regulates air to the “horns” of the gun air cap. Horn air controls the shape of the spray pattern.

1. When the pattern adjusting valve is closed (turned completely clockwise) - a round pattern results.
2. Opening the pattern adjusting valve (turn counter clockwise) produces an increasingly wider and flatter fan pattern.
3. When the maximum spray pattern (widest fan) is achieved, additional turns will not affect the pattern.

Air Adjusting Valve
The air adjusting valve controls only the flow of air (CFM) to the air cap and has no effect on air pressure (PSI). The valve is often referred to as the “cheater” valve as it is used to restrict air without adjusting the air regulator.

1. Closing the air-adjusting valve (turn counterclockwise) restricts the air flow.
2. Opening the valve (clockwise) increases the volume (flow) of air. This will affect the degree of atomization, but will not change the spray pattern.
3. The air cap (CFM) specification will determine the (CFM) requirements of the gun.

Using 60-TJR-30-10-G (Glaze Nozzle)
When using the new glaze nozzle the first thing you will notice is that there is no air cap, so you will need no air to operate this gun with the glaze setup.

1. Once you have placed the glazing needle and nozzle tightly on the gun, choose the cup you want to use and tighten everything down.
2. Fill the gravity cup with glaze and tighten the lid.
3. Gently press the nozzle tip against the surface you are glazing and pull the trigger.
4. When you come to the point where you no longer want to place the glaze, stop pulling the trigger and the glaze will stop running from the tip.
5. You can also control the size of your glazing strip by turning the fluid control knob.
6. To clean simply pour out unused glaze and flush with solvent.

60-TJR-30-10-G was inspired by Wayne Smith