



# NewArc™ Wheel Straightener

## Standard Equipment Package Inclusions



### YOUR MACHINE PACKAGE

Most of the components in your machine package are self-explanatory. A few of the items might need a little explanation for you to become familiar with them. This document contains a brief explanation of those parts.

### FRAME

The SRS 1 frame is steel and is primarily designed to be floor-mounted in a mobile service unit. It can be used in a shop environment as well, but cannot be configured with a mobility package, which includes casters, push bar, pump mount brackets and ram mount brackets. The mobility package is only available with the SRS 2 or SRS 3 machines, as shown in the above display photo. The SRS-1 frame is similar in design, but heavier and bulkier than the aluminum SRS-2 or SRS 3 units. The two are comparably priced. The only difference between the SRS 2 & SRS 3 is swing. The SRS 2 can swing wheels up to 22" while the SRS 3 can swing over 30" for those who need to leave the tire on for straightening.

## **HYDRAULIC COMPONENTS**

Every NewArc™ comes with the following Enerpac hydraulic components:

(2) P-141 Single Action Pumps

(1) RC 51 Hydraulic Cylinder

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(2) HC9206C Hydraulic Hoses

(2) GA45GC Gauge Adaptor Assembly with FZ1055 Manifold Adaptors

### **Pusher Spacers (2)**

These magnetic attachments snap over the end of all Enerpac RC series rams and extend the collapsed length by 1". The magnetic feature makes for a quick-connect extension.

### **Pusher Platen (1)**

This heavy-duty disc/nut weldment provides an anchor point for the upper axis during dual-axis pressure applications. It is also used to adjust the position and angle of the upper axis ram.

### **Centering Cones (3)**

These tapered steel cones are included for centering wheels on the machine mainshaft.

### **Ram Extender (2)**

This bolt-on attachment fastens to the end of all Enerpac RC series rams to extend the collapsed length by 1". It accomplishes the same thing as the Pusher Spacer but is a more permanent and solid extension.

### **Hydraulic Bead Breaker Pusher (1) (SRS 2 machine only)**

If you have found it necessary to try a straightening with the tire still on the wheel and have determined that more heat is needed, which will damage the tire. If that is the case, breaking the bead will enable you to apply more heat. The HBB Pusher has a ¼" x 3/16" deep slot milled in the coupler end. This slot will catch the lower corner of the Swing Arm Lockdown Block so you can break the tire down without having to remove it from the machine Mainshaft.

### **Ram Rocker (2)**

These magnetic attachments snap over the end of all Enerpac RC series rams. It allows the upper axis to "rock" to different angles in the patented Dual-Axis straightening setup.

### **Drift Punch (1)**

This tool is a short piece of 6063 T52 aluminum round stock. Since it is a softer aluminum, tool marks on the wheel are minimized as you deliver a sharp and effective blow at the precise location you choose.

### **Steel Die (2)**

The curved and tapered surface of this die leaves few evidence marks on the wheel surface. The quick-change design incorporates a neoprene O-ring, which allows free rotation in the bore of the Ram for precise positioning.

**Pusher Support Attachment (1)**

This device supports the machine Mainshaft during high pressure operations by mirroring the upper axis setup. We recommend this attachment be used at all pressures over 5,000psi. This attachment is composed of a heavy duty tube, threaded rod & nut. The magnetic pusher spacers and ram rockers will also work with this attachment.

**Spanner Wrench (1)**

2 ¼" face spanner is used to secure the machine Mainshaft nut. It is a good practice to check this nut periodically during straightening and quickly re-tighten, if necessary.

**Dial Indicator Set (1)**

This set for the SRS 2 aluminum frame machine is composed of a 1" travel lug-back indicator with adaptor and a cam-lock flexbar with C-clamp mount. Cam-lock positioning is quick and the C-clamp ensures a solid mount. The set for the SRS 1 steel frame machine includes a magnetic base.

**Lead Hammer (1)**

Made by Cook Hammer Company, this 4lb lead hammer can be recast when the head becomes too deformed to use effectively.

**Dye Penetrant Kit (1)**

Made by Independent Test Services, this kit contains proprietary fluorescent dye and UV flashlight, which are used for state-of-the-art crack inspection.

**Infrared Thermometer (1)**

This tool is used for precise surface temperature monitoring while heating the damaged area of the wheel.

**Nylon Pressure Protectors (3)**

These ¼" thick squares of nylon are used to protect the wheel from tool-mark damage. They are placed between the steel die and the wheel surface during pressure applications.

**Wheel Raisers (3)**

If the tip of one of the centering cones touches the mainshaft platen during mounting, these three steel pieces can be used to raise the wheel slightly.