

# Specifications:

## Tube Material Reference

- **Alloys:** Brass, Copper, Copper Nickel, Aluminum brass, Stainless Steels, Titanium, Inconel and Carbon Steel
- **Tube Sizes:** 5/8", -1 1/4" OD and 16-22 gauge

## Technical and Performance Data

- Pulling Speed:** 0-250 ft/min-variable
- Maximum Oil Flow:** 23 gpm
- Recommended Oil:** ISO 32 or ISO 46
- Cont. Operating Pressure:** 2,100 psi
- Int. Operating Pressure:** 2,650 psi
- Pulling Force:** 4,000 lbs Cont. P. – 5,000/lbs Int. P.
- Consumable Parts:** Extractor rolls and tube guides
- Tool Adjustments:** (2) Roll gap and roll tension
- Extractor Weight:** 90 lbs- EDC model
- Extractor Weight:** 102 lbs-MCV model
- HPU Data:** See HPU specification sheet

## How It Works

**Step 1:** Adjust the rolls gap and tension to fit tube OD

**Step 2:** Maneuver tool over a tube that has been pulled by the collet puller. The supplied tool balancer or gin pole will make this task easy.

**Step 3:** Slowly pull the joy stick towards the handle to begin gripping the tube and gradually increase speed after the extractor face meets up to the tube sheet.

**Step 4:** The extractor will pull and flatten a 50 ft tube in about 12 seconds.

**Step 5:** Move on to the next tube. Occasionally the tool will need to be reversed which is safely accomplished by pulling the joy stick away from the handle.

## Design Features

- **Powerful:** Parker TE series high torque motors provide the pulling force and speed required for large condenser retubing and salvage projects.
- **Roll Grip Efficiency:** Improved geometry, V-pattern teeth and made of hardened crucible tool steel ensure maximum grip and a long life of the rolls.
- **Tool Mounted Control:** Stainless steel handle with a bi-directional joy stick provides for safe operation & precise control
- **Easy Adjustment:** Just turn the 4 hex bolts on both sides of the body to adjust the gap between the 2 rolls and tension applied to the tube.
- **Quality Construction:** Built using the highest quality hydraulic motors, hoses and fittings supplied by Parker Hannifin. The consumable and rotating parts are machined from special alloys and hardened to resist wear and withstand extreme stress loads. The 6 body components are made of an aircraft grade aluminum alloy for lightness and strength.
- **Low Maintenance:** Just grease regularly and change worn consumable parts as needed and this machine will provide years of trouble free operation.

# XHD Tube Extractor

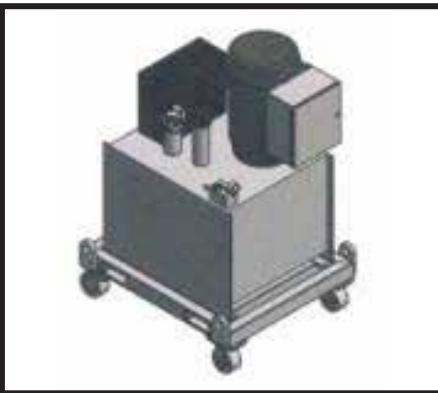
This *extra heavy duty* extractor has been designed to rapidly remove ferrous and non-ferrous tubes from large power plant condensers and other large heat exchangers. After using PSR's Collet Puller to pull the tubes 6 inches out from the tube sheet this compact powerful machine will extract and flatten 5/8" OD -1 1/4" OD tubes at variable speeds up to 250 linear feet per minute. The extractor is either furnished with a manual directional flow control valve mounted on the handle assembly, model MVC, or a electronic control stick which sends a remote 12Vdc signal to a electro-hydraulic servo valve on the HPU, model EDC

## Our standard package includes:

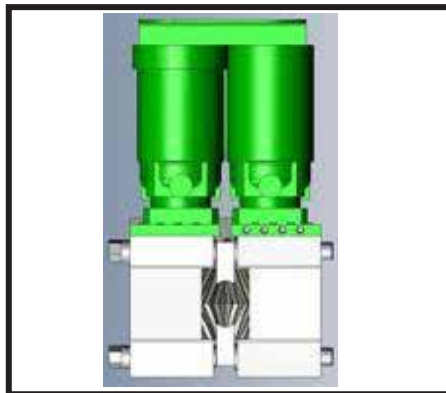
- Extractor with 2 ea. 1/2" x 10 ft whip hoses
- Tool balancer & service tools
- Storage case, EP grease and gun
- Instruction manual and spare parts

## Accessories:

- Extractor HPU with 2 ea 3/4" x 40 ft hoses
- Gin Pole with sliding counter weight
- Beam and pipe trolley systems



Hydraulic Power Unit



Front View

**Simple to Use • Rapid • Cost Efficient**

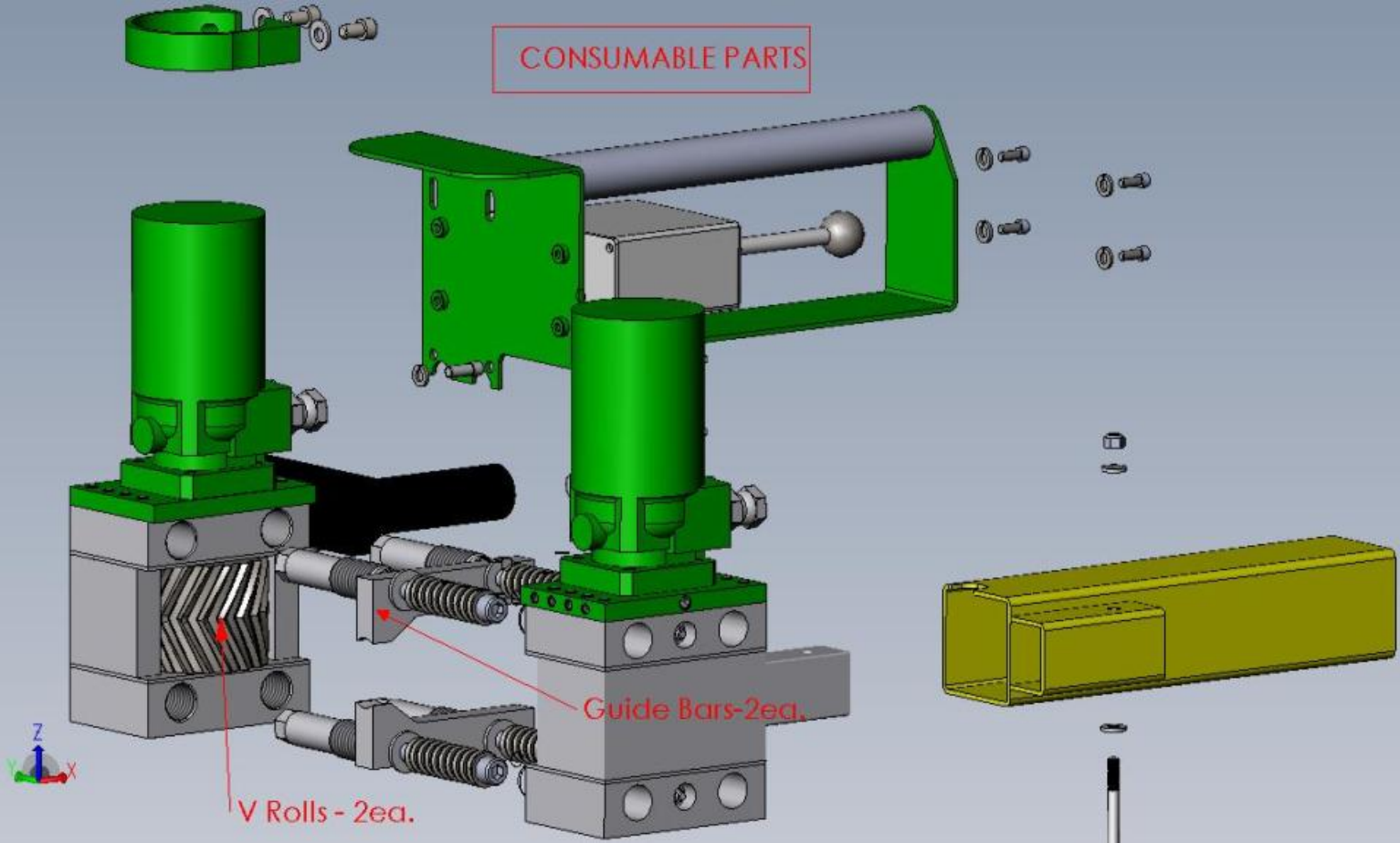


**Power System Recovery**  
1482 East Valley Road- Suite 103  
Santa Barbara, CA 93108



Photos of MCV Model Extractor

CONSUMABLE PARTS

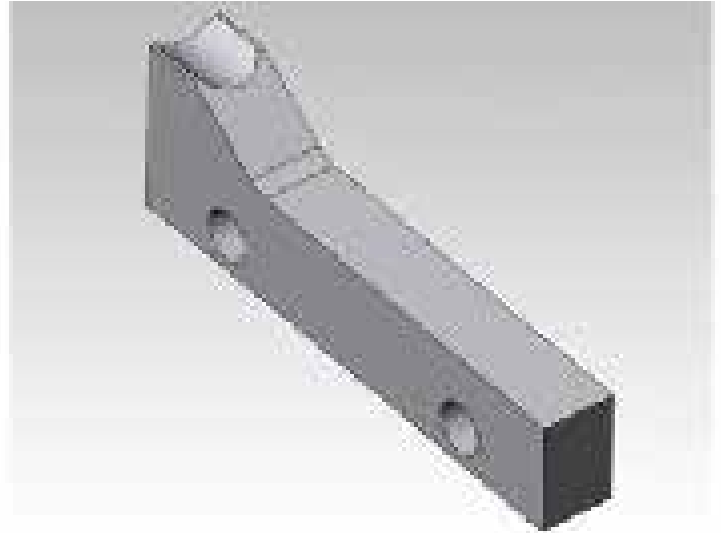


# Consumable Parts - XHD Extractor

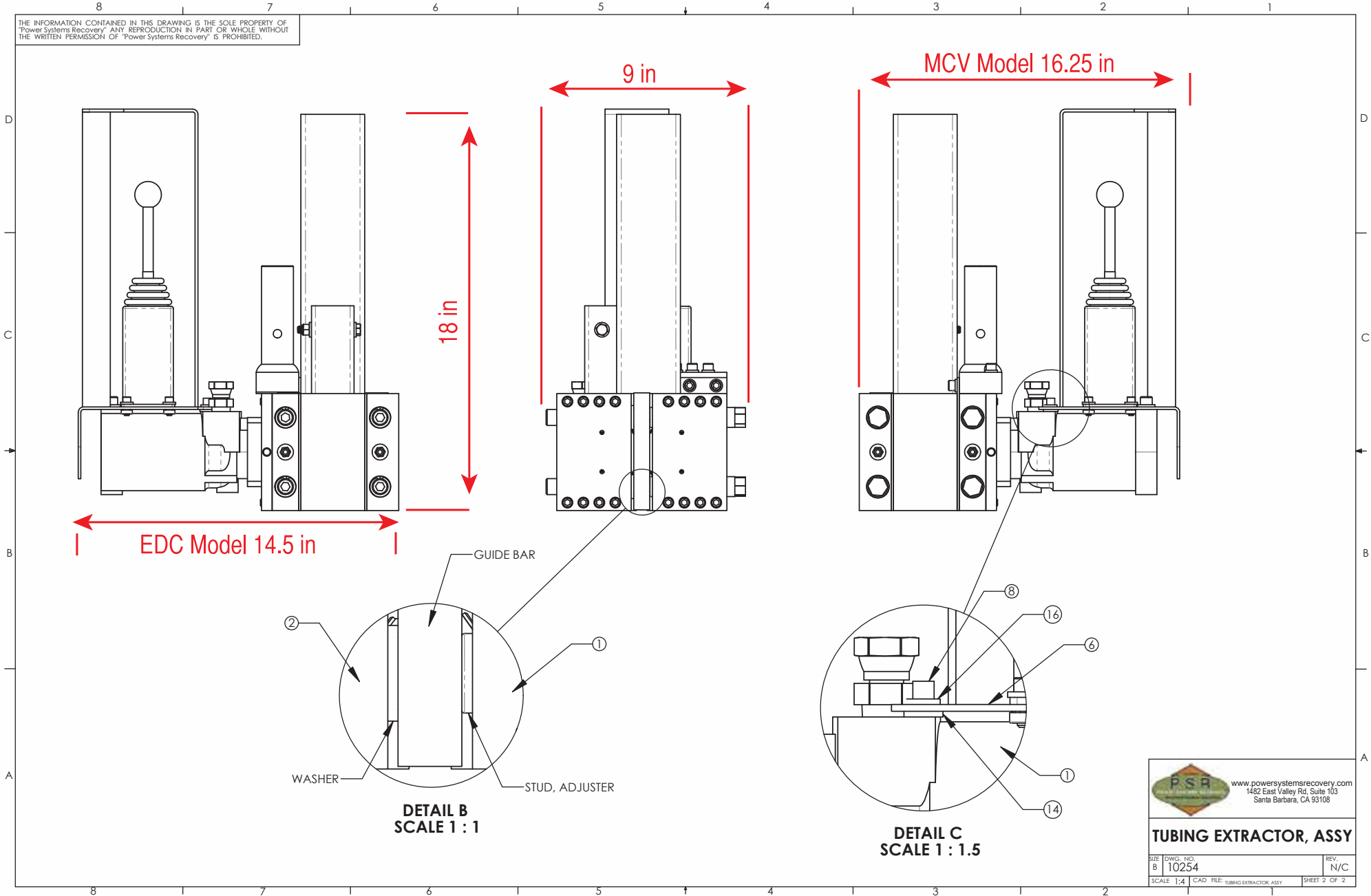
<b>Part Number</b>	<b>Description</b>
10254-16	EXTRACTOR ROLL



<b>Part Number</b>	<b>Description</b>
10254-22	GUIDE BAR



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF "Power Systems Recovery". ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF "Power Systems Recovery" IS PROHIBITED.



		<a href="http://www.powersystemsrecovery.com">www.powersystemsrecovery.com</a> 1482 East Valley Rd, Suite 103 Santa Barbara, CA 93108	
		<b>TUBING EXTRACTOR, ASSY</b>	
SIZE	DWG. NO.	REV.	
B	10254	N/C	
SCALE 1:4		CAD FILE: TUBING EXTRACTOR.ASSY	SHEET 2 OF 2