

# KCA MODEL 50 CARBON ADR PLANT



**MODEL 50 CARBON ADSORPTION-DESORPTION-RECOVERY PLANT.  
220 US GPM (50 CU M/HR)  
FOR PROCESSING 800-1500 TONNES OF GOLD/SILVER ORE PER DAY.**

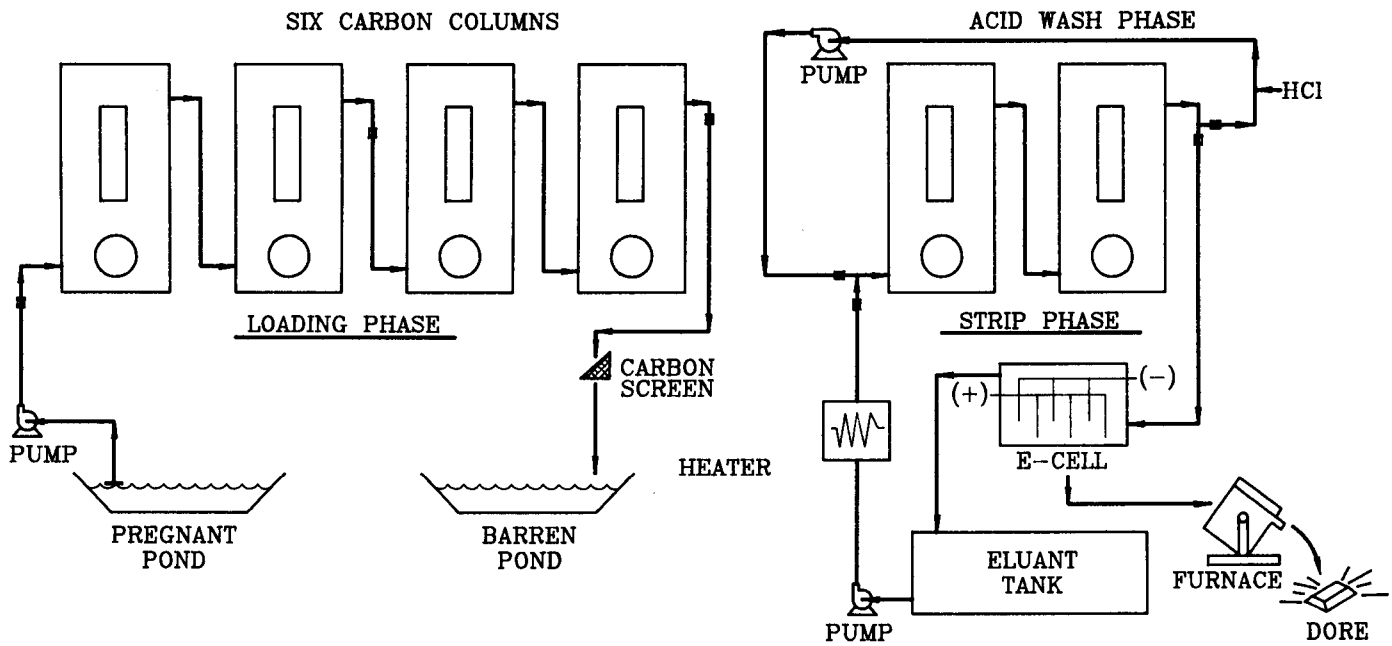
**INCLUDES: PUMPS, DORE FURNACE  
AND ALL ACCESSORIES FOR  
PRODUCTION OF GOLD/SILVER BULLION.**

**A HISTORY OF PROVEN PERFORMANCE  
AT SITES THROUGHOUT THE WORLD.**

- **OTHER STANDARD SIZES  
AVAILABLE TO FIT YOUR  
PROJECT NEEDS**
- **FULLY MODULAR  
FOR RAPID  
INSTALLATION  
AT REMOTE SITES**
- **EASILY MOVEABLE**
- **HIGH RESALE VALUE**



**KCA Kappes, Cassiday & Associates**



## KCA MODEL 50 CARBON ADR PLANT

### BASIC CONFIGURATION:

- ONE 40-FT SKID OR 48-FT SEMI-TRAILER
- ONE 20-FT CONTAINER OR 28-FT SEMI-TRAILER
- ONE STAND-ALONE TANK AND A SEPARATELY MOUNTED FURNACE
- PREGNANT AND BARREN POND PUMPS AND FITTINGS

#### SKID #1 (48-FT TRAILER)

- SIX ADSORPTION/STRIPPING COLUMNS (0.9 TONS CARBON/COLUMN)
- ELECTRICAL CONTROL PANEL
- ACID MIX TANK
- ACID WASH PUMP

#### 20-FT CONTAINER (28-FT TRAILER)

- KCA HIGH CAPACITY ELECTROLYTIC CELL
- CELL HOOD WITH EXHAUST FAN
- SINK AND COUNTER
- 8 CU FT. (0.23 CU M) COMBINATION-LOCK SAFE
- LIGHTS, VENTILATION
- STEEL MESH SECURITY ENTRANCE GATE

#### SEPARATE ITEMS

- 2000 GALLON INSULATED STRIP SOLUTION STORAGE TANK
- GAS, DIESEL OR ELECTRIC-POWERED SOLUTION HEATER (45 Kw)
- STRIP SOLUTION PUMP
- CARBON SCREEN
- KCA #225 GAS OR DIESEL FIRED TILTING POT FURNACE
- POURING MOLDS AND FURNACE ACCESSORIES

### KEY FEATURES:

- HIGHEST TURNUP/TURNDOWN RATIO FOR SOLUTION PROCESS RATE.
- LOWEST CARBON ABRASION OF ANY CIC CIRCUIT.
- OPERATION IS FAILSAFE REGARDLESS OF OPERATOR ERROR.
- RAPID SHIPPING AND SETUP TIMES.

### SPECIFICATIONS:

#### SOLUTION PROCESS RATE:

NOMINAL:

220 US GPM (50 CU M/HR)

EFFICIENT OPERATING RANGE:

130-270 US GPM

#### GOLD RECOVERY PER CYCLE:

95%+ WHEN PROCESSING SOLUTION

ASSAYING 0.5 TO 3.0 PPM GOLD

#### CARBON STRIPPED PER CYCLE:

3600 POUNDS

#### GOLD RECOVERED PER CYCLE:

270 OUNCES (8 KG)

#### MAXIMUM NUMBER OF STRIP CYCLES:

ONCE EACH 24 HOURS.

***Kappes, Cassidy & Associates***