

# YANKE

## MACHINE SHOP, INC.

### MACHINING AND STEEL FABRICATING



# COMPLETE, MODERN SHOP FACILITIES

## MACHINE SHOP FACILITIES

Yanke has 26,000 square feet of machine shop space to serve your needs, with more than 20 qualified machinists. Services include:

- 13 engine lathes, with 6" to 72" swing
- 2 turret lathes
- Hydraulic planer/miller; (1) open-side, 6' x 12' travel and (1) 4' x 18' travel
- Vertical boring mill with 8' swing
- Horizontal boring mill with 16' longitudinal travel and 8' vertical travel
- Hydraulic horizontal boring mill with 3' vertical travel, and line boring capacity of 8'
- 2 radial drill presses
- Sprocket and gear cutting equipment
- Sprockets, through 2" pitch, 60" diameter
- Flame-cut sprockets, any diameter, any size
- Gears: 24 D.P. through 1 D.P.
- Bolt and pipe threading equipment
- Hydraulic surface grinder 12" x 24"

## FIELD SERVICE

Steel erection, equipment installation, field-built tanks, installation of conveyor systems, portable machine work, service trucks, and mobile cranes to a 30-ton capacity.

## FABRICATION FACILITIES

Yanke fabrication shop space covers 60,000 square feet, with 40 qualified welders, fitters, and painters. Services include:

- Metal working of aluminum, carbon, and stainless steel
- Shearing capacity 3/4" plate x 12'
- Braking capacity 1/2" x 18'
- Rolling capacity 1" x 12'
- Iron worker punch, shearing, coping
- CNC and electric eye automatic flame cutting
- Plasma arc
- Sandblasting and painting

## WELDING REPAIR & MECHANIC FACILITIES

Yanke features a 24,000 square foot welding repair shop, with more than 20 qualified welders, fitters, and mechanics. Services include:

- Heliarc, MIG, dual shield, and oxygen acetylene welding
- Pressing, through 500-ton, horizontal and vertical presses
- Truck and trailer axle straightening and repairing
- CNC and electric eye automatic flame cutting
- Blower rebuilding and reblading
- Crusher repair and rebuilding
- Bucket repair and rebuilding

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**YANKE MACHINE SHOP, INC.** established in 1942 offers its customers fast, efficient service in the design, manufacture, and repair of construction, asphalt, aggregate, hydro, mining, agricultural and sawmill equipment.

## MANAGEMENT

<b>LINDA YANKE</b> , President .....		
<b>JOHN ALVERSON</b> , Operations Manager .....	(208) 454-1091	Cell (208) 631-5646
<b>RICHARD WEEKS</b> , Fabrication Superintendent .....	(208) 465-0028	Cell (208) 921-0297
<b>ROD MILES</b> , Machine Shop Superintendent .....	(208) 322-8259	Cell (208) 859-2964
<b>DENNIS STEWART</b> , Repair Shop Superintendent .....	(208) 343-5230	Cell (208) 869-0521
<b>DARIN BUSSERT</b> , Purchasing Manager – Parts & Sales .....	(208) 365-3654	
<b>RON BERNARD</b> , Chief Estimating Manager .....	(208) 338-2272	
<b>JOE HEMMERT</b> , Quality Control/Safety Administrator .....	(208) 342-8901	ext 251
<b>KEN PHELPS</b> , Field Superintendent .....	(208) 322-7546	Cell (208) 866-0227
<b>DIRK CHRISTISON</b> , Customer Support .....	(208) 375-9127	Cell (208) 866-2696

### **YANKE MACHINE SHOP, INC.**

P.O. Box 5405 • 4414 So. Gekeler Lane • Boise, Idaho • Phone (208) 342-8901 • FAX (208) 338-2215

# ASPHALT INDUSTRY DESIGN AND MANUFACTURE

- Surge Systems — Conversions
- Hot Oil Systems — Cold Bin Feeders
- Scrubbers — Custom Built Components



◀ Standard 200 ton per hour drum mixer unit complete with scrubber.

Standard 6,000 lb. asphalt batch hopper. ▶



Two, 200 ton capacity silos and one, 36 in. x 88 ft. drag conveyor with splitter chute and two drop out gates in Tacoma, Washington. ▶

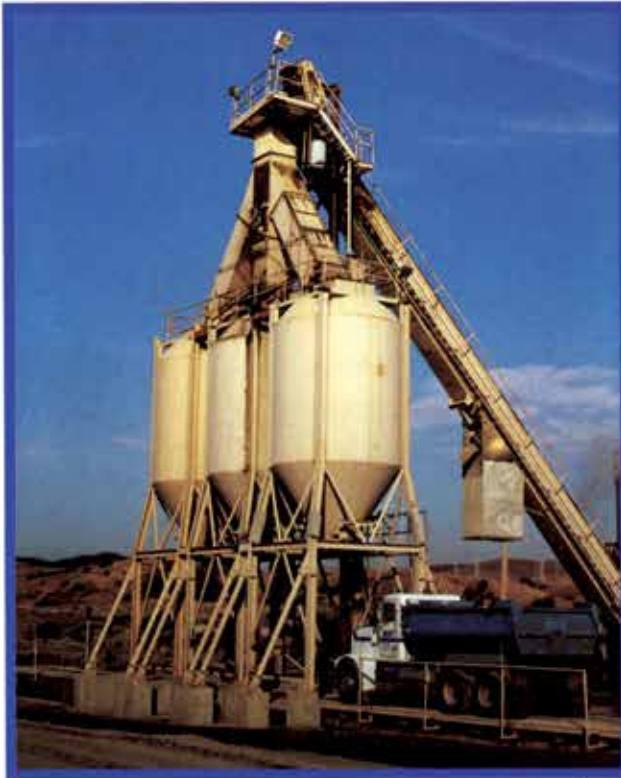


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# ASPHALT INDUSTRY

## PLANT MODIFICATIONS AND UPGRADES



◀ Before



Adding Silo Extensions ▶



◀ Adding New Conveyor



▶ After

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# ASPHALT INDUSTRY

## DESIGN AND MANUFACTURE



▲ 300 ton per hour asphalt drum mixer.

▼ 24 in. x 55 ft. drag conveyor for a plant in Nevada.



▲ Portable 3 bin cold aggregate feeder for a customer in Arizona.

▼ 25,000 gallon hot asphalt oil tank for customer in Canada.



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# ASPHALT INDUSTRY DESIGN AND MANUFACTURE

## SELF-ERECTING SURGE SYSTEM

### PORTABLE 80-TON ASPHALT SURGE SYSTEM



◀ Unit in the lowered transport position.

Unit in the erected position. ▶



◀ Fully operational within minutes.

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# AGGREGATE INDUSTRY

## DESIGN AND MANUFACTURE



▲ Large crushing trailer for a local highway contractor.

▼ Cold bin feeders for a contractor in Utah.



▲ 4,000 gal. capacity water tank for an Idaho construction company.



▲ Screening and crushing trailer built for a local contractor.

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# AGGREGATE INDUSTRY DESIGN AND MANUFACTURE

Crushing Equipment — Screening Equipment  
Trap Feeders — Conveyors  
Grizzlies — Stackers



◀ Trailer with two, triple deck screens for contractor based in Oregon.



▼ Belly dump truck hopper with conveyor. (Boise, Idaho)



▲ Portable roll crusher with feed and discharge conveyors. (Nampa, Idaho)

Radial stacking conveyor, shown in road travel position. ▶  
Wheels pivot 90° for stacking.



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# MACHINE SHOP SERVICE



◀ Miscellaneous machined items typical of many repaired or newly manufactured by Yanke Machine Shop, Inc.

▶ Machining press rolls for a plant in New Mexico.



▶ Reboring and repair of hubs on a building block manufacturing jig for a regional supplier.

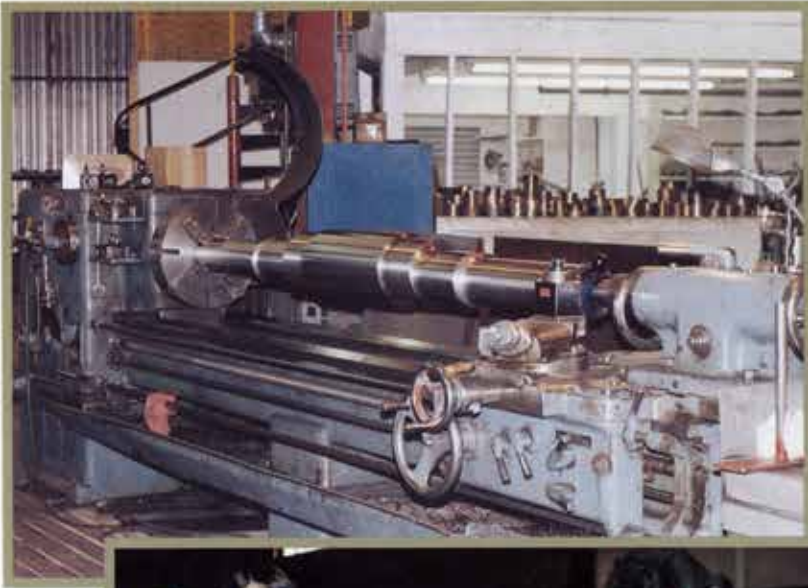


▶ Machining of a base plate on a horizontal boring mill.

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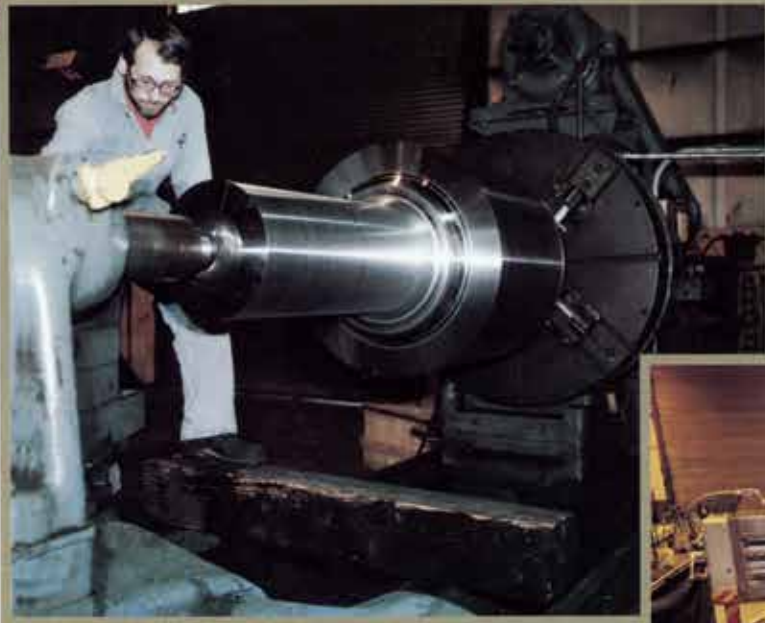
# MACHINE SHOP SERVICE



◀ Machining eccentric shaft for large jaw crusher for a mining company in northern Nevada.



▶ Cutting a keyway on a large gearbox shaft.



▶ Machining of a press roll shaft in a 80 in. x 30 ft. lathe.



▶ Diesel engine test frame for a local train manufacturer.

▶ Portable machining head mounted on a rotating table, and machining a flange face of a 16 ft. dia. pipe.



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# WOOD PRODUCTS EQUIPMENT DESIGN AND MANUFACTURE

Specialized Equipment — Fuel Handling Systems  
Saws — Log Conveyors  
Bucket Elevators — Installation Services



◀ Wood handling equipment for a lumber mill in Central Idaho.



◀ Filter conveyor for a lumber company in Montana.



▲ Log yard flotation tank in a waste recovery system at an Eastern Oregon sawmill.



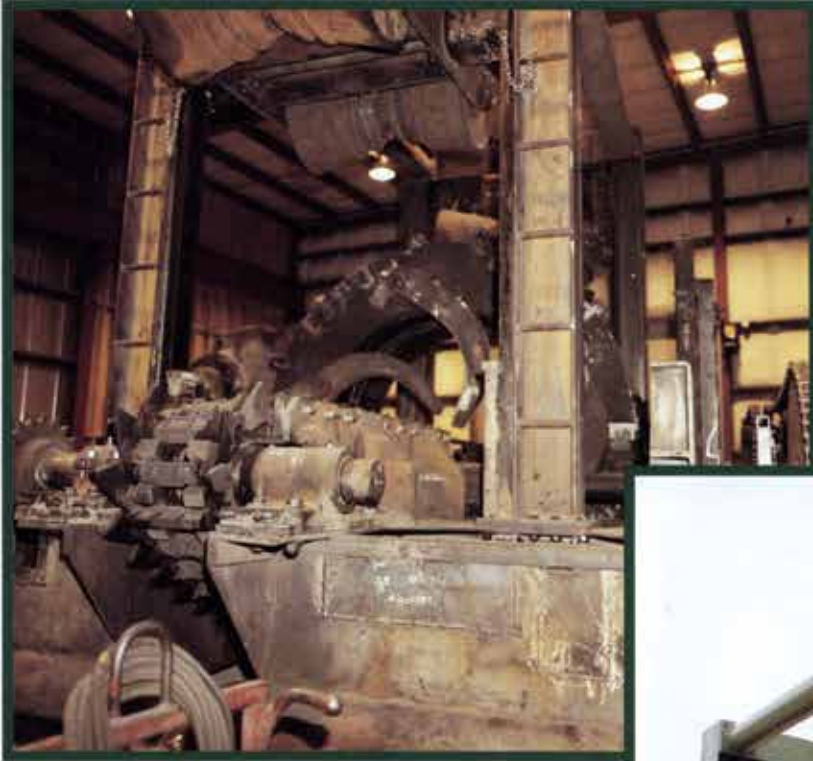
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# WOOD PRODUCTS EQUIPMENT

## DESIGN AND MANUFACTURE

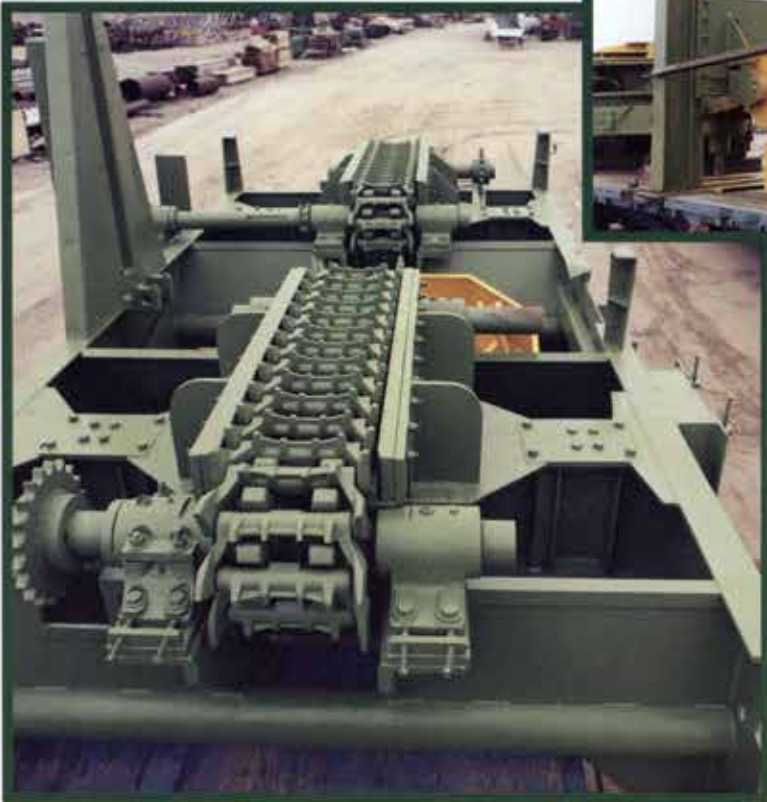
Debarker rebuild for a  
California sawmill.



◀ Before



◀ After



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# CUSTOM FABRICATION



Conveyor head chutes and structural steel being transported to a port for overseas shipment to Freeport, Indonesia.



Stainless steel cone valves for a mining company in Nevada.



Stainless steel pipe work for a mine in Nevada.



Spiral case for a hydroelectric project in Utah.



Eight yard bucket for a Caterpillar 988 loader.

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# CUSTOM FABRICATION



Fabrication and loadout of a 60,000 lb. train engine frame.



Heavy plate rolling and tank manufacturing.



Fan housing for an air handling system at a local processing plant.

Custom manufactured and assembled baghouse.



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# CUSTOM FABRICATION



▶ Bolted structural steel platform for a mining operation in Indonesia.



▶ Some various styles of ducting fabricated for minesites in Nevada.



▶ Large drag conveyors for a pulp plant in Canada.



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# CUSTOM FABRICATION



▲ One of two off-gas hoods fabricated and assembled for an environmental services company in Washington.

▼ Light metal fabrication of a control panel used in a wood products plant in California.



▲ Bottom conical portion of a large abrasion resistant cyclone for a plant in Eastern Oregon.

▼ Beet slicer fabricated, machined and assembled for a sugar beet processor.



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# MINING INDUSTRY DESIGN AND MANUFACTURE

Processing Equipment — Crushing and Screening Systems  
Tanks — Bins and Hoppers  
Custom Built Equipment — Conveyors

Electricly driven belt feeder for a mine in Northern Nevada. ▶

▶ Hydraulic powered belt feeder for a Northern Nevada mining operation.



Fabricated stainless steel converter vessel for a sulfuric acid plant at a gold mine near Carlin, Nevada. ▶



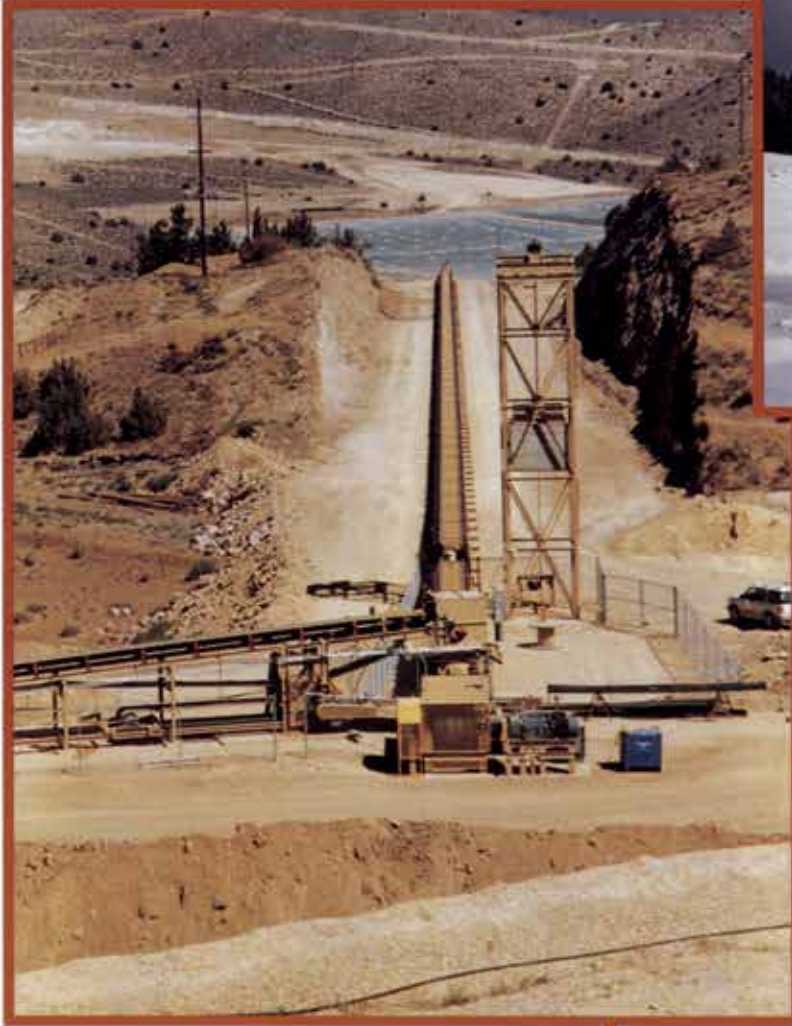
▶ 24 in. dia. x 6 ft. long portable trommel washer with grizzly and a 12 in. x 14 in. jig box, a product line of Yanke Machine Shop, Inc.

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# MINING INDUSTRY

## DESIGN AND MANUFACTURE



▲ Shop fabricated and field erected 4,900 ft. overland conveyor system for a Northern Nevada mine.



▲ Material handling conveyors, shop fabricated and field erected for a Central Idaho mining operation.



▲ Grasshopper conveyor feeding an indexing conveyor for a mine in Central Idaho.

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# INDUSTRIAL REPAIR AND EQUIPMENT MODIFICATION

Augers repaired or manufactured  
for feed boxes and all types of  
screw conveyor systems. ▶



▶ Axle restubbing and straightening.

Electric motor shaft replacement for  
southwest Idaho construction firm. ▶



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# INDUSTRIAL REPAIR AND EQUIPMENT MODIFICATION



Repair and add reinforcing plates to a set of log forks. ▲



Installation of a coupling on a shaft in the Repair Shop. ▲



**HYDRAULIC CYLINDER REPAIR**

**GEAR-BOX REPAIR**

**REBABBITTING BEARINGS**

**GEAR AND SPROCKET CUTTING**

**BACKHOE BUCKET REBUILDING**

**CRUSHER REPAIR**

**STRAIGHTENING OF BENT EQUIPMENT**

**HEAVY PRESS WORK**

**FAN AND BLOWER REPAIR AND REBLADING**

**CONVEYOR REPAIR**



Bucket pivots being rebored and rebushed. ▲

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# FIELD ERECTION PROJECTS

Field erected slurry tanks for a mine in Northern Nevada. ➤



Field erection of structural steel and installation and assembly of piping and associated equipment for a perlite processing plant in Northern Nevada. ➤



Field installation of a conveyor for a material handling system at an Idaho mine. ➤



Field erection of a one million gal. capacity tank and roof in Northern Idaho. ➤

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# FIELD ERECTION PROJECTS



Dismantle in New Mexico, transport and install customer's stainless steel evaporator plant for a Southern Idaho sugar processing plant.



Field installation of insulation and cover on existing ductwork at an Eastern Oregon cement plant.

Field installation of a new screen and chutework on an existing cement plant in Eastern Oregon.



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# TANKS

One million gal. capacity water storage tank, field erected in Northern Idaho. ▶



◀ Assorted tanks fabricated to customer's specifications.

◀ 100,000 gal. capacity tank in Northern Idaho.



▲ 12,000 barrel capacity aviation fuel storage tanks.

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# TANKS

Pressurized carbon column for a Northern Nevada mining company. ▶



Rubber lined solution tank for a mining operation. ▲



Pump boxes for a Northern Nevada mining operation. ▲



▶ Reactivated carbon storage hopper for a Nevada mine.

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# ENERGY RELATED PROJECTS



Trash racks for a power house located on the Snake River.

9 ft. dia. and 17 ft. dia. penstock fabrication, delivery and installation at Milner Dam in Southern Idaho.



Large 7' 0" dia. water manifold split and reduced to 3' 6" dia. and 6' 6" dia. outlets. Manifold was built for a hydroelectric project in Southern Idaho.



Pit liner for the Hazelton B and Wilson Lake Hydroelectric projects in Southern Idaho.

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# ENERGY RELATED PROJECTS



◀ Fuel handling system for a 5 megawatt co-generation plant at Tamarack, Idaho.



▶ Power line dead-end structure for a power producing plant in Plummer, Idaho.



▶ Used 5 megawatt generator and steam turbine rebuilt and installed as part of a wood fired, co-generation power plant at Tamarack, Idaho.



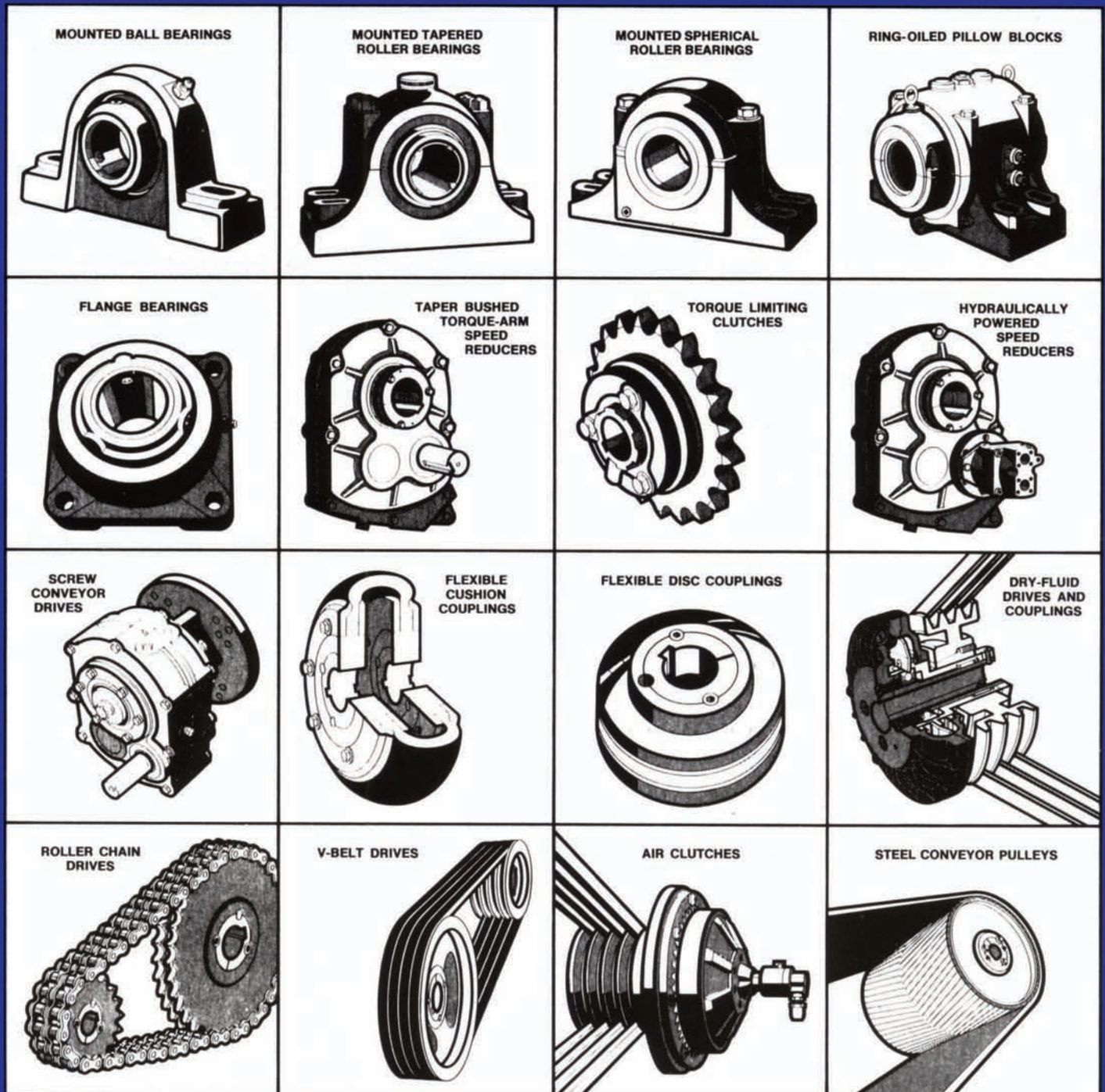
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# INDUSTRIAL PRODUCTS SALES AND SERVICE

Yanke represents and services quality names and products, including these listed below and those you need help finding:

- Dodge/Reliance
- Goodman Conveyor Components
- Webster/Portland Chain
- Conveyor Belting & All Conveyor Components
- Precision Trough Rolls
- LiftTech Overhead Hoists
- Holz Slide Lagging



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## **ENGINEERING • DESIGN • MANUFACTURING**

- Construction • Logging, Sawmill, Farming, and Mining Equipment • Industrial Sales • Drum Dryer Conversions • Related Asphalt-Handling Equipment
- Used Equipment Sales • Competitive Quoting on Your Drawings and Specifications

**FABRICATING • MANUFACTURING • MACHINING • REPAIR**  
4414 South Gekeler Lane • P.O. Box 5405 • Boise, Idaho 83705  
Phone (208) 342-8901 • FAX (208) 338-2215  
[yms@yankemachine.com](mailto:yms@yankemachine.com) • [www.yankemachine.com](http://www.yankemachine.com)