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IRD Balancing

The “B” Series -- Horizontal Axis, General Purpose Soft Bearing, Balancing Machines; available in 500 lb through 25,000 lb capacity

The B Series is a dynamic, horizontal axis, precision, soft bearing balancing stand that can be used with any IRD Balancing instrument. It is perfect for balancing small rotors such as motor armatures, fans, turbines, etc. The IRD “B” Series is constructed from heavy gauge steel weldments and can be mounted to existing shop floors without the need for a special foundation.

Balancing Instruments

IRD offers a complete line of balancing computers that fully complement their line of soft & hard bearing balancing stands. Certain models, along with optional accessory packages, offer the flexibility of field balancing as well as accuracy and the ease of operation.

- Rugged Design
- Windows CE Operating System
- Color Screen Suitable for Indoor & Outdoor
- On Screen Assistance
- Modular Design
- Ability to Print from Instrument or from Field
- Printer Output is PCL Compliant
- Easy Data Transfer & Seamless Storage Using MS Excel IRD Model 258

IRD Model 258

Portable Dynamic Balancer/Vibration Analyzer The model 258 is a portable, battery powered, 2 channel, palm sized dynamic balancer and vibration analyzer. This lightweight unit is intended to be used for analysis and balancing of rotation equipment that anyone can use with only very basic training.

IRD COVERPLAN
Lexseco Core Loss Testers

The Original Core Loss Tester & Still the Best!! Lexseco introduced this system in the early 1980’s and continuous R&D insures it remains the best core loss test system in the industry!

Flux Metering System

The metering system is at least twice as accurate as competitive equipment. Virtually no down time! Convenient exchange program allows you to have your Core Loss Tester calibrated in conformity to NIST standards economically and efficiently. A tremendous plus when conforming to ISO9000, EASA-Q and other quality programs.

Multi-parameter Software

This software is exceptionally versatile and user friendly. It allows differentiation between NEMA, pre-NEMA, U, T and IEC frame motors. Users can also define custom parameters to suit any requirement. Comprehensive test report can be printed on pre-printed or software generated letterhead.

Lexseco International Users Group

A worldwide network of Lexseco users provide a vast resource of data that provides information for continual software upgrades for Lexseco Users. As motor technology changes, Lexseco users are always able to stay ahead of the game.

Upgrade Package

Even Lexseco original core loss testers can be economically upgraded to the latest metering and software package. Ask for details.

IRD Cover Plan now available for balancing machines & core loss testers! Ask your Essex Brownell Sales Representative for details or call your Essex Brownell sales office.

Econoline dry blast cabinets are constructed of 14 and 11 gauge steel with all seams butt-welded to prevent leaks. Available in bench, cabinet, and flip top models. Include heavy weight cloth lined neoprene gloves, complete with dust collector system, easy to change window with with inexpensive window protection. Expanded steel reinforced work surface, full width opening on all flip tops and counter balance units; hopper trap door for easy media changes and cleaning.

The applications of Trinco Dry Blast Cabinets are virtually limitless – cleaning, deburring, decorating, deflashing, etching, finishing, honing, peening, etc. All of these uses & more can be accomplished easily with quick sweeps of the gun nozzle. Scale, corrosion, old paint, & other surface materials are removed in minutes.

The usual operating pressure for the Dry Blast Cabinet is 85 PSI. A 5 HP Air Compressor is sufficient for most work. The equipment utilizes a variety of abrasives such as the Trin-Mixes, glass beads, aluminum oxide, silicon carbide, nut shells, etc.

These units feature 14 Gauge welded steel construction, carbon screen work floor, heavyweight rubber gloves, tungsten carbide nozzle, safety enclosed floor valve blasting control, easy exchange window frame, BP Dust collector, incandescent lighting, and 115V – 1 Phase, 60 Cycle.

Deluxe Blast Cleaning Systems available on model 36 & larger – include all of the “Master Model” features, plus an abrasive separator, enclosed dust collector (16 tubular filter bags), air vibrator, water filter, and blow off gun.
ACE Equipment Company is your source for Coil Winding Equipment & Accessories. From Wire Racks to Tension Control Devices and De-Reelers, ACE has it all.

Wind 40% faster than conventional methods
Savings in Time, Labor & Material

- Fast Head Setting
  The size phase head is selected and placed on the holder, and only one adjustment is necessary.
- Save Time On Winding Coils
  This method of winding and tying all coils in a phase without interruption saves time and confusion.
- No Lost Time Handling Coils
  The coils are moved one time only, as the complete phase is wound and placed on the coil rack in one operation. Coils are then at the winder’s fingertips at all times.
- Save Time On Installing Coils
  Coils are produced with a round nose for easy coil installation, and saving considerable time. Round nose coils reduce coil extension, saving as much as 10% copper.

The L-750 Lancer motor stripping machine drastically reduces stripping time compared to old hammer & chisel methods. With the L-750, stripping stators becomes a matter of minutes rather than hours.

Repair Shop Developed – Developed under actual repair shop conditions.

Motors Stripped in Minutes – by cutting off one end of the winding & then placing the stator in a burnout oven or chemical tank to remove the varnish so the coils can be pulled easily.

Turner Industries

HCS 660 Vertical Cut-Off Saw

Stripping motors becomes a matter of minutes rather than hours when using a Horizontal Cutoff Machine. The new CNC Control is programmable for different size motors Feeds, Speeds and Cutting Conditions can now be optimized for efficient coil cutting. The powerful servo motors accurately move the cutting wheel to give a uniform circular path. The Control is ultra easy to use and comes with a flip down keyboard and trackball mouse. The 3-Axis Software simplifies set-up and programming.

The CONTINUITY PHASE METHOD simplifies the complicated. No prior knowledge is required to wind electric motors when using this method.
Why our industrial ovens are better

State of the art Technology - Steelman has been constantly improving their product for over 30 years.

Quality components - Only industrial quality components proven to last go into a Steelman oven.

Flexible - Steelman ovens can be custom manufactured to fit any application.

Affordable - Steelman ovens can process your parts with less manpower, errors and less consumable product than most other processes or burn-off ovens.

Safe - Steelman ovens are engineered with many built-in safety features. We care about your employees and your property.

Customer Service - Customer service always comes first at Steelman. From initial contact through your first burn, our engineers and technicians are available to assist you.

Environmentally Safe - No chemicals to dispose of and the high fire after burner consumes the smoke, toxic fumes and volatile residue.

ACE Curing Ovens are known to be one of the most efficient production ovens in the world. Ideal for preheating or drying parts and curing various coatings.

Preheating prepares metal or other substrates for coating processes.

Drying eliminates water or moisture accumulated during pre-treatment or washing. Curing elevates the part temperatures to achieve the desired coating performance.

The ACE Burn OFF Oven System is the oven of choice by companies worldwide and designed to efficiently remove:

- Varnish
- Epoxy
- Paint
- Grease
- Oil
- Rubber or other combustible materials from metals

Heat clean motor stators $ paint hooks $ automotive engine parts $ rubber-to-metal bonded parts and virtually any metal part.

The ACE system will also debond brake shoes and clutch plates. Parts are loaded on a wheel-in cart and heated to 650° - 800° F (340° - 427° C), in an oxygen deficient atmosphere where the combustible hydrocarbons decompose. Parts leave the oven completely dry and ash residue is easily removed.
CB & DB Series Motor Test Centers

These Jenkins Electric Company’s “High Performance” CB & DB Series Test Supplies provide infinitely variable voltage adjustments on both the DC Field and the AC Armature Supply. They were specifically designed for Motor & Transformer testing.

AC starting on the incremental outputs is provided by a “soft starter” and +/- 10% input taps are included on the testing transformer to compensate for supply input variations. LED instrumentation allows for monitoring of the outputs in use.

Model 166KVA-SS480 166 KVA AC DC Motor Test Supply with the full test documentation system. This is a compact power supply for testing requirements of small to medium size motor shops. AC voltages are provided with soft starting on each incremental output. Integrated inrush current protection is provided by the soft starter. A variable DC Field supply is provided with Field Loss protection and overcurrent protection. Field operation is allowed with either the AC Supply or DC Armature outputs. A DC Armature supply with four variable ranges and overcurrent protection is included. DC Field and DC Armature operations are safety interlocked. All panel outputs are push button activated with red LED metering for continuous display of output voltages and currents. Our Test Documentation System is included for generation of test reports. A red strobe lamp illuminates on any panel output. Plus and minus 10% taps are provided on the testing autotransformer for adjustment of input voltage to the supply.

Capacity and Dimensions:
1. Utility requirements: Electrical – 480 VAC, 3-Phase at 200 AAC minimum is required. (A separate input disconnect switch/breaker is required on input to this equipment.)
2. A 120 VAC control circuit with push-to-

Whether you are working with extruded or magnet/enamel wire or cable, Eraser offers a wide range of Wire & Cable Strippers to meet your every need!
**BANDING EQUIPMENT**

B W Calverley

**KTD-200 Mountable**

Banding Tension Device  
Durable All-Steel Construction  
Mounts Easily on Existing Lathe  
Leather Brake & Hydraulic Cylinder Provide Smooth Even Tension Control on Tape up to 1-1/2” Wide  
Standard 0-600# Tension Gauge  
Other Gauges Available on Request

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**KTD-200/PG* Pneumatic Banding Tension Device**  
*KTD-200 with KTD-200/PK Pneumatic Conversion Kit Installed  
Easy One Hand Operation  
Air Cylinder Applies Pressure to Brake Drum For Constant Banding Tension On Every Wrap Every Time  
Up to 1000# of Tension with 120 p.s.i.  
Air Filter/Regulator w/Gauge

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**INSULATION CUTTERS**

**Lenni**

The Lenni Cutter with cuffed coils gives you five operations in one - stripping, two cuffs, creasing and cutting. In less than 1 minute you can produce 48 perfect cuffed slotted liners from 1/2” to 12-1/2” between cuffs.

The rugged steel construction of the Lenni cutter is designed to give a lifetime of service. Working parts are precision machined to assure accuracy, the cutting knives are machined from high quality tool steel. Adjustments are located for easy use. An eccentric bearing in the pressure links controls creasing depth. Once adjustments are set, as many insulators as desired can be fabricated without variations of any kind.

**Tennsmith**

Tennsmith squaring shears offer precision shearing and rugged construction at an affordable price. The shear frame, bed and cutter head assemblies are constructed of heavy-duty cast iron. The shear bed is machined and then surface ground to precision tolerances to ensure an accurate working surface. These shears feature triaction, ground-alloy tool steel blades. Both the upper and lower blades have a 2° edge relief and the lower blade has an additional 1° face relief for maximum material penetration with minimum effort. Triaction blades help prevent material movement while shearing, prolonging blade life.

TENNSMITH shears have the most complete adjustment features of any sheet metal shear on the market. The lower shear blade is bed-adjusting and the upper blade is adjustable by means of a truss bar on the cutter head. The spring-activated holddown feet clamp the work piece securely in place and are easily adjustable to compensate holding pressure for light or heavy gauge material. There is ample clearance between the holddown feet and shear blades to allow good operator vision for line-of-sight cutting. The standard, double-locking back gauge, which features embossed scales and vernier wheels for fine adjustment, gives highly accurate readings.
Martindale Lathe-Type Undercutter

The Lathe-Type Undercutter can be quickly attached in place of the tool post on any lathe. It can be mounted directly on the cross slide, or on the slide carriage which is then mounted on the cross slide.

The Slide Carriage is lever operated and is much faster than using the lathe carriage. Travel is 11” on the Model 110, 15-1/2” on the Model 110L15 and 21” on the Model 110L21, with adjustable stops at both ends. A skewed bar adjustment is provided at the right end.

Both horizontal and vertical commutators can be undercut. As undercutting is done from the side of the commutator the saw or V-cutter is set level with the lathe centers.

Undercutter is powered by a 1/3 h.p. motor and uses high-speed steel or tungsten-carbide Saws or V-cutters.

A spring between hardened washers under the pulley allows the spindle to move (“float”) up or down and follow an existing slot that is being recut. If a fixed spindle is desired, the spring can be removed and the pulley turned over.

Undercutter from B.W. Calverley & Co.

JCU-201, Slotter/Undercutter
- Easily adjustable up to 26” diameter x 38” long
- 860/1725/3450 RPM

JCU-508, Slotter/Undercutter
- Easily adjustable up to 8” diameter x 20” long
- 860/1725/3450 RPM

JCU-10TXL, Slotter/Undercutter
- Easily adjustable up to 7” diameter x 13” long
- 860/1725/3450 RPM

Undercutter from CAM Innovation

CAM Innovation CU Automatic Lathe Undercutter

Saves Time While Boosting Your Shop’s Productivity and Flexibility.

Compare the 10-15 minutes needed to set up the CU Automatic Undercutter to the total labor you presently spend manually undercutting an armature. With our CU there is no operational labor only set-up labor. Not only is it faster, your operator can multi-task as the machine automatically performs the job. Anyone can undercut regardless of their skill level because the machine does all the work, producing the same high quality results on every armature every time!

Save even more time with the Optional Brush Deburring Attachment

Add in the time you spend cleaning and chamfering each copper bar manually and compare it to the five minutes it takes to use our patented Brush Deburring System.

CLUX Automatic Mica Undercutter (pictured above) accommodates commutators up to 110” (2.8 m) in diameter with any riser height. Its special spindle design makes this possible.

High Rise Spindle is an option for shops that undercut commutators with riser heights up to 10” (254 mm).
Undercutters from CAM Innovation

CAM Innovation JH - Universal Commutator Repair Machine
- Increases Productivity
- Reduces Armature Handling
- Reduces Overhead Crane Lifts
- Frees-up Shop Lathe for other work
- Quick Process Change and Fast Set-up
- Accurate Direct Drive Indexing (No Belts)
- Precision Laser Mica Slot Detection
- Touch Screen Programmable PLC
- Program Storage for up to 20 Armature Types
- Sturdy, Solid, Robust Construction
- Easy to Learn, Simple to Operate

Multi-function Machine... Saves Time – Improves Quality & Reduces Armature Handling!

Now there is a stand alone, multi-function, Universal Commutator Processing machine for turning and facing commutators, automatically undercutting mica slots and deburring and polishing armatures in three easy steps.

CAM’s new commutator Turn & Undercut machine greatly reduces armature handling and speeds process time by eliminating the need to move armatures back and forth between single function machines. Designed specifically for shops that handle small to medium sized armatures, the JH is ideal for servicing small DC motors and those used in transit and light rail systems.

Parts Washers

Cabinet Style Solvent-Free Automatic Industrial Parts Cleaning Systems

JRI Industries takes pride in providing the highest quality solvent-free automatic parts cleaning equipment in the industry. Their "Gear Drive Turntable System," with breaker protection, provides continuous basket rotation for thorough cleaning of parts; whereas most competitors are still relying on “friction” drive, which has an inherent problem with “slippage”. Even better yet, JRI Industries provides a “pull out” turntable system for ease of loading. These cabinet style Parts Washers are available in a variety of cabinet constructions (mild steel, stainless cabinet only, or all wetted surfaces stainless), sizes and configurations to meet your individual needs.

Standard Features:
- Brushed Stainless Steel Pressure Nozzles
- Gear Drive Turntable
- Mechanical Door Seal; no rubber seals to replace
- Roll Out Turntable
- Vertical Sealless Pump; no seals to leak or replace
- Debris Screen
- Sloped Floor for Easy Clean-Out

Optional Features:
- Gas bottom heat
- Swing away spray bar
- Auto water fill
- Auto water fill / low water shut off combo
- Programmable 1 or 2 channel timers
- 1 channel digital thermostat
- Filtration systems
- Rinse cycles
- Dryer options
- Basket / parts tree
Test Instruments

Resistance, HiPot & Surge in one Tester!

With Baker Instruments Digital Winding Testers, you can perform Resistance, Bar-to-bar, PI, HiPot & Surge Tests, as well as digitize & store data for future use. All Baker Digital testers offer high precision testing capabilities allowing data collection in the shop or in the field.

Advanced Winding Analyzer – Series IV

A powerful tester combining electric insulation testing capabilities & computer control into a 12kV portable unit. All testing parameters can be preprogrammed to minimize operator error. Pass/fail limits eliminate guess work.

Explorer Series

The Explorer series tester combines electric insulation testing capabilities and computer control into a 12kV field portable instrument. All testing parameters can be pre-programmed to minimize errors.

Digital/Analog Megohmmeter

Innovative, they incorporate the latest measurement technology and are specifically designed to the most recent international insulation & continuity testing standards. Their rugged construction is unique in megohmmeters. Digital & analog features are enhanced by a third digital display, which indicates an alarm set point or elapsed test time.

- Test Result Combo of 250V, 500V & 1000V • True Megohmmeter®
- Insulation Measurement to 2000MW • Auto Discharge for Operator Safety
- Backlit Digital Display with Analog Bargraph • Resistance Measurement to 400kW
- Continuity with 200mA Test Current • Includes Carrying Case & Leads

Hand-Cranked Megohmmeters

Easy hand-cranked, compact, self-contained, True Megohmmeter® are both practical & dependable instruments for field use. These units provide a steady, rectified DC voltage output across the entire range for consistently reliable readings.

5000V Digital/Analog Megohmmeter

These 5000V Megohmmeters are the most innovative product in their class on the market today. The most advanced technology available has been applied to automate & facilitate the testing process of these applications. True Megohmmeter® Test Voltage Combo 500V, 1000V & 5000V.

- Insulation from 30kW to 10,000GW
- Selectable & Programmable Test Voltages
- Auto Calculation of DAR P & DD Ratios
- Display of Capacitance & Leakage Current
- Display Resistance, Test Voltage & Run Time
**Test Instruments**

**10 A Micro-Ohmmeter**

The 10A Micro-Ohmmeter is a rugged, low resistance tester designed for plant maintenance, quality control manufacturing, and field use. It utilizes a four-lead Kelvin method of testing, which is one of the more accurate methods; with results within 0.05% accuracy.

- Measures from 0.0001 mW to 2500.0W
- Test Current Selection of 1mA, 10mA, 100mA, 1A & 10A
- Selectable Metal Types
- Auto & Manual Temp Correction
- 2 Programmable Alarm Set Points
- Stores up to 1500 Test Results
- Selectable Inductive or Resistive Modes
- Rugged Double Insulated Case & Direct Printout

**Clamp-on Meters**

- Standard Size, full function clamp-on meters
- 1000AAC or 1000AAC/DC current measurements
- 750VAC or 1000VDC volt measurements
- TRMS measurements (Models 512 abd 514)
- Resistance measurements to 4000Ω
- Continuity with beeper below 40Ω
- Frequency measurements from V and A
- Diode test
- 1ms Peak function for fast capture of signals
- Hold function to "freeze" readings
- Push-button for easy ADC zeroing
- Large, easy-to-read 4000-count display
- 42-segment analog bargraph
- Includes test leads and soft carrying pouch

**Digital Ground Resistance Tester Kit**

- Fall-of-Potential Method
- Ground Resistance & Soil Resistivity
- Step Voltage Test & Touch Potential
- Auto-Ranging
- Rejects High Level of Noise

**Test Instruments**

**DM 397 Multimeter**

The DM397 is an advanced full-featured digital multimeter designed for engineers, HVAC and electrical technicians, whose work demands greater accuracy and resolution. The RS232 printer port and software (included) allows any measured parameter to be monitored or recorded to a PC for further analysis or printing. The 50,000 count dual display shows two parameters simultaneously eliminating the need to toggle between selections. The DM397 stands alone as the best value in high-end multimeters.

**The Scout Infrared Thermometer Series™**

Designed to offer technicians a clear choice among a blurred array of options in today’s market. With three instruments to choose from, The Scout series has a solution best suited for any application, whether it’s quick spot checks at close range or sampling extreme temperature ranges in environments too hazardous or too remote to approach. All three are a reliable way to check, locate, and monitor temperature variances and are perfect for HVAC/R, electrical, industrial, facility, residential, marine, or automotive diagnostics and maintenance.
Flexible
Each unit is designed to heat a wide range of bearings

Portable
Each unit weighs 17 lbs. or less so it can easily be moved close to the equipment being maintained.

Non-Magnetizing
Each current is not applied to the bearing. Resistance elements heat the unit, which in turn heats the bearing, preventing magnetization.

Affordable
Cone Mounter units are priced economically for maintenance and repair operations.

Easy to Use
Simply follow the short instruction guide. No complex manuals or training are necessary.

Reliable
The simple design of Cone Mounter units promotes a long life. Units are warranted for one year.
Hand-Operated Hydraulic Presses

The Daik hand-operated hydraulic presses offer economical performance:
- Rapid Ram Return
- By-pass Hole Prevents Excessive Ram Extension
- Adjustable Table
- Rapid Screw Traverse of Ram with Convenient Hand Wheel
- Moveable Work Head

Single Lever

These Single Leverage Arbor Presses feature a shimmed ram cap, adjustable handle, & smooth action gears. They come with base opening, slotted table plates & pedestals depending on the model.

Portable Hydraulic Pullers 8 to 100 Tons of Force

- Fully Portable
- Fully Adjustable
- One Person Operation

Removing an object from a shaft using hand tools is difficult at best and often impossible. It generally turns out to be a task for more than one person. The IPP line of Hydraulic Pulley Pullers makes the entire process an easy job for just one person. They can be used to remove gears, pinions, pulleys, couplings, bearing housings & other objects. A manually operated hydraulic pump is standard on the 8, 20 and 60 ton models. An electrically operated hydraulic pump, which is standard on the 100 Ton, comes optional on the 20 & 60 Ton models.
Vacuum Pressure (VPI), & Vacuum Only (VOI)

HeatTek Inc offers a complete line of VPI systems ranging in size from 2’ to 12’ in diameter.

- Process Chambers w/Hydraulically Operated Door & Locking Ring
- Bolt Down Davit Swing Chamber Doors on 2’ to 6’ Diameter Units
- Storage Tanks Come with Insulated Cooling Jacket
- High Quality Vacuum Pumping System
- Integral Chiller/Circulation Pump System Operates on Resin Demand
- Low Speed Agitators Operate via Timers & Come Complete with Vapor or Vacuum Seal
- NEMA Rated Electrical Controls

HeatTek offers a complete line of options, allowing you to organize the VPI system to meet both your budget, as well as your requirements.

Vacuum Pressure Impregnation Systems and Vacuum-Only Impregnation Systems

Imprex builds Vacuum Pressure Impregnation (VPI) and Vacuum-Only Impregnation (VOI) Systems for epoxy or polyester. We customize all systems to meet your needs and budget.

Whatever your VPI requirements - from a 2-foot-diameter epoxy or polyester VPI to a 12-foot-diameter system - we offer those and everything in between, in 1-foot-diameter increments.

Systems include these basic components:

- Vacuum/Pressure or Vacuum Only Chamber Assembly
- Vacuum Pump Assembly
- Reservoir
- Reservoir Cooling Assembly
- Agitator
- Resin Transfer Piping
- Operating Console
- Complete Documentation
- Installation/Start-up Assistance

Systems can also be outfitted with the following options, if applicable:

- Chamber False Bottom
- Chamber Load Plate
- Chamber Liner
- Chamber Rotor Shaft Extension
- “Y” Strainer / Filter for Transfer Line
- Micron Vacuum Pump
- Process Chart Recorder
- Capacitance Meter
- Full Automation
- Computer Display and Process Data Storage

Imprex has been building VPI systems for over 40 years, and has an excellent reputation for quality and service.
**Spray Booths**

Col-Met Spray Booth products comply with all OSHA and NFPA regulations.

Col-Met Open Front Industrial Booths can be configured for practically any production requirement, including compatibility with either batch-type or automated production systems. Air is drawn through the open front, across the work area and into a rear filter bank. Overspray particles are then trapped by dry arrester filters before the air is exhausted. Col-Met Open Front Industrial Booths are engineered for both versatility and high efficiency.

- Heavy Duty Construction
- Batch and Automated Production Designs
- Easy to Install
- ETL Certification Available

**Dynamometers**

Electric Motor Dynamometers

Electric Motor Dynamometers base serves as a ballast weight for high-torque applications. Dyne unit necessitates prescribed amount of supply water (GPM) per 100 HP.

Safety fuse (releases at 185 degrees F) allows for power absorption unit protection through automatic disengagement of hydraulic pressure within hydraulic control system of the electric dynos.

All electric motor dynos units are equipped with shear pin release and safety shields.

Electric motor dynos are fully operable upon receipt. An AW representative completes your dynamometer purchase through on-site training of key personnel on the functionality and maintenance of the dynamometer unit.

**Laser Alignment**

 Shaft Hog Precision LASER Shaft Alignment System

- Reduces Machinery Vibration
- Assists in Longer Seal Life
- Insures Longer Bearing Life
- Fast & Easy Alignments

This ergonomically designed control unit fits comfortably in one hand, while the “live” display gives you instant feedback while shimming or moving the machines. It eliminates the guesswork and the “back and forth” you are suffering through now. The Shaft Hog comes with carrying case and an easy to use “comprehensive” operation manual.

LASER ALIGNMENT ACCURACY AT A PRICE YOU CAN AFFORD!
**Steelman Rotary Phase Converters**
What sets Steelman rotary phase converters apart?

Standard features include:
- Steel base
- Outdoor rated enclosure
- Baldor ODP & TEFC motors
- High voltage rated capacitors
- No starting circuit

Optional features include:
- Automatic start/stop control with load delay
- Split (stagger) start control on larger units
- Step-up/step-down transformer package
- Buck-boost transformer package

**Rotary Phase Converters**
Maxiphase CONVERTERS are designed to operate one or a combination of 3 phase motors from single phase power.

- Quick Start Up with Low Inrush Amperage
- Std Duty Lo-Volt Models for 230V Applications
- Std Duty Hi-Volt Models for 460V Applications

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**BLUE PETER Series®**
Model KMD-8R eight channel digital scanning RTD meter/relay provides comprehensive thermal protection for electric motors & generators. Microprocessor based, it accepts up to 8 RTD inputs – either 3 wire or 2 wire.

It is unique in it’s ability to accommodate all of the RTD types commonly used in thermal protection applications.

Motors often use 6 stator winding RTDs, two per phase, and one bearing RTD placed at each bearing housing. The KMD-8R can accommodate mixed RTD types such as 6 100W Platinum RTDs from the winding area and 2 10W Copper RTD’s from the bearings.