



Hudson Pump & Equipment

A Division of Tencarva Machinery Company

**REPAIR CENTERS
FIELD SERVICE
FABRICATION SERVICES**



TENCARVA ★ MACHINERY



**PART OF THE
TENCARVA MACHINERY
SERVICE ORGANIZATION**



Field Service & Troubleshooting



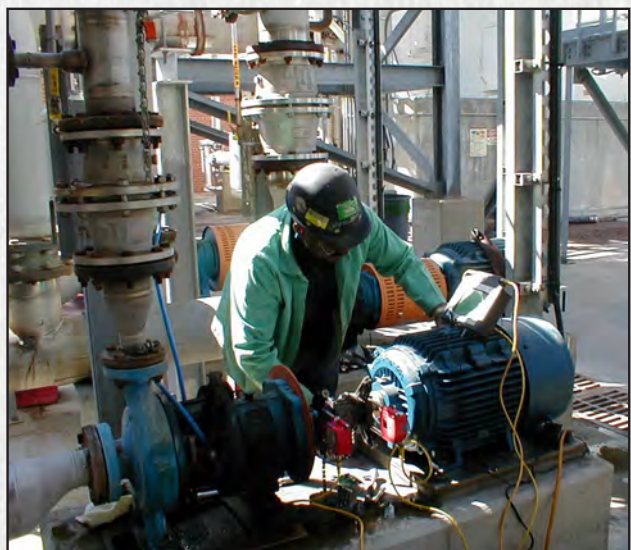
Tencarva Quality Program Certified Technicians

Technicians will visit your site and verify installation, check base levels, check equipment fluids, detect pipe stresses, perform rotation check, and much more.



Field service fleet

Laser Alignment



Why Laser Alignment is Important . . .

When shafts or sheaves are misaligned, seals, couplings, and belts on rotating equipment can become damaged. Replacing the damaged parts solves the symptoms; however the culprit is very often misalignment. Laser alignment is the best solution for correcting misalignment issues. Tencarva uses the latest in laser alignment techniques and technologies.

Laser Alignment is offered by all Tencarva repair facilities as well as by Tencarva field service crews.

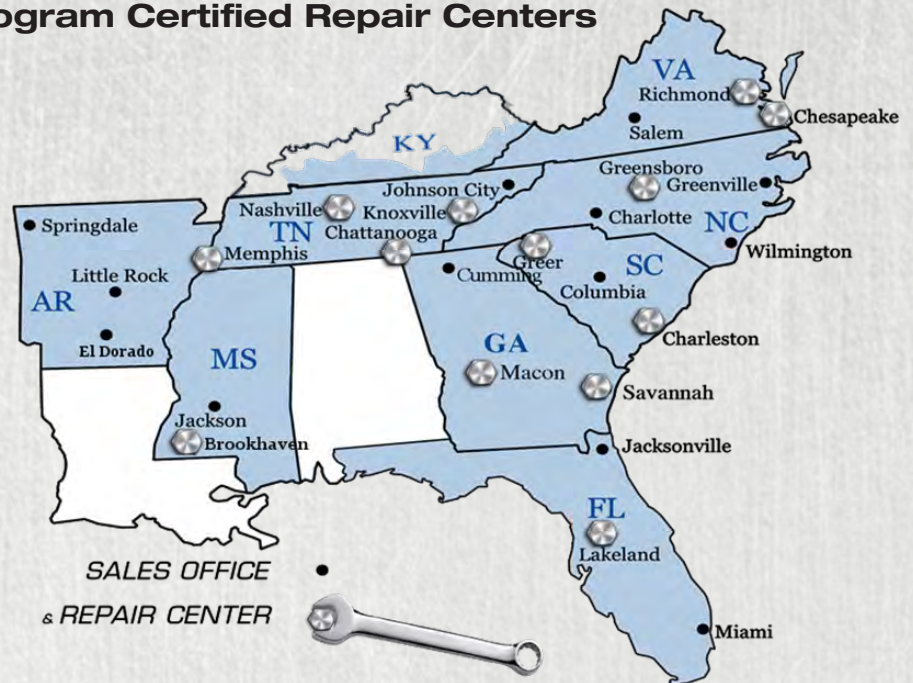
All Tencarva technicians are factory trained in laser alignment and are capable of keeping your equipment free from misalignment-related issues.

**Laser alignment certification decals are used on the equipment to indicate date and authorized service technician.* ✓

In-House Repair Service Centers

Tencarva Quality Program Certified Repair Centers

- ✓ Trucks
- ✓ Lifts
- ✓ Lathes
- ✓ Balancer Machines
- ✓ Boring Mills
- ✓ Milling Machines
- ✓ Blast Cabinets
- ✓ Cranes & Hoists
- ✓ Paint Booths
- ✓ Video Scopes
- ✓ Hydraulic Presses
- ✓ Parts Washers
- ✓ Welders
- ✓ Laser Alignment
- ✓ Surface Pro Tablets***



SPX Lightnin
Authorized
Service Center



ITT Goulds Pumps
Authorized
Service Centers



Repair Centers

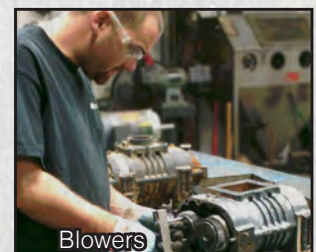
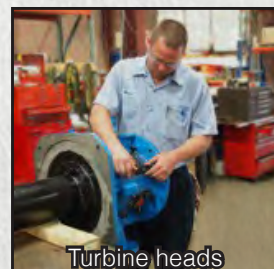
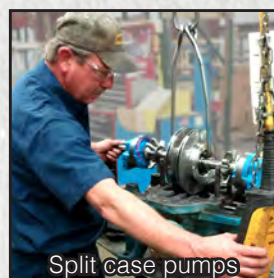
Tencarva has 13 repair service centers throughout the Southeast United States, which all follow the Tencarva Quality Process**. You can trust that your repair will be handled with the same care and professionalism at any of the Tencarva Repair Service Centers.



Pumps & Rotating Equipment Repair Capabilities

Tencarva offers expert repair capabilities for many types of equipment.

- Air operated double diaphragm pumps
- Centrifugal pumps
- Vertical turbine pumps
- Split case | double suction
- Mag drive pumps
- Metering pumps
- Vacuum pumps
- Blowers
- Liquid ring vacuum pumps
- Mixers
- Rotary vane pumps
- Reciprocating pumps
- Gear boxes
- Multistage split case pumps
- Fans
- All rotating equipment



*ITT / Goulds requires third party audits of their Authorized Repair Partners. ** See back cover to learn more about the Tencarva Quality Program.

*** Service technicians document repair data, repair photos, and testing videos on Surface Pro tablets. All data is safely stored on our internal network for up to 10 years.

Balancing Capabilities



Impeller Balancing

Many of our repair facilities are equipped with the latest balancing technology. Capabilities of our equipment include up to 5000 lbs., 72 inch diameter and 12 feet in length. All balancing machines are calibrated and certified.

Why Balancing is important . . .

Unbalanced equipment vibrates, which left uncorrected, leads to material fatigue and often catastrophic equipment failure. Tighter balancing tolerances reduce vibration levels, thus reducing premature bearing and ring wear.

Proper balancing will substantially reduce the need for repairs and increase the useful life of your machinery.

Why Tencarva should be doing your balancing . . .

Tencarva has the equipment and ability to bring any impeller, multiple stage assembly, blower rotor or fan back into balance. Balance certification is available as documentation that your equipment is balanced to your specifications. *In most cases well above the original equipment manufacturer's specifications.*

Every impeller balanced by a Tencarva Repair Center, at a minimum, conforms to a G 1.0 specification and (upon request) comes with a **balance report certificate** ensuring that the impeller is within the exact specifications. If even higher calibration balancing is required our equipment is capable of balance as close as a 4W/N. (4 times the weight over the service speed.)

Specialized Coatings

Belzona , Enecon, Powdercoating, and More...

The Benefits of Specialized Coatings . . .

When applied correctly, a specialized coating, such as Belzona or Enecon, can often extend the life of your rotating equipment to twice its standard life span.

Cases where special coatings may provide benefit;

- Chlorinated water
- Abrasive service
- Corrosive chemicals
- De-ionized water
- Catalytic corrosion
- Valve coatings
- Tank coatings
- Cavitating impellers
- Wear inside casings
- Many more...



Mechanical Seal Repair

Mechanical Seal Repair . . .

Mechanical seals play a critical role in the operation of many pumps and other rotating equipment. When they fail it can become a hazardous, and costly ordeal.



Why Tencarva should be repairing your mechanical seals . . .

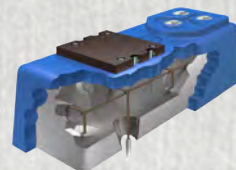
Tencarva in cooperation with John Crane seals has the talent and resources to rebuild mechanical seals and have your equipment operational for a fraction of the cost of a new replacement seal.



Baseplate Replacement

Baseplate Replacement . . .

Repairs to conventional concrete foundations are costly, labor-intensive and time-consuming. Moreover, acid-proofing foundations for corrosive pumps is difficult and prone to repeat failure.



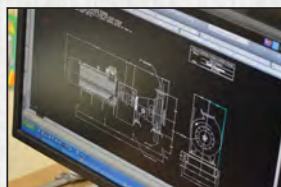
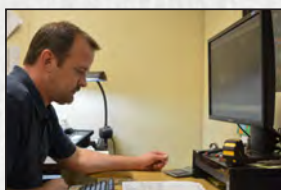
Why Tencarva should be replacing your damaged baseplates. . .

Polymer concrete bases are the preferred pump foundation solution. As a chemical-resistant foundation system that is easily put into place, then filled with standard concrete, can be completely installed and operable in less than two days.

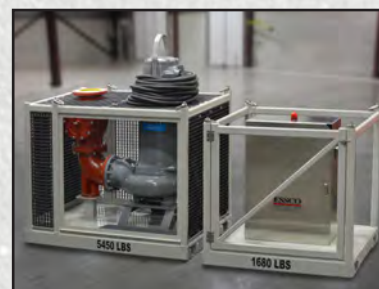


FABRICATION SERVICES

Whether you need a booster system, chemical dosing system, duplex multi-pump skid or any other equipment package, Tencarva Fabrication has the equipment, skills, and materials to deliver.



- Custom skid design
- CAD drawings
- Stainless steel welding
- NDT & welding inspections (as required)
- Structural weld certification AWS D1.1
- Interconnected skid piping & valves
- Single point connections for piping & electrical
- Retrofit skids eliminate piping modifications
- Skid wiring per NEC
- Documentation packages available
- Seal pot stanchions
- Fork lift slots
- Lifting lugs or lifting eyes
- Grout & vent holes as needed
- Industrial coatings (as required)
- Control panel stanchion
- Seal pot stanchions
- Grout & vent holes as needed
- Uniguard® machine guards
- Gearbox mounting
- Gauge & accessory installation
- Motor adjusters



Fabricated bases



Dosing system skids

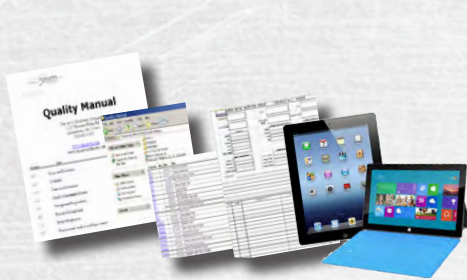


Custom application packages

Hudson Pump & Equipment Repair Center



Over the years, our service and repair business has grown to include mechanics, managers, supports staff, warehouse space, equipment, and capabilities making us better able to serve you in all your process equipment needs.



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Quality Manual
Skilled Technicians
OEM Parts Sourcing
Reliable Solutions



Each repair facility uses the same quality manual, forms, parts sourcing and procedures. All repair records, photos and history, are available through our electronic storage system. Arriving equipment undergoes a careful and thorough evaluation process, all measurement devices are strictly calibrated as part of our quality procedures. Special care is taken to prepare high quality quotations, documentation, finished products and deliveries. All new parts are inspected for quality prior to use on a repair. All materials located in our shops are identified and located in specific shop staging areas. Our repair facilities are clutter free and well organized. The staff is rigorously trained, and work conditions are safe and comfortable. **All good reasons to Trust a Tencarva Quality Repair!**

Tencarva Quality Program - Integrity You Can Trust!

CONTACT HUDSON PUMP & EQUIPMENT TODAY!

**To locate your nearest
repair center visit us at
www.hudsonpump.com**

Little Rock, AR | Springdale, AR | Jacksonville, FL | Lakeland, FL | Miami, FL | Cumming, GA | Macon, GA | Savannah, GA | Atlanta, GA | Jackson, MS | Charlotte, NC | Greensboro, NC | Greenville, NC | Wilmington, NC
| Columbia, SC | Greenville, SC | Charleston, SC | Chattanooga, TN | Johnson City, TN | Knoxville, TN | Memphis, TN | Nashville, TN | Chesapeake, VA | Salem, VA | Richmond, VA |

www.hudsonpump.com