

TENCARVA

MACHINERY COMPANY



REPAIR CENTERS
FIELD SERVICE
FABRICATION SERVICES



24/7/365
EMERGENCY NUMBER
(800) 685-1750



TENCARVA MACHINERY
SERVICE ORGANIZATION



Repair Network Map

FIELD SERVICE AND SHOP REPAIR

- ✓ System Suitability Review
- ✓ Pick and Delivery
- ✓ Cutting and Machining
- ✓ Balancing Services
- ✓ Boring and Milling Service
- ✓ Blasting and Resurfacing
- ✓ Video Scoping
- ✓ Laser Alignment
- ✓ Welding & Fabrication



Quick Response & Local Sites

The 14 repair service centers throughout the Southeast United States are generally no more than 2 hours away from most customers.

Repair Service Centers



Tencarva offers expert repair capabilities for many types of equipment.

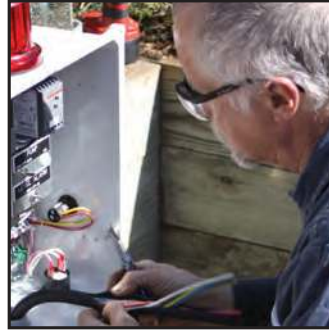
- Air operated double diaphragm pumps
- Centrifugal pumps
- Vertical turbine pumps
- Split case | double suction
- Mag drive pumps
- Metering pumps
- Vacuum pumps
- Blowers
- Boiler Feed Pumps
- API Pumps
- Liquid ring vacuum pumps
- Mixers
- Rotary vane pumps
- Submersible pumps
- Gear boxes
- Multistage split case pumps
- Most rotating equipment
- Condensate Pumps



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

*** Service technicians document repair data, repair photos, and testing videos in digital format which is retained for up to 10 years.

Field Service Fleet



Tencarva Quality Program Certified Technicians

Our service technicians will service equipment at your facility. Services include removal, installations, start up, electrical troubleshooting, and more.

Laser Alignment



Why Laser Alignment is Important . . .

When shafts or sheaves are misaligned, seals, couplings, and belts can become damaged.

Replacing the damaged parts solves the symptoms; however the root cause is often misalignment. Laser alignment is the best solution for correcting these issues.

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

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

Balancing Capabilities



Impeller Balancing

The Tencarva Repair Network is capable of balancing rotating elements 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 leads to material fatigue and often catastrophic failure. Tighter balancing tolerances reduce vibration levels, and add life to bearing and wear rings.

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

Why Tencarva should do your balancing . . .

Tencarva can balance any impeller, multiple stage assembly, blower rotor or fan to exact 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, and Powdercoating

The Benefits of Specialized Coatings . . .

Specialized coating, such as Belzona or Enecon, will extend the life of your rotating equipment.

Special coatings will provide protection in the following cases:

- Abrasive service
- Corrosive chemicals
- De-ionized water
- Cavitating impellers
- Wear inside casings
- Many more...



INPRO/SEAL ISOLATORS



The Benefits of Bearing Isolators . . .

Bearings consistently fail prematurely due to lubrication loss and contamination. INPRO/SEAL® Bearing Isolators provide permanent bearing protection on pumps and motors - increasing reliability and maximizing uptime.



Uniguard Machine Guard



The Benefits of Uniguard Machine Guards . . .

Uniguards are a tough, safe, and simple equipment machine guard that is easy to install, and will help your facility be OSHA compliant.



Standard and Custom designed corrosion resistant pump and machinery guard upgrades save time.

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 resources to rebuild mechanical seals and have your equipment operational for a lower 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



Tencarva Quality Program

Quality You Can Trust!



Available 24/7 at your service, Tencarva Service Facilities are equipped and ready to solve your toughest needs. Organized resources are just a phone call away. You will be up and running before you know it.



Quality Results
Fast Returns
OEM Parts Sourcing
Satisfaction Guaranteed



TENCARVA QUALITY REPAIR PROCESS

All facilities share the same quality manual, forms, parts sourcing and procedures. Repair records, photos and history, are kept electronically. Equipment undergoes a careful and thorough evaluation process. Measurement devices are strictly calibrated regularly as part of our quality procedures. Special care is taken to prepare detailed quotations, documentation, finished products and deliveries. New parts are inspected for quality prior to use on repairs. Staging areas are organized and well identified. Our repair facilities are clutter free and safe.



www.tencarva.com

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