



# RediPump<sup>LLC</sup>

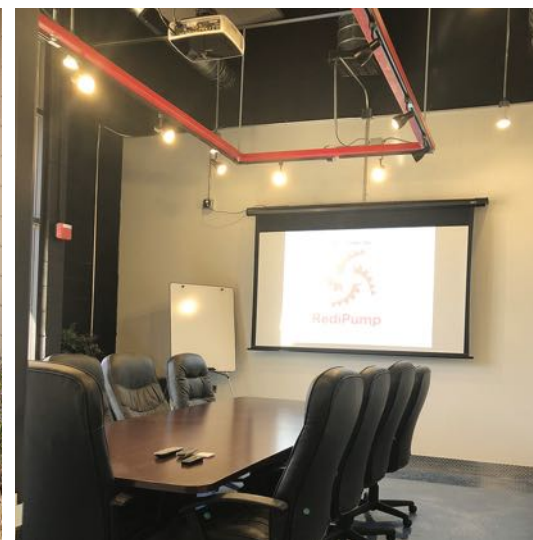
[www.redipump.com](http://www.redipump.com)

602.786.PUMP (7867)

1050 N. Fairway Drive, Suite D-101

Avondale, AZ 85323 USA

Fax: 602.786.8080



# A PUMP SHOP LIKE NO OTHER!

## FULL-SERVICE TURNKEY PROJECT CONTRACTORS

We are here to help get the job done from start to finish. We offer complete turnkey services start to finish, from removal, repair/rebuild, install, laser align, test and certify. You can rest assured that you will be fully satisfied with our complete turnkey service.



## THE IMPORTANCE OF LASER SHAFT ALIGNMENT

Laser shaft alignment is one of the many onsite services that RediPump offers. The objective of laser shaft alignment is to increase the operating life span of your pump. To achieve this goal, components that are most likely to fail must be made to operate within their acceptable design limits.

Correct shaft alignment ensures the smooth, efficient transmission of power from the motor to the pump. Incorrect alignment occurs when the centerlines of the motor and the pump shafts are not in line with each other. Misalignment produces excessive vibration, noise, coupling and bearing temperature increases, and premature bearing, coupling or shaft failure.



**Licensed, Bonded, Insured.**

## ***EXPERIENCE MATTERS***

The owners and staff of RediPump have a combined experience of over 100 years in our industry. We eat sleep and breathe pumps! It is in our DNA. There isn't much we haven't seen before and solved successfully. You can trust we will leverage our years of experience to successfully solve your pumping needs.



**Doing it right the first time! • Licensed, Bonded, Insured. ROC 330764**

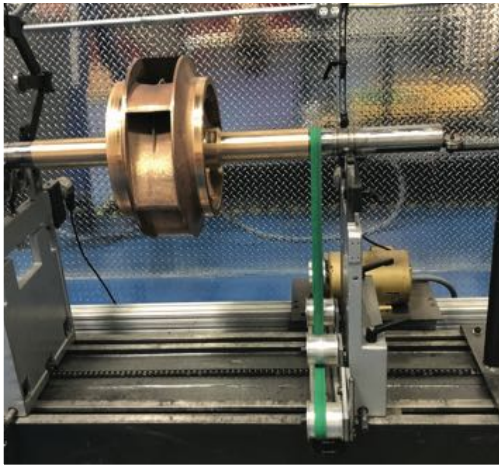



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## THE IMPORTANCE OF DYNAMIC BALANCING

Unbalance, according to DIN/ISO 1925, is "that condition which exists in a rotor when vibratory force or motion is imparted to its bearings as a result of centrifugal forces." An unbalanced rotor will cause vibration and stress in the rotor and its supporting structure. The bearings and support systems of a pump experience higher loading, and the mechanical seals can become damaged. Balancing the rotating element of a pump will help to minimize vibration, structural stresses, premature wear and power loss. If the pump is not properly balanced, its service life is significantly reduced, and it can prematurely fail. Unbalance of rotating components is the most common cause of equipment vibration, and dynamic balancing is required to increase the pump system's overall reliability. RediPump sets our standard balance tolerance of G 2.5 which is a higher tolerance grade than typical pump shops who use G 6.3. Every rotor we balance comes with a dynamic balancing test certificate. It is the RediPump way!





### DYNAMIC BALANCING TEST CERTIFICATE

BalanceMaster EasyBalance 2.2, Date: 2020-11-10, Time: 11:56  
Machine name: Schenck H30

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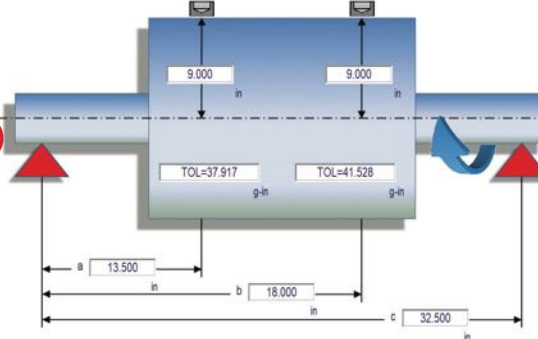
TEST AS FOUND BALANCE

No Key compensation

No Tooling Compensation

**Balancing Quality Standard:**  
ISO G2.5  
Rotor mass Left:  
214.000 lb

Service speed:  
1190 RPM  
Rotor mass Right:  
0.000 lb



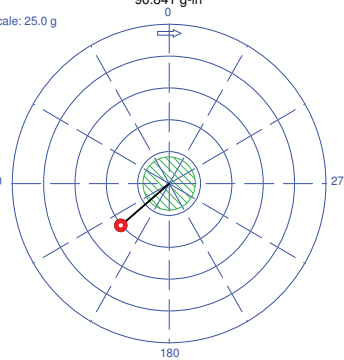
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**CURRENT RESULT:**  
505 RPM  
Correction mass:  
Unbalance:

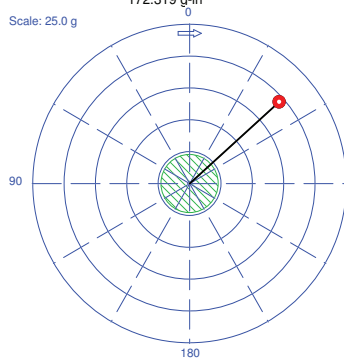
**Reject (2.40 x Tol)**  
Left  
- 10.093 g at 130°  
90.841 g-in

**Reject (4.15 x Tol)**  
Right  
- 19.147 g at 312°  
172.319 g-in

Scale: 25.0 g



Scale: 25.0 g



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Operator (Paul)

Verified By

Approved By

Test Certificate

Software version: 10.10.0.83 STANDARD

# Doing it right the first time!



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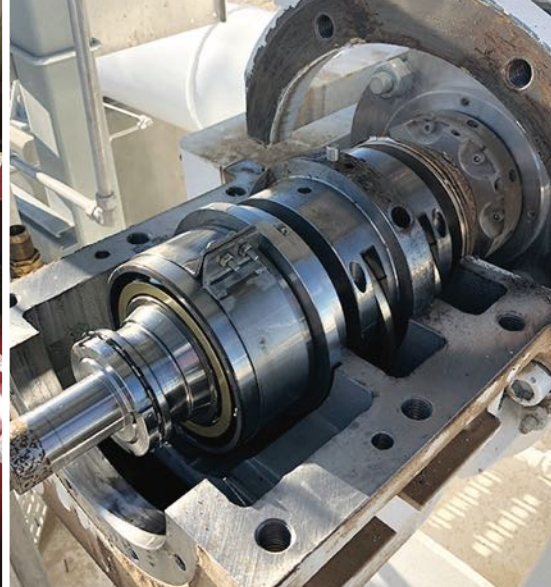
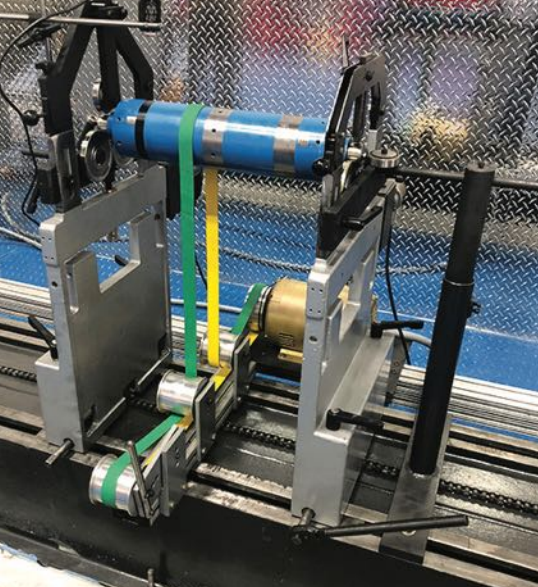


## ***IN HOUSE MACHINE SHOP CAPABILITIES***

Many of RediPump's projects require a multi-disciplinary, turnkey approach that few shops can accommodate. Our staff work together seamlessly to ensure our customers can hire a single company to handle every aspect of their pump project. We have the capability to modify and machine existing parts, reverse engineer & fabricate new parts, weld, sandblast, and paint the completed project. From start to finish, you can trust RediPump to get the job done right the first time!



**ROC 330764**



*We thoroughly inspect your pumps before recommending repairs*

**PUMP INSPECTIONS**

Trust our experience to determine what is required to get your pump back in service. Our inspection includes disassembly, cleaning, and tolerance verification to ensure parts are within OEM specification.

*We fulfill every OEM requirement when performing maintenance on your pumps*

**PUMP MAINTENANCE**

Preventative maintenance increases the lifespan of your equipment and reduces unexpected breakdowns. Call us to work on a preventative maintenance plan for all your pumping needs.

*We rebuild and recondition every component of your pumps to maximize post-rebuild reliability*

**PUMP REBUILD**

We repair and rebuild your pumps to factory specifications (or better) and back it up with our 1 year limited warranty.



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