

An American Company



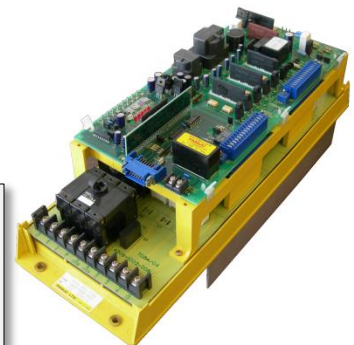
Built on Quality, Integrity, and Honesty.

**NORTHLINE**  
INDUSTRIAL

## Industrial Electronic Repair

Certified Refurbished Equipment Sales

Field Service – Programming – Electrical – Mechanical – PM's



# FREE

Evaluation performed by a  
Qualified Technician on Every  
Repair!

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

313-537-9798

**NORTHLINE**  
INDUSTRIAL

## Service



We work every day with distributors, rebuilders, maintenance and purchasing professionals across all industries to help them find solutions for their equipment repair and replacement needs.

Give us a call....we'll evaluate your specific needs on a case-by-case basis and tell you how we can help.

## Quality, Cost & Delivery

From the start of an order, all-the-way-through to shipping, our unique system ensures that accurate information is captured, required processing steps are taken, and that each order goes through the entire system in a controlled and consistent manner.

Northline inspects/evaluates each and every item in-depth and then researches the required parts...at no charge to you...**before we quote**. This permits us the best opportunity to quote you the best price and an accurate lead-time.

We store historical data and documentation on every order and of course every repair is returned with a comprehensive Service Report that outlines:

- ✓ The received condition of the unit
- ✓ What we found wrong with the unit
- ✓ What we did to fix the unit
- ✓ The parts we replaced
- ✓ The probable cause of failure

# FREE

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performed by  
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Technician on  
Every Repair!**

## Industries Served

Aerospace, Automotive, Energy, Food & Beverage, Furniture, Government, Mining, Oil & Gas, Plastics, Steel Mills, Textiles, Tire, Waste Water and more!



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INDUSTRIAL

# Industrial Electronic Repairs

**POWER SUPPLIES**

**TEMP CONTROLS**

**DRIVES**

**INVERTERS**

**TIMERS**

**SOFT STARTS**

**ENCODERS**

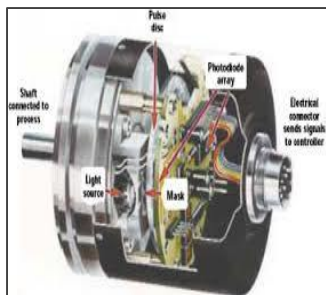
**HMI'S**

**RESOLVERS**

**BOARDS**

**PLC'S**

**SCANNERS/ LIGHT CURTAINS**



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# Robotic Repair (Dynamic Test Systems)

**Fanuc**



RJ2



RJ3



RJ3iB



R301A



R301B



**ABB**



S3



S4



S4C+



IRC5



**Nachi**



AR52



AW11



AX10



AX-C



**Motoman**



MRC



XRC



NX







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# CNC Machining Dynamic & Functional Test Systems

## Fanuc



## Indramat



## Mitsubishi

## Siemens 611

## Allen Bradley



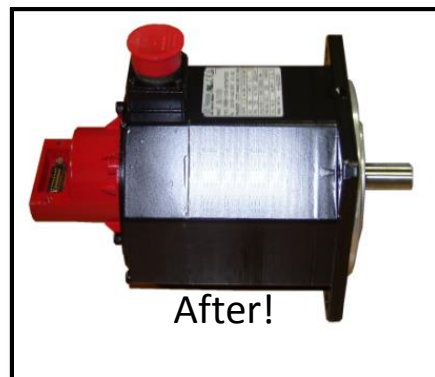
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## Servo / Spindle Motor Repairs

Bearings and seals replaced every time. All parts are individually cleaned and inspected. All feedback devices are tested. Stators, armatures & coils are baked, and if necessary, rewound and/or reinsulated. Any part of the motor that is damaged or out-of-tolerance is repaired or replaced. Every motor is tested to ensure that it performs to spec before we ship it.



Before...



After!

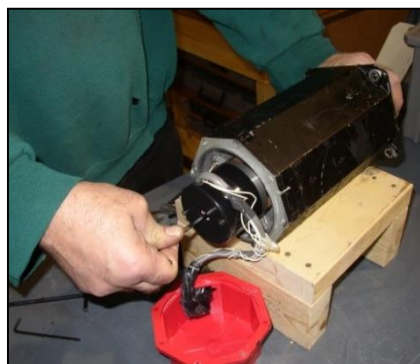
### Some of the brands we service:

**ABB  
AEG  
ALLEN BRADLEY  
BALDOR  
ELECTRORAFT  
FANUC  
GE FANUC**

**GIDDINGS & LEWIS  
GOULD  
INDRAMAT  
INLAND  
KOLLMORGEN  
LENZE  
MODICON**

**MOOG  
MTS  
RELIANCE  
REXROTH  
SEW EURODRIVE  
SIEMENS  
YASKAWA**

If you don't see your motor in the list please call... the list is not all-inclusive of our expanding repair capabilities.



All motor evaluations are 100% free. Quotes are accompanied by a failure analysis as well as the scope of work needed to bring your unit back to the OEM specifications.





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## Robot Services Division

- Full Robot Repair
- Preventative Maintenance  
On-Site or Off-Site
- Robot Wrists
- Complete Robot  
Refurbishment
- Robot Sales

### Factory Trained



**Allen-Bradley**

**FANUC**  
ROBOTICS

**SIEMENS**

### Service Areas:

- Field Service
- Programming Support
- Electrical Support
- Mechanical Support



**ABB**



**Fanuc**



**Nachi**



**Motoman**



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## Industrial Welder Repair

- MIG Welders
- TIG Welders
- Stick Welders
- Electrically driven Welders
- Plasma Cutters
- Weld Control
- Wire Feeders

**MEDAR**  
A Division of WTC

**HOBART**



## OEM Authorizations





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## Manufacturers Supported

ATC  
3M Touch Systems  
ABB  
AC Tech  
ACDC  
Acme  
Acopian  
Adtech  
Allen Bradley  
Ambi-Tech  
Anilam  
APC  
Astec  
Athena  
Autotech  
Aydin Controls  
B&K Precision  
Baldor  
Balluff  
Banner  
Barber Colman  
BEI  
Benshaw  
Bodine  
Boston Gear  
Cincinnati Milacron  
Cleveland Machine  
CMG  
Condor  
Contraves  
Control Techniques  
Cutler Hammer  
Danfoss  
Dart  
Delta Drive  
Deltron  
DME  
Dolan-Jenner  
Durant  
Dyna Power  
Dynamatic  
Dynamic Display  
Dynamics Research  
Dynapar

Dynapro  
Eagle Signal  
Eaton  
ECCI  
Eclipse-Dungs  
Electrocraft  
Electrohome LTD  
ELO  
Emerson  
Encoder Products  
Euchner  
Eurotherm  
Fanuc  
Fenwal  
Fincor  
Fluke  
Fuji Electric  
Gammaflux  
GE Fanuc  
Gemco  
General Electric  
Gettys  
Glentek  
Gould  
Graco  
Graseby Volkmann  
Halmar  
Harowe  
HDR Power Systems  
Heidenhain  
Hengstler  
Hewlett Packard  
Hitachi  
Hohner  
Honeywell  
Horner Electric  
IDM Controls, Inc.  
IDT  
Incoe  
Indramat  
Industrial Devices  
Inland  
International Power  
ISSC

JDK Controls  
KB Electronics  
Keb  
Kollmorgen  
Kristel  
Lambda  
Leeson  
Lenze  
LFE  
LH Research  
Litton  
Louis Allis  
Love Controls  
Love Joy  
Magnetek  
Makino  
Maple Systems  
Micron  
Minarik  
Mitsubishi  
Modicon  
Moog  
Motoman  
Motortronics  
Nachi  
Nematron  
Newport  
Okuma  
Omega  
Omron  
Ono Sokki  
Pacific Scientific  
Panasonic  
Parker  
Partlow  
PMI  
Power Mate  
Power One  
Powertec  
Powertec  
Quartech  
Ram Meter  
Red Lion  
Reliance  
RKC

Safetronics  
Sanyo  
Sanyo Denki  
SBC Motovariatori  
Seco  
Selti Elettronica  
SEW-Eurodrive  
Sick  
Siemens  
Slautterback  
Sola  
Sony  
Sorenson  
Spang  
Square D  
Standard Power  
Stegmann  
Sterlco  
STI  
Struthers Dunn  
Sumtak  
Superior Electric  
TB Woods  
TCP  
Telemecanique  
Texas Instruments  
Toshiba  
Triad  
Trump Ross  
Unico  
Universal Voltronics  
Uticor  
Vacon  
Vee Arc  
Veeder Root  
Warner Swasey  
Watlow  
WER  
West  
Westamp  
Westinghouse  
WYSE  
Xycom  
Yaskawa  
Yokogawa

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## Surplus Equipment Sales

ABB  
Allen Bradley  
Cutler Hammer  
Eaton  
Fanuc  
General Electric  
Indramat  
Modicon  
Miller  
Reliance  
Sick Optic  
Siemens  
Sola  
Square D  
Yaskawa



**Guarantee**  
All Quotes within 60  
Minutes or Less!



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