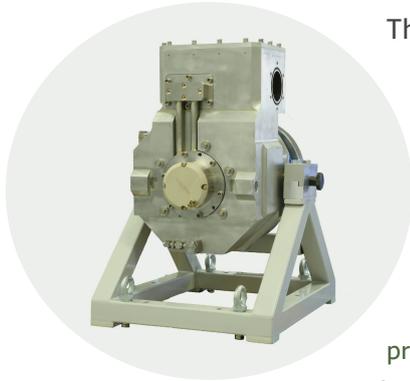


# APPLIED MATERIALS® SPINDLE MOTOR ASSEMBLY



The **AMAT®** spindle motor assembly is a combined high precision electrical motor with a rotary vacuum ferromagnetic fluid seal. Available for AMAT® multi-wafers ion implanters : **9500®** and **XR®** series, **QUANTUM®**, motor spindle assemblies are used to allow high vacuum under high rotating speed (1200 rpm) of wheels.

As the leading service supplier for rotary feedthroughs and motor spindle assemblies used for high vacuum environments, Global Technologies is providing a unique and complete service level of repair for all AMAT® spindle motor assemblies.

Motor/resolver (high resolution encoder) and spindle (ferromagnetic fluid technology) assemblies can be repaired separately.

The service on motor/resolver assembly includes rewinding, if required, and the upgrade of the motor cooling system to reduce corrosion impact. The repair process of spindle includes precise dimensional controls and replacement of out of tolerance critical parts.

To manage minimum production downtime, Global Technologies proposes exchange options with fully renewed systems under short notice.

## AMAT® PRODUCT REFERENCE

PN : 9010 - 00272
PN : 9010 - 01143
PN : 9011 - 00054
PN : 9240 - 00879
PN : 9240 - 03211

## AMAT® spindle motor assemblies are fully inspected, repaired and tested to OEM specifications

### I ncoming Inspection

- Vacuum test
- Motor electrical test
- Resolver test
- Connectors and cables test
- Mechanical test
- Water circuit cooling system
- Spin test
- Inspection report

### R epair Process

- Disassembly
- Decontamination
- Cleaning
- Replacement of parts damaged or out of specification  
*(100% multistep control)*
- Refurbishment of Motor & Resolver\*
- Refurbishment of Ferrofluidic Feedthru \*
- (\*) replacement by new in option*

### F inal Control

- Vacuum test
- Planarity check
- Electrical test (static & dynamic)
- Spin test with positioning control
- Vibration control
- Water circuit cooling test
- External cleaning
- Maintenance Report
- Packaging in specific box on transport skid

### Contact us :

[contact@global-technologies.fr](mailto:contact@global-technologies.fr)  
+ 33 (0)442 538 240  
496, avenue Francis Perrin - ZI Parc Club - 13790 Rousset - FRANCE  
[www.global-technologies.fr](http://www.global-technologies.fr)