

SPINTEK GULF CO LLC

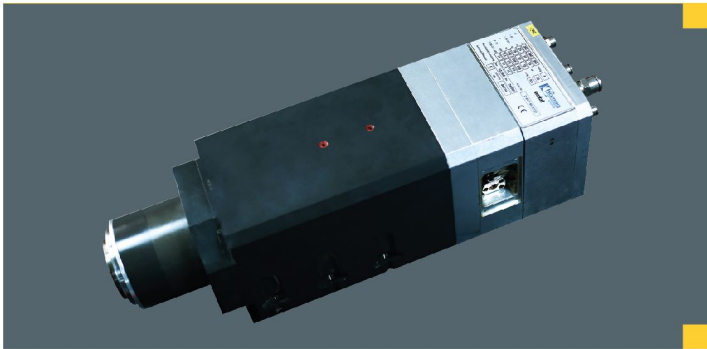
Your spindle rebuild partner

Spintek Middle East Fze” has extensive experience in rebuilding various makes and models of high end spindles like Reckerth, GMN, DMG, Mori, Seiki, Okuma Enshu, Fuji, MAG, Comau, Kessler, Weiss, Mazak , Gamfior, Omlat , Zimmer , HSD Hiteco , Emmegi etc..

"SPINTEK" One stop Solution for Spindles

When Recital needs to be phrased in "Committing solution" SPINTEK is the right place to be the idiom true. Here at SPINTEK we believe in excellence

Since its inception our products are recognized for precision, durability and quality. Rebuild and Spindle Retrofit services with the best solution providing capabilities SPINTEK becomes a world leader in the design, manufacture and services of high-performance precision spindles and milling heads.



Spintek Service Center ensures any spindle repair work or routine servicing is to be carried out quickly and efficiently to minimize the inconvenience of machine down time rebuild to their original operating specification we guarantee the use of 100% genuine parts to OEM specification.

SPINTEK – Spindle Repair Facilities are Equipped with

- Temperature controlled spindle assembly room
- Temperature controlled spindle testing room with drive to check
- Synchronous / Asynchronous motor at full RPM
- Gauges , mandrels , and encoder checker to check various aspects of required spindles
- Experienced and skilled human asset
- Stocking program of bearing , disk spring , seals , lock nuts.

Services Rendered – Three Modules

REPAIR | REBUILD | REPLACE

At SPINTEK , we provide the best solution in terms of diagnosis, cost benefits analysis , time required as per the case. To make our customers arrived at the right decisions with least amount of loss. The three step module work. SPINTEK offers 6 months warranty on their reconditioned spindles

Repair

Most of the spindles can be reconditioned by standard repair process which involves by default process like :

- Dismantling
- Precision cleaning of components
- Inspection of components
- Tapper regrinding and other minor rectifications
- Assembly with bearings , disc , springs and seals
- Testing to full RPM and dynamic balancing
- Dispatch

Replace

Bearings, disc springs, seals are to be replaced as standard practice

- Shaft
- Spacers
- Locknuts

Rebuild

There are few spindles which has to be reconditioned by rebuilding some components. We have to carry out this procedure along with standard repair process as mentioned above. Grafting of sleeve in case of damaged spindles taper bore hard chrome plating of spindle tapper , worn out shaft diameter , housing bore stator rewinding in case stator is burnt Ceramic coating on shaft diameter.

In few cases , spindles reconditioning involves replacement of parts. SPINTEK possesses engineering knowledge to design and manufacture parts which cannot be rebuilt.



WHY CHOOSE SPINTEK ?

- Spintek Has been consistently delivering quality over the years
- We have appropriately priced our repair service
- We deliver spindle repairs quicker
- We achieve OEM specification
- We offer solutions which save spindle reconditioning cost without compromising on Quality.
- We are having global support of SPINTEK experienced technical crew to support before repair, In process and post repairs of spindles reconditioning.

TESTING

After rebuilding over few thousands spindles we have reached to conclusions that success of repairs live in proper testing. SPINTEK ensures in depth static and dynamic testing of any spindle that under goes repair.

We check following parameters depending on the type of spindles.

- Spindle bore run out
- Mandrel run out at specified distance from spindle face
- Clamping force
- Encoder functioning
- Winding balance between three phases
- Temperature stabilization by trial run
- Vibration testing and dynamic balancing of spindles using true – balancer

SPINDLES WE REPAIR :

Milling Spindles

Milling spindles, as the main spindle of tool machines, are responsible for machine cutting a workpiece.

Various tool interfaces are used to accommodate the milling tool, such as, for example, HSK (hollow shaft taper)

Turning Spindles

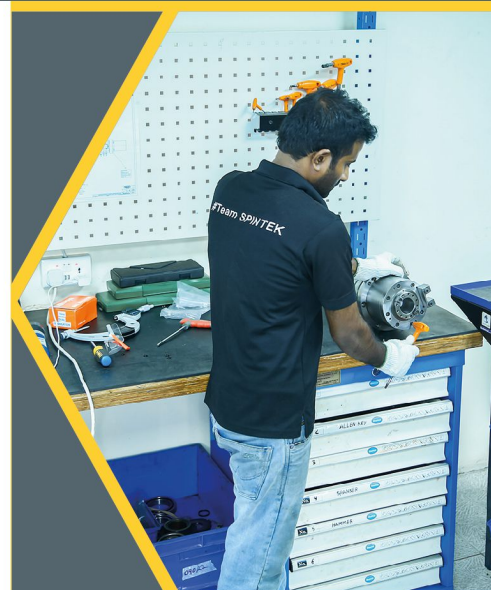
Turning spindles are used for machine-cutting of workpieces. They can also be referred to as workpiece spindles, as the workpiece is clamped via the chuck of the lathe spindle. The rotating workpiece is machined by the tool attached to the driven machine axis.

Grinding Spindles

A grinding spindle is one of the items that are often concerned about. As one of the important components of modern machine tools, there are many types of spindles, which can be divided into belt driven, gear driven, motor built-in, and direct driven, etc. according to the spindle driven mechanism.

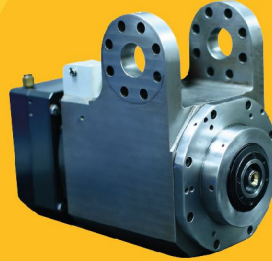
Boring Spindles

Boring spindles are high-precision machining units of a boring machine that are specifically used for machining bores, such as blind holes, through holes or also threaded holes in metal, plastic or even wood.



OUR PRODUCTS :

- EDM / WEDM Machines
- Metal Cutting Machine
- Digital height Gauges
- Measuring machines
- Digital read out systems
- CNC
- Processing machines
- Customized automation
- Tools clamping system and accessories
- Spindles
- Panel coolers and spindle chilling unit



OUR SERVICES :

- Drive motor rebuild / repair
- Drawbar Repair
- Gearbox Repair
- Spindle Bearing / Failure repair.
- Precision Balancing / Precision component balancing
- Spindle taper repair service
- Servomotor rebuild / repair
- Dynamic balancing of rotating parts.
- Insite servicing / balancing / Spindle health checkup
- Vibration analysis & condition monitoring.
- Shaft replacement.
- Mechanical repair & rebuild.
- Testing of spindle parameters, like-run out, temperature, vibration tool seating, draw bar actuation etc.,.
- Complete testing with drives in closed loop
- Packing & Delivery.

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